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July 17, 2017

Mr. Joseph Kelly
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 2017 Progress Report – MID 005-049-440

Dear Mr. Kelly:

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 2017 Progress Report. This report describes activities related to the Consent Order completed by TPC during the second quarter 2017 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.
- The United States Environmental Protection Agency (USEPA) Project Manager is Joseph Kelly.

VI. Remedial Investigation Report and Environmental Indicators Reports

- **Environmental Indicators Report: Current Human Exposures Under Control –** TRC submitted the 2011 Current Human Exposures Under Control Environmental Indicator Report (2011 EI Report) to USEPA on September 29, 2011. USEPA provided TPC with comments regarding the 2011 EI Report on December 5, 2011. TPC responded to USEPA comments on December 19, 2011. On December 28, 2011, USEPA proposed an extension for USEPA to complete the CA-725 Form until December 12, 2012, so that confirmation indoor air/crawlspace sampling data from the residential properties east of the Site could be evaluated by USEPA. This work was completed as intended during the fourth quarter 2012. However, during the October 29-30, 2012 project meeting, USEPA requested additional

verification sampling to support the conceptual site model (CSM). TPC set forth the agreed upon additional work in a Technical Memorandum dated December 5, 2012 and Revised December 19, 2012. On March 6, 2013, USEPA extended the date for the Current Human Exposures Demonstration to September 30, 2013 to allow TPC to complete that work. Consistent with this extension, the Supplement to the Current Human Exposures Under Control Environmental Indicator Report (2013 Supplemental EI Report) was submitted to USEPA on September 30, 2013. USEPA provided comments on the 2013 Supplemental EI Report on January 31, 2014. During the May 2014 project meeting with USEPA, TPC agreed to attempt (contingent on owner agreement) to further verify the current human exposures determination as it pertains to the potential for vapor intrusion. USEPA provided additional comments on the human health risk assessment during the December 8, 2015 project meeting in Chicago and the subsequent conference call on December 14, 2015. As an outcome of those meetings, a risk assessment, inclusive of all data collected to date, was included in the Resource Conservation and Recovery Act (RCRA) Corrective Measures Proposal, dated January 2016 (CMP). The USEPA provided comments to the CMP in a letter dated July 28, 2016 (CMP Comments). In response to the CMP Comments, a formal risk assessment was prepared to address certain comments. A draft Human Health and Ecological Risk Assessment (Risk Assessment) was submitted to USEPA for review on September 27, 2016. USEPA provided comments on the draft Risk Assessment document on November 18, 2016. The final Risk Assessment document was revised to address those comments as discussed on November 30, 2016 and documented via email on December 5, 2016. The final Risk Assessment, which addresses both potential current and future human exposures, was submitted to USEPA on February 8, 2017.

- **Environmental Indicators Report: Groundwater Stabilized –** TRC submitted the September 2012 Remedial Investigation and Groundwater Environmental Indicator Report (2012 RI/EI Report) to USEPA on September 28, 2012. During the October 29-30, 2012 project meeting, USEPA provided comments regarding groundwater stability and remedial investigation activities. TPC prepared the Supplemental Groundwater Investigation Workplan to address those comments, and on March 6, 2013, USEPA extended the date for the Remedial Investigation and Groundwater Environmental Indicator Determination to July 31, 2015. This extension allowed TPC to complete eight quarterly sample events at monitoring locations which were installed in March 2013. On July 31, 2015 the Supplement to Remedial Investigation and Environmental Indicator Report was submitted to USEPA, which included an assessment of groundwater stability at existing monitoring locations, including those installed in 2012. The January 2014 USEPA comment letter regarding the 2013 Supplemental EI Report extended beyond the scope of current human exposures to provide additional comments on the remedial investigation and on groundwater stability. In 2014, additional on-site and perimeter investigation activities were completed, and the Revised MIP Investigation Report and Workplan for High Resolution Site Characterization (HRSC Workplan) was prepared to address concerns raised in that comment letter and the subsequent May 2014

project meeting regarding the extent and stability of affected groundwater. Field activities described in the HRSC Workplan were completed between April 2015 and June 2015. Preliminary data were reported to USEPA as they became available. The findings of that data evaluation are documented in the 2015 High Resolution Site Characterization Report and Updated Conceptual Site Model (2015 CSM Report). USEPA provided comments on the CMP in July 2016. The Revised CMP, which was submitted to USEPA on March 6, 2017, addresses those comments. The Revised CMP includes a recommendation for active on-site groundwater treatment to reduce contaminant mass, monitored natural attenuation (MNA) off-site, and a proposed groundwater monitoring program to evaluate the stability/reduction of contaminants throughout the plume.

- **Remedial Investigation Report –** TRC submitted the Remedial Investigation Report with the 2012 RI/EI Report to USEPA on September 28, 2012. As described above, USEPA extended the date for the Remedial Investigation and Groundwater Environmental Indicator Determination to July 31, 2015. In 2014, USEPA requested that additional remedial investigation activities be completed for purposes of HRSC. Field activities described in the HRSC Workplan were completed between April 2015 and June 2015. Preliminary data were reported to USEPA as they became available. On July 31, 2015 the Supplement to Remedial Investigation and Environmental Indicator Report was submitted to USEPA which included tabulated soil and groundwater data, soil boring logs and laboratory reports from the HRSC Investigation. A comprehensive evaluation of HRSC data, including 3-dimentional visualization, is documented in the 2015 CSM Report. USEPA provided additional comments on the remedial investigation activities during the December 8, 2015 project meeting and the December 14, 2015 conference call regarding the risk assessment. Considerate of those comments, workplans for supplemental soil and groundwater investigation activities were included in the CMP. As described in those workplans, supplemental groundwater profile sampling, soil investigation activities and groundwater-surface water interface (GSI) area investigation activities were completed during the second quarter 2016. Data from those investigation activities were provided to USEPA as they became available. During the third quarter 2016, utility mapping and video logging of on-site sewers was completed to address one of the CMP Comments. A technical memorandum which summarized those investigation activities and included all of the associated video files was provided to USEPA on October 31, 2016. The Revised CMP, which was submitted to USEPA on March 6, 2017, was updated to incorporate these additional data collected in 2016.

VI. Final Corrective Measures Proposal

1. A description of activities related to the completion of the Final Corrective Measures Proposal:

The CMP was submitted to USEPA on February 1, 2016. The USEPA provided comments to the CMP in a letter dated July 28, 2016. On August 29, 2016, TRC, on behalf of TPC, requested an extension of 120 days to fully address the CMP Comments. This extension request included a

response to a number of the CMP Comments and a schedule of interim draft submittals to more completely address the remaining comments. On October 6, 2016, the Revised CMP submittal date was extended to December 27, 2016 by USEPA. In the interim, USEPA and TPC engaged in weekly calls to foster a collaborative revision process. During this period, draft documents and supporting documentation were provided to USEPA in accordance with the schedule outlined with that extension request. As a consequence of ongoing dialogue, and the associated time needed for agency review, the originally proposed schedule was adjusted. TPC requested an additional 60-day extension on December 22, 2016. On the same day, USEPA issued a letter extending the Revised CMP submittal date to February 27, 2017. In the interim, regular communication continued between USEPA and TPC to support continued collaboration and preparation of the Revised CMP. In late February, Jason Smith of TPC was diagnosed with influenza. His illness disallowed his continued review of the Revised CMP; as such, on February 27, 2017, the Revised CMP submittal date was extended an additional week to allow Mr. Jason Smith to complete his review. The Revised CMP was submitted on March 6, 2017.

2. A Summary of Activities during the Reporting Period

- April-June 2017 – Building demolition continued in the Phase III demolition area.
- April 2017 – The second quarter 2017 soil gas sample event was completed. A technical memorandum summarizing the second quarter 2017 soil gas sampling activities and analytical data is provided as Appendix A.
- May 2017 – The second quarter 2017 groundwater and surface water sample event was conducted. A summary and evaluation of field activities and sample data are provided in Appendix B.
- May 2017 – Operation and maintenance of the P-Building SVE system was completed, including collection of exhaust samples for VOCs analysis, to help determine the appropriate timeline for carbon change out.
- May 2017 – Operation and maintenance of the perimeter soil vapor extraction (SVE) system was completed, including collection of exhaust samples for volatile organic compounds (VOCs) analysis, to help determine the appropriate timeline for carbon change out.
- May 2017 – Vacuum pressure and methane concentrations were measured at all permeable reactive barrier (PRB) vent locations and downgradient soil gas sampling points SG-02 and SG-03R. (Results are tabulated in Appendix C.)
- May 2017 – A sub-slab depressurization/ventilation (SSDV) system inspection was completed at 704 Mohawk.
- May 2017 – Draft Vapor Intrusion Decision Matrix charts were submitted to USEPA for review and comment.

- June 2017 – Brownfield funds were approved for Site redevelopment by the current owner. TPC communicated with USEPA about possible interim corrective measures to be completed in conjunction with site redevelopment, e.g. installation of additional SVE piping following slab removal but before placement of a replacement ground cover.
- June 2017 – MDEQ issued a Mixing Zone Implementation letter.

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

- TRC communicated with an off-site property owner to coordinate groundwater sampling activities.
- TRC communicated with an off-site property owner to coordinate SSDV system inspection.
- TPC and TRC communicated with the City of Tecumseh and 100 E. Patterson, LLC regarding the status of the ongoing potential demolition, due care obligations, and redevelopment options for the Site.
- TRC communicated with the City of Tecumseh Fire Department regarding fire watch activities to help ensure safe access to the building, as required by the City of Tecumseh.
- TPC communicated with the owner of a non-residential property southeast of the Site to coordinate soil gas sampling and report first quarter sampling results.
- TPC communicated with the owner of parcel number 305-2030-00 to coordinate sampling at monitoring points MW-43s and SG-26.
- TRC communicated with 100 E. Patterson, LLC to coordinate site access for routine investigation activities.
- TPC provided 100 E. Patterson, LLC with copies of reports/submittals related to on-site environmental work.
- TPC communicated with a community member interested in purchasing a nearby house regarding potential environmental concerns.

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

- None.

5. Action Taken to Rectify Problems Identified Above

- Not Applicable.

6. Changes in Personnel During Reporting Period

- No TPC/TRC project personnel have changed.

7. Projected Work for the Next Reporting Period

- Continue routine perimeter SVE system operation and maintenance, including completion of carbon change out as needed;
- Continue routine P-Building SVE system operation and maintenance, including completion of carbon change out as needed;
- Collect gas composition readings at vents installed along the length of the PRB;
- Meet with representatives of 100 E. Patterson, LLC to ensure ongoing coordination and cooperation between site redevelopment and environmental work;
- Begin preliminary design of interim corrective measures to be completed in conjunction with site redevelopment, particularly slab removal and site grading;
- Prepare and submit a GSI Compliance Monitoring Plan; and
- Support USEPA and MDEQ review of the Revised CMP.

VI. Final Corrective Measures Implementation

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

VI. Public Repository of Information

TPC established a public repository in the City Clerk's office at City Hall in August 2010. To address USEPA comments, the public repository was relocated to the Tecumseh District Library in November 2011. A notice sheet has been posted on the bulletin board at the Tecumseh District Library which lists and briefly describes the documents included in the public repository. TPC updates the public repository as appropriate.

VII. Access

No new access agreements were obtained during the second quarter 2017.

VIII. Cost Estimates and Assurances of Financial Responsibility

In accordance with the Consent Order, TPC submitted an annually updated cost estimate on with the Revised CMP on March 6, 2017. The cost estimate was $5,441,650. On March 20, 2017, the value of the existing letter of credit was amended to increase its value by $1,758,450 to $5,441,650. As required under the AOC, if anticipated project costs change, a revised cost estimate will be submitted to USEPA, and financial assurance documents will be updated accordingly.

If you have any questions regarding this progress report, or the attachments, please contact me at (734) 585-7813, or gcrockford@trcsolutions.com.

Sincerely,

TRC Environmental Corporation

Graham Crockford, C.P.G.
Project Manager

Attachments:

Appendix A: Summary of the Second Quarter 2017 Soil Gas Sample Event
Appendix B: Summary of the Second Quarter 2017 Groundwater Monitoring Event
Appendix C: Gas Composition at Methane Vent Locations Table – Second Quarter 2017

cc: Susan Perdomo, USEPA
Michael Beedle, USEPA
Bhooma Sundar, USEPA
Pete Quakenbush, MDEQ
Dale Bridgford, MDEQ
Joe Victory, MDEQ
Jason Smith, Tecumseh Products Company
Douglas McClure, Conlin, McKenney & Philbrick, PC
Stacy Metz, TRC Environmental Corporation
Jason Miller, 100 E. Patterson, LLC
Tecumseh District Library – Public Repository
Mary Speer, Resident

Appendix A
Summary of the Second Quarter 2017
Soil Gas Sample Event

Technical Memorandum

To:	Jason Smith, Tecumseh Products Company
From:	Stacy Metz and Mellisa Powers, TRC
Subject:	Summary of the Second Quarter 2017 Soil Gas Sample Event – RCRA 3008(h) Consent Order (RCRA-05-2010-0012) – Tecumseh Products Company
Date:	July 13, 2017
cc:	Graham Crockford, TRC Joseph Kelly, USEPA Bhooma Sundar, USEPA Chris DeWetter, Tecumseh Products Company Douglas McClure, Conlin, McKenney and Philbrick, PC
Project No.:	004308.0001

Tecumseh Products Company (TPC) retained TRC Environmental Corporation (TRC) to investigate the potential for off-site vapor intrusion near 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 26 soil gas monitoring points (SG-XX locations) and one vacuum monitoring point (TVP-02s) which also serves as a soil gas sample collection point. Quarterly soil gas monitoring was initiated in April 2010. Routine sampling activities are conducted in general 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 Sampling Plan described in the April 11, 2016 Technical Memorandum titled *Summary of the Third Quarter 2015 and Fourth Quarter 2015 Soil Gas Sample Events*. The locations of soil gas monitoring points are illustrated on Figure 1. The sampling plan was developed to evaluate the volatilization to indoor air migration pathway and support the associated risk assessment/management.

Summary of Field Activities

TRC completed the second quarter 2017 soil gas sample event on April 13, 2017. Details of this soil gas sample event are summarized below:

- In accordance with the updated sampling plan outlined in Table 15 of the Revised Corrective Measures Proposal, soil gas samples were collected during the second quarter 2017 sampling event at the following locations: SG-01, SG-06, SG-07, SG-09, SG-10, SG-11, SG-22, SG-25, and SG-26. Additionally, a sample was collected at SG-08 in order to further evaluate elevated trichloroethene (TCE) concentrations which were observed during the third and fourth quarters 2016.
- All soil gas samples were analyzed by H&P Mobile Geochemistry in Carlsbad, California (H&P) using USEPA Method TO-15 for the project specific list of chlorinated volatile organic compounds (CVOCs).

Summary of Soil Gas Data

Soil gas data are summarized and compared to Michigan Department of Environmental Quality (MDEQ) soil gas screening levels for vapor intrusion (SGSLs) in Table 1, and soil gas sample locations are shown on Figure 1. The laboratory analytical reports are provided in Attachment 1. Soil gas data are consistent with historical data. Soil gas sample data from the second quarter 2017 sampling event are summarized briefly below.

- Soil gas concentrations immediately northeast of P-Building, in the vicinity of the P-Building soil vapor extraction (SVE) system (SG-06) were below all applicable SGSLs.
- Concentrations were above residential SGSLs, but below non-residential SGSLs north of the main building, beyond the influence of the P-Building SVE system (SG-07).
- TCE concentrations in residential areas north and northeast of the site remained below the most restrictive SGSLs at all locations (SG-10, SG-11, and SG-26).
- At recently installed soil gas sampling point SG-26, concentrations of cis-1,2-dichloroethene, and all other constituents of concern, were below the residential sub-slab SGSL for the second consecutive quarter.
- TCE concentrations at soil gas sample point SG-09, located in a residential area east of the site, remain above SGSLs. An active sub-slab depressurization/ventilation system continues to operate at the adjacent house.
- Concentrations at soil gas sample point SG-08 were once again below all applicable SGSLs during the second quarter 2017 sampling event. TCE concentrations above the most restrictive residential SGSL were observed at this location during the third and fourth quarters of 2016.[1] These exceedences also triggered an additional indoor air sampling event in November 2016 which confirmed acceptable indoor air concentrations, consistent with previously completed indoor air sampling events (2011-2012).
- The concentration of TCE at soil gas sample point SG-22 remains above the deep non-residential SGSL at concentrations comparable to those observed in the past. These screening level

[1] A sample was collected during the First Quarter 2017 sampling event. However, results were rejected due to elevated tracer concentrations.

exceedances prompted a building specific evaluation, including sub-slab soil gas sampling, indoor air sampling, and calculation of a building specific attenuation factor. That evaluation was documented and submitted to the USEPA in a letter report titled "Fourth Quarter Soil Gas and Indoor Air Sampling Results" dated December 10, 2015. Indoor air concentrations verified the building specific attenuation factor, and confirmed that indoor air concentrations are acceptable.

- Consistent with previous sample results, concentrations at soil gas sample point SG-25 were above residential SGSLs, but below non-residential SGSLs
- As discussed in the data quality review below, the usability of data from location SG-01 and the co-located duplicate sample were impacted by the presence of elevated tracer concentrations. However, concentrations at soil gas sample point SG-01 were below applicable non-residential SGSLs during all sample events (9 total) completed since full-scale operation of the Perimeter SVE system began in July 2014.

Ongoing soil gas monitoring is completed to verify that soil gas conditions are stable or decreasing during the Revised CMP review process and subsequent corrective measures implementation period. Soil gas data are consistent with historical data. Previously collected soil gas data (2010-2016) were used to support the Environmental Indicators Human Exposures under Control determination and the Risk Assessment. As described in the Revised CMP (March 2017), potential current exposures have been addressed through interim corrective measures, and potential future exposures are addressed through proposed soil and groundwater treatment.

Data Quality Review

TRC conducted data quality assurance to verify that field practices and laboratory data met the project data quality objectives. The laboratory data quality review report for the second quarter 2017 sampling event is included as Attachment 2. In addition to the review of field quality (tracer exceedance) and laboratory procedures outlined in Attachment 2, sample data are compared to historical sample results. The data quality objectives were met and the data are usable, except where elevated concentrations of tracer were observed as described below.

- The reported concentration of the tracer compound exceeded the project threshold for soil gas sampling points SG-01and DUP-01 indicating a significant leak during sample collection. Therefore, these sample data are not usable and are rejected.

A review of field procedures did not identify any deviations from appropriate sampling protocols. Given the availability 17historic measurements, including nine following start-up of the full-scale perimeter SVE system, a resample event was not considered necessary.

Ongoing Monitoring Activities

The Revised CMP, which was submitted to the USEPA on March 6, 2017, included a revised soil gas monitoring program. This revised program is described in Section 13 and summarized in Table 15 of

the Revised CMP. During the CMP review process, TPC will continue soil gas sampling on a semi-annual basis as outlined in Table 15 of the Revised CMP.

Table

Table 1
Summary of Chlorinated Volatile Organic Compounds at Soil Gas Sample Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

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
MDEQ Residential Sub-Slab SGSL (1)		4,100	8.2	1,700	58	580	170	36,000	12	21
MDEQ Residential Deep SGSL (1)		41,000	82	17,000	580	5,800	1,700	360,000	120	210
MDEQ Non-Residential Sub-Slab SGSL (1)		69,000	160	28,000	980	9,800	3,300	610,000	210	1,500
MDEQ Non-Residential Deep SGSL (1)		690,000	1,600	280,000	9,800	98,000	33,000	6,100,000	2,100	15,000
Units		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
	5/20/2010 (2)	**52.4**	<4.4	**21.6**	**184**	<4.4	**52.1**	**1,690**	**2,800**	<4.4
	10/21/2010	**74.7**	<16.8	<16.8	**272**	**25.8**	**222**	**8,300**	**32,100**	<16.8
	12/9/2010	<709	<709	<709	<709	<709	<709	**6,440**	**17,800**	<709
	4/13/2011	**32.8**	**166**	**21.0**	**110**	**7.8**	**84.6**	**2,630**	**10,500**	<6.7
	6/27/2011	<180	<90	<180	<180	<180	**98.0**	**1,420**	**7,340**	<90
	9/28/2011	<100	<100	<100	**220**	<200	**150**	**4,300**	**19,000**	<100
	11/21/2011 (3)	--	--	--	--	--	--	--	--	--
	1/30/2012	**10**	<4.0	**6.2**	**17**	<8.0	<4.0	**610**	**700**	<4.0
	6/27/2012	**53**	<5.0	**13**	**170**	**19**	**190**	**4,700**	**23,000**	<5.0
	10/1/2012	**56**	<50	<50	**190**	<100	**310**	**5,100**	**16,000**	<50
	11/27/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**10**	**1.9**	<1.0
	3/14/2013	**4.7**	<1.0	**4.7**	**6.7**	<2.0	<1.0	**300**	**190**	<1.0
	5/30/2013 (4)	<120	<24	<120	<120	<120	**49**	**1,400**	**3,700**	<19
	6/24/2013 (3)	--	--	--	--	--	--	--	--	--
	8/8/2013	**110**	<1.0	**30**	**440**	**45**	**2,200**	**12,000**	**110,000**	<1.0
	11/12/2013	**42**	<1.0	**13**	**160**	**15**	**950**	**6,000**	**51,000**	<1.0
	3/26/2014	<1.0	<1.0	<1.0	**1.2**	<2.0	**11**	**31**	**310**	<1.0
	5/21/2014	**1.0**	**1.6**	<1.0	**3.0**	<2.0	**73**	**180**	**1,500**	<1.0
	7/24/2014	<5.0	<5.0	<5.0	<5.0	<10	**140**	**28**	**890**	<5.0
	11/3/2014	<5.0	<5.0	<5.0	<5.0	<10	**18**	<5.0	**97**	<5.0
	4/1/2015	<1.0	<1.0	<1.0	**1.1**	<2.0	**1.7**	**160**	**150**	<1.0
	6/18/2015	<1.0	<1.0	<1.0	<1.0	<2.0	**7.2**	**27**	**89**	<1.0
	9/15/2015	<1.0	<1.0	<1.0	<1.0	<2.0	**11**	**5.7**	**100**	<1.0
	10/30/2015 (8)	<1.0	<1.0	<1.0	<1.0	<2.0	**1.1**	**2.0**	**8.9**	<1.0
	5/9/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	**4.2**	<1.0
	8/26/2016	<1.0	<1.0	<1.0	<1.0	<2.0	**3.2**	**1.7**	**19**	<1.0
	10/13/2016	<1.0	<1.0	<1.0	<1.0	<2.0	**1.5**	<1.0	7.8 (6)	<1.0
	1/24/2017	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	**1.9**	<1.0
	4/13/2017 (3)	--	--	--	--	--	--	--	--	--
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
	5/20/2010 (2)	**63.2**	<4.4	**31.0**	**245**	**22.6**	**256**	**2,120**	**3,770**	<4.4
	9/28/2011	<100	<100	<100	**270**	<200	**200**	**5,800**	**28,000**	<100
	11/21/2011	**22** (6)	<5.0	**9.9**	**48**	<10	**25**	**1,700**	**8,500**	<5.0
	1/30/2012	**15**	<4.0	**9.3**	**26**	<8.0	**4.0**	**920**	**1,000**	<4.0
	10/30/2015 (8)	**<1.0**	<1.0	<1.0	<1.0	<2.0	**1.0**	**2**	**8**	<1.0
	4/13/2017 (3)	--	--	--	--	--	--	--	--	--

Notes:

1) As recommended by USEPA in an email dated August 1, 2013, soil gas screening levels (SGSLs) are taken from the May 2013 Michigan Department of Environmental Quality (MDEQ) Final Guidance Document for the Vapor Intrusion Pathway.
2) 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.
3) Elevated concentrations of tracer detected. Analytical data for other analytes are presumed to be invalid (--).
4) Elevated detection limit due to siloxane contamination in sample.
5) Water in sample point prevented sample collection.
6) Quality control results are outside the established control limits, the result is approximate.
7) Analyte was evaluated for detection to the method detection limit.
8) Potential data quality issues were identified. Data may be biased high. Data, in the absence of additional data confirming these low-level detections, should be considered suspect and should not, in isolation, be used to trigger further action.
9) Sample port is screened in the low permeability zone. Available sample volume insufficient for analysis.
10) Elevated concentrations of tracer detected. Results and detection limits may be biased low.
11) Data quality review indicates the presence of residual contamination in sample canister. Results are rejected.
12) Elevated detection limits due to presence of 1,1-difluoroethane.

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

NS - No Sample

Table 1
Summary of Chlorinated Volatile Organic Compounds at Soil Gas Sample Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

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
MDEQ Residential Sub-Slab SGSL (1)		4,100	8.2	1,700	58	580	170	36,000	12	21
MDEQ Residential Deep SGSL (1)		41,000	82	17,000	580	5,800	1,700	360,000	120	210
MDEQ Non-Residential Sub-Slab SGSL (1)		69,000	160	28,000	980	9,800	3,300	610,000	210	1,500
MDEQ Non-Residential Deep SGSL (1)		690,000	1,600	280,000	9,800	98,000	33,000	6,100,000	2,100	15,000
Units		ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
SG-01 (DUP-02)	6/18/2015	<1.0	<1.0	<1.0	<1.0	<2.0	**7.7**	**29**	**95**	<1.0
	9/15/2015	<1.0	<1.0	<1.0	<1.0	<2.0	**9.3**	**5.8**	**100**	<1.0
	5/9/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	**4.1**	<1.0
	8/26/2016	**2.2**	<1.0	<1.0	<1.0	<2.0	**3.2**	**1.8**	**20**	<1.0
	1/24/2017	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	**2.4**	<1.0
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
	10/21/2010	<12.5	<12.5	<12.5	<12.5	<12.5	**532**	**328**	**1,610**	<12.5
	12/9/2010 (5)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/31/2011 (5)	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
	9/28/2011	<5.0	<5.0	<5.0	**6.1**	<10	**1,100**	**230**	**550**	<5.0
	11/21/2011	**2.3**	<1.0	<1.0	**2.6**	**2.5**	**400**	**120**	**310**	**1.1**
	1/30/2012	<1.0	<1.0	**2.1**	<1.0	<2.0	<1.0	**8.6**	**2.3**	<1.0
	6/27/2012	**18**	<1.0	**4.2**	**1,300**	**52**	**780**	**430**	**2,200**	**3.3**
	10/2/2012	**11**	<5.0	<5.0	**260**	**33**	**280**	**510**	**1,900**	<5.0
	11/27/2012	**4.6**	<1.0	**2.4**	**44**	**7.3**	**3.4**	**80**	**120**	<1.0
	3/26/2013	<2.0	<2.0	**3.4**	**46**	**4.6**	**10**	**32**	**100**	**2.1**
	5/30/2013 (6)	**7.3**	<2.0	**4.5**	**200**	**22**	**350**	**380**	**1,900**	<2.0
	8/9/2013	**17**	<1.0	**12**	**220**	**46**	**4,800**	**990**	**9,100**	<1.0
	11/13/2013	**7.4**	<1.0	**2.0**	**51**	**10**	**950**	**270**	**1,800**	<1.0
	3/26/2014 (3)	--	--	--	--	--	--	--	--	--
	4/16/2014	<1.0	<1.0	<1.0	**9.9**	**2.5**	**210**	**34**	**300**	<1.0
	5/21/2014	**7.6**	<1.0	**5.1**	**68**	**16**	**2,000**	**410**	**2,600**	<1.0
	7/24/2014	**31**	<10	<10	**120**	**47**	**5,400**	**1,300**	**5,600**	<10
	9/22/2014	**15**	<10	<10	**71**	**38**	**2,500**	**770**	**5,000**	<10
	11/5/2014	<10	<10	<10	**17**	<20	**1,800**	**310**	**2,800**	<10
	4/1/2015 (10)	<1.0	<1.0	**1.5**	**4.5**	**2.9**	**400**	**59**	**460**	<1.0
	6/18/2015	**6.3**	<1.0	**5.2**	**47**	**28**	**1,900**	**650**	**4,000**	<1.0
	9/14/2015	**13**	<1.0	**7.5**	**55**	**23**	**2,700**	**870**	**5,000**	<1.0
	10/30/2015	<5.0	<5.0	<5.0	**27**	<10	**600**	**370**	**1,800**	<5.0
	5/9/2016	**5.3**	<1.0	**1.6**	**21**	**10**	**1,300**	**270**	**3,300**	<1.0
	8/26/2016	**10**	<1.0	**3.5**	**58**	**22**	**2,700**	**610**	**5,200**	<1.0
	10/13/2016	**14**	<10	<10	**57**	**25**	**1,800**	**610**	4,900 (6)	<10
	1/24/2017 (3)	--	--	--	--	--	--	--	--	--

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6) Quality control results are outside the established control limits, the result is approximate.
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Bold font denotes concentrations detected above laboratory reporting limits.

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Table 1
Summary of Chlorinated Volatile Organic Compounds at Soil Gas Sample Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

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
MDEQ Residential Sub-Slab SGSL (1)		4,100	8.2	1,700	58	580	170	36,000	12	21
MDEQ Residential Deep SGSL (1)		41,000	82	17,000	580	5,800	1,700	360,000	120	210
MDEQ Non-Residential Sub-Slab SGSL (1)		69,000	160	28,000	980	9,800	3,300	610,000	210	1,500
MDEQ Non-Residential Deep SGSL (1)		690,000	1,600	280,000	9,800	98,000	33,000	6,100,000	2,100	15,000
Units		ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
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
	10/21/2010	**91.0**	<15.7	<15.7	**193**	**90.3**	<15.7	<15.7	<15.7	<15.7
	12/9/2010	**47.7**	<11.9	<11.9	**98.0**	**48.5**	<11.9	<11.9	<11.9	<11.9
	3/31/2011	<0.56	<0.56	<0.57	<0.57	<0.57	<0.57	<0.56	<0.57	<0.58
	6/27/2011	<0.36	<0.18	<0.37	<0.37	<0.37	**6.8**	**4.8**	**22.3**	<0.18
	9/28/2011	**3.0**	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0
	11/21/2011	**3.5**	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	**1.8**
	1/30/2012 (5)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/27/2012	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	**12**	<2.0
	10/2/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	11/27/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/26/2013 (3)	--	--	--	--	--	--	--	--	--
	4/15/2013 (3)	--	--	--	--	--	--	--	--	--
SG-03R (5-5.5')	5/30/2013	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0
	8/9/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	11/13/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/26/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/21/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**1.8**	<1.0	<1.0	<1.0
	9/22/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	11/5/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	4/1/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	**1.7**	<1.0
	6/18/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	9/14/2015	<1.0	<1.0	<1.0	<1.0	<2.0	**1.1**	**1.9**	**2.4**	<1.0
	5/9/2016	<1.0	<1.0	<1.0	**1.1**	<2.0	<1.0	<1.0	<1.0	<1.0
	8/26/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	10/13/2016	<10	<5.0	<5.0	<10	<10	<5.0	<5.0	<5.0	<5.0
	1/24/2017 (3)	--	--	--	--	--	--	--	--	--

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MDEQ Residential Sub-Slab SGSL [1]		4,100	8.2	1,700	58	580	170	36,000	12	21
MDEQ Residential Deep SGSL [1]		41,000	82	17,000	580	5,800	1,700	360,000	120	210
MDEQ Non-Residential Sub-Slab SGSL [1]		69,000	160	28,000	980	9,800	3,300	610,000	210	1,500
MDEQ Non-Residential Deep SGSL [1]		690,000	1,600	280,000	9,800	98,000	33,000	6,100,000	2,100	15,000
Units		ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
SG-04 (5-5.5')	4/5/2010	<2.6	<1.3 [7]	<2.6	<2.6	<4.9	<2.6	<2.6	<2.6	<2.5
	9/23/2010	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
	12/9/2010	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78
	3/31/2011	<1.6	<1.6	<1.6	<1.6	<1.6	**2.0**	<1.6	<1.6	<1.6
	6/7/2011	<1.0	<0.53	<1.1	<1.1	<1.1	<0.52	<1.0	<0.53	<0.54
	9/28/2011	<1.0	<1.0	<1.0	<1.0	<2.0	**1.7**	<1.0	<1.0	<1.0
	11/21/2011	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	**2.4**
	1/30/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	6/27/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	**1.0**	<1.0
	10/2/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	11/27/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/18/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/24/2013 [4]	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0
	8/9/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	**4.7**	<1.0
	11/13/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/26/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/21/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	7/24/2014 [8]	<1.0	<1.0	<1.0	<1.0	<2.0	**5.6**	<1.0	<1.0	<1.0
	11/5/2014	**6.8**	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0
	4/1/2015 [10]	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	6/18/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	9/14/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**3.0**	<1.0	<1.0
	5/9/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	**1.1**	<1.0
	8/26/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	10/13/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	1/19/2017 [3]	--	--	--	--	--	--	--	--	--

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MDEQ Non-Residential Deep SGSL (1)		690,000	1,600	280,000	9,800	98,000	33,000	6,100,000	2,100	15,000
Units		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	**28.7**	**26.6**	<2.5
	10/21/2010	<16.8	<16.8	<16.8	<16.8	<16.8	<16.8	**708**	**1,320**	<16.8
	12/9/2010	<15.7	<15.7	<15.7	<15.7	<15.7	<15.7	**357**	**538**	<15.7
	3/31/2011 (5)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/27/2011	<0.34	<0.17	<0.35	<0.35	<0.35	<0.17	**2.2**	**0.20**	<0.17
	9/28/2011	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**2.1**	**1.1**	<1.0
	11/21/2011	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	1/30/2012 (5)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/26/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**1.1**	<1.0	<1.0
	10/1/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**220**	**380**	<1.0
	11/27/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**54**	**22**	<1.0
	3/18/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/23/2013 (4)	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0
	8/8/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**16**	**21**	<1.0
	11/12/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**170**	**260**	<1.0
	3/26/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**150**	**250**	<1.0
	5/19/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**1.2**	**1.7**	<1.0
	7/22/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**1.3**	**5.0**	**14**	<1.0
	11/3/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**34**	**36**	<1.0
	3/30/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**1.8**	**2.5**	<1.0
	6/17/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**2.7**	**3.8**	<1.0
	9/14/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**18**	**14**	<1.0
	10/30/2015 (8)	<1.0	<1.0	<1.0	**1.1**	<2.0	<1.0	**130**	**140**	<1.0
	5/9/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**2.1**	**2.2**	<1.0
	8/25/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**30**	**30**	<1.0
	10/14/2016	<10	<5.0	<5.0	<10	<10	<5.0	**130**	**190**	<5.0
	1/24/2017 (5)	NS	NS	NS	NS	NS	NS	NS	NS	NS
SG-05 (DUP-01)	10/21/2010	<16.8	<16.8	<16.8	<16.8	<16.8	<16.8	**581**	**1,020**	<16.8
	12/9/2010	<211	<211	<211	<211	<211	<211	**772**	**849**	<211
	10/1/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**190**	**370**	<1.0

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Table 1
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Former Tecumseh Products Company Site
Tecumseh, Michigan

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
MDEQ Residential Sub-Slab SGSL [1]		4,100	8.2	1,700	58	580	170	36,000	12	21
MDEQ Residential Deep SGSL [1]		41,000	82	17,000	580	5,800	1,700	360,000	120	210
MDEQ Non-Residential Sub-Slab SGSL [1]		69,000	160	28,000	980	9,800	3,300	610,000	210	1,500
MDEQ Non-Residential Deep SGSL [1]		690,000	1,600	280,000	9,800	98,000	33,000	6,100,000	2,100	15,000
Units		ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
SG-06 (8-8.5')	4/5/2010	<2.6	<2.6	<2.6	<2.6	<4.9	<2.6	<2.6	**7.2**	<2.5
	5/20/2010	<4.6	<4.6	<4.6	<4.6	<4.6	**9.5**	**6.0**	**104**	<4.6
	9/21/2010	<29.2	<29.2	<29.2	<29.2	<29.2	**62.2**	<29.2	**263**	<29.2
	12/9/2010	<3.9	<3.9	<3.9	**6.1**	<3.9	**4.3**	**7.4**	**64.9**	<3.9
	3/31/2011	**0.73**	<0.17	<0.35	<0.35	**1.3**	<0.17	**1.7**	**14.1**	<0.17
	6/7/2011	**0.88**	<0.18	<0.37	**5.6**	**2.5**	**7.5**	**2.5**	**50.2**	<0.18
	9/28/2011	**3.6**	<2.0	<2.0	**35**	**6.4**	**16**	**7.7**	**150**	<2.0
	11/21/2011	**2.2**	<1.0	<1.0	**9.2**	**2.6**	<1.0	**5.1**	**29**	**1.1**
	1/30/2012	**1.4**	<1.0	<1.0	**5.4**	<2.0	<1.0	**1.3**	**9.7**	<1.0
	6/27/2012	<1.0	<1.0	<1.0	**7.7**	<2.0	**9.1**	**3.4**	**68**	<1.0
	10/1/2012	<1.0	<1.0	<1.0	<1.0	<2.0	**2.3** [6]	<1.0	**12** [6]	<1.0
	11/28/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	**2.1**	<1.0
	3/18/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/23/2013 [4]	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0
	8/8/2013	<1.0	<1.0	<1.0	<1.0	<2.0	**20**	<1.0	**10**	<1.0
	11/12/2013	<1.0	<1.0	<1.0	<1.0	<2.0	**8.9**	<1.0	**6.0**	<1.0
	3/26/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**1.7**	<1.0	**1.1**	<1.0
	5/19/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**5.0**	<1.0	**2.1**	<1.0
	7/22/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**59**	**7.9**	**59**	<1.0
	11/3/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**3.7**	<1.0	**1.7**	<1.0
	3/30/2015	<1.0	<1.0	<1.0	<1.0	<2.0	**1.6**	<1.0	<1.0	<1.0
	6/17/2015	<1.0	<1.0	<1.0	<1.0	<2.0	**2.3**	<1.0	**1.8**	<1.0
	9/14/2015	<1.0	<1.0	<1.0	<1.0	<2.0	**2.7**	<1.0	**1.6**	<1.0
	10/30/2015 [8]	<1.0	<1.0	<1.0	<1.0	<2.0	**2.1**	<1.0	**1.7**	<1.0
	5/9/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	8/25/2016	<1.0	<1.0	<1.0	<1.0	<2.0	**2.8**	<1.0	**2.6**	<1.0
	10/12/2016	<1.0	<1.0	<1.0	<1.0	<2.0	**3.1**	<1.0	2.5 [6]	<1.0
	1/24/2017 [12]	<200	<100	<100	<200	<200	<100	<100	<100	<100
	4/13/2017	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0

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Former Tecumseh Products Company Site
Tecumseh, Michigan

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
MDEQ Residential Sub-Slab SGSL (1)		4,100	8.2	1,700	58	580	170	36,000	12	21
MDEQ Residential Deep SGSL (1)		41,000	82	17,000	580	5,800	1,700	360,000	120	210
MDEQ Non-Residential Sub-Slab SGSL (1)		69,000	160	28,000	980	9,800	3,300	610,000	210	1,500
MDEQ Non-Residential Deep SGSL (1)		690,000	1,600	280,000	9,800	98,000	33,000	6,100,000	2,100	15,000
Units		ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
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
	5/20/2010	<5.0	<5.0	<5.0	<5.0	<5.0	**13.8**	**6.8**	**145**	<5.0
	9/21/2010	<69.6	<69.6	<69.6	<69.6	<69.6	**140**	<69.6	**403**	<69.6
	12/9/2010	<22.2	<22.2	<22.2	<22.2	<22.2	**24.4**	<22.2	**139**	<22.2
	3/31/2011	<0.34	<0.17	<0.35	<0.35	<0.35	**5.9**	**4.3**	**47.2 (6)**	<0.17
	6/7/2011	<0.36	<0.18	<0.37	<0.37	<0.37	**23.6**	**4.4 (6)**	**171 (6)**	<0.18
	9/28/2011	<1.0	<1.0	<1.0	<1.0	<2.0	**76**	**16**	**260**	<1.0
	11/21/2011	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**2.7**	**3.1**	**1.5**
	1/30/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	**2.4**	<1.0
	6/26/2012	<1.0	<1.0	<1.0	<1.0	<2.0	**67**	**9.0**	**250**	<1.0
	10/1/2012	<1.0	<1.0	<1.0	<1.0	<2.0	**16**	**8.8**	**130**	<1.0
	11/28/2012	<1.0	<1.0	<1.0	<1.0	<2.0	**1.7**	**3.4**	**34**	<1.0
	3/18/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**1.4**	**13**	<1.0
	5/23/2013	<1.0	<1.0	<1.0	<1.0	<2.0	**27**	**4.0**	**120**	<1.0
	8/8/2013	<1.0	<1.0	<1.0	<1.0	<2.0	**260**	**13**	**510**	<1.0
	11/12/2013	<1.0	<1.0	<1.0	<1.0	<2.0	**160**	**7.7**	**340**	<1.0
	3/26/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**41**	**2.5**	**79**	<1.0
	5/19/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**110**	**4.1**	**180**	<1.0
	7/23/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**210**	**11 (6)**	**320**	<1.0
	11/3/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**180**	**7.0**	**330**	<1.0
	3/30/2015	<1.0	<1.0	<1.0	**1.3**	<2.0	**47**	**2.4**	**110**	<1.0
	6/17/2015	<1.0	<1.0	<1.0	<1.0	<2.0	**140**	**6.1**	**250**	<1.0
	9/14/2015	<1.0	<1.0	<1.0	<1.0	<2.0	**130 (6)**	**11**	**310**	<1.0
	10/30/2015 (8)	<1.0	<1.0	<1.0	<1.0	<2.0	**63**	**3.6**	**110**	<1.0
	5/9/2016	<1.0	<1.0	<1.0	<1.0	<2.0	**77**	**4.4**	**160**	<1.0
	8/25/2016	<1.0	<1.0	<1.0	<1.0	<2.0	**240**	**13**	**390**	<1.0
	10/13/2016	<10	<5.0	<5.0	<10	<10	**220**	**10**	**320**	<5.0
	1/19/2017 (12)	<5,000	<2,500	<2,500	<5,000	<5,000	<2,500	<2,500	<2,500	<2,500
	4/13/2017	<1.0	<1.0	<1.0	<1.0	<2.0	**71**	**4.4**	**130**	<1.0

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MDEQ Residential Sub-Slab SGSL (1)		4,100	8.2	1,700	58	580	170	36,000	12	21
MDEQ Residential Deep SGSL (1)		41,000	82	17,000	580	5,800	1,700	360,000	120	210
MDEQ Non-Residential Sub-Slab SGSL (1)		69,000	160	28,000	980	9,800	3,300	610,000	210	1,500
MDEQ Non-Residential Deep SGSL (1)		690,000	1,600	280,000	9,800	98,000	33,000	6,100,000	2,100	15,000
Units		ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
SG-07 (DUP-01)	3/31/2011	<0.56	<0.56	<0.57	<0.57	<0.57	**7.9**	**5.0**	**90.6 (6)**	<0.58
	6/7/2011	<0.36	<0.18	<0.37	<0.37	<0.37	**28.4 (6)**	**9.5 (6)**	**97.2 (6)**	<0.18
	6/26/2012	<1.0	<1.0	<1.0	<1.0	<2.0	**66**	**9.3**	**250**	<1.0
	11/28/2012	<1.0	<1.0	<1.0	<1.0	<2.0	**1.5**	**3.1**	**33**	<1.0
	5/23/2013 (4)	<4,900	<970	<5,000	<5,000	<5,000	<580	<3,600	<730	<770
	8/8/2013	<1.0	<1.0	<1.0	<1.0	<2.0	**220**	**12**	**420**	<1.0
	11/12/2013	<1.0	<1.0	<1.0	<1.0	<2.0	**160**	**7.6**	**350**	<1.0
	3/26/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**42**	**2.6**	**82**	<1.0
	5/19/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**110**	**4.3**	**180**	<1.0
	7/23/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**190**	**8.6 (6)**	**300**	<1.0
	11/3/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**180**	**6.8**	**320**	<1.0
	6/17/2015	<1.0	<1.0	<1.0	<1.0	<2.0	**130**	**5.8**	**230**	<1.0
	3/30/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	9/14/2015	<1.0	<1.0	<1.0	<1.0	<2.0	**230 (6)**	**12**	**400**	<1.0
	8/25/2016	<1.0	<1.0	<1.0	<1.0	<2.0	**250**	**15**	**420**	<1.0
	10/13/2016	<10	<5.0	<5.0	<10	<10	**170**	**13**	**300**	<5.0
SG-07 (DUP-02)	3/18/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**1.4**	**12**	<1.0

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Units		ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
SG-08 (6.5-7')	4/5/2010	<2.6	<1.3 (7)	<2.6	<2.6	<5.1	<2.6	<2.6	<2.6	<2.6
	9/23/2010	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**4.5**	**3.5**	<2.0
	12/9/2010 (5)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/31/2011	<0.34	<0.17	<0.35	<0.35	<0.35	**0.29**	**3.4**	<0.17	<0.17
	6/27/2011	<0.34	<0.17	<0.35	<0.35	<0.35	<0.17	**0.97**	<0.18	<0.17
	9/28/2011	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**1.9**	<1.0	<1.0
	11/21/2011	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**6.9**	**1.3**	**1.0**
	1/30/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	6/29/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**1.8**	**2.0**	<1.0
	10/2/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**1.7**	<1.0	<1.0
	11/27/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/18/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/24/2013 (4)	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0
	8/9/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**5.4**	**8.6**	<1.0
	11/14/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**2.6**	**3.2**	<1.0
	4/16/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	**1.2**	<1.0
	5/20/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**1.4**	**4.0**	<1.0
	7/24/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**2.2**	**4.0**	**5.2**	<1.0
	11/5/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**4.2**	**2.2** (6)	<1.0
	4/1/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	6/18/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**2.7**	**1.9**	<1.0
	9/14/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**6.3**	**4.7**	<1.0
	5/9/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**2.5**	<1.0	<1.0
	8/26/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**13**	**22**	<1.0
	10/13/2016	<10	<5.0	<5.0	<10	<10	<5.0	**16**	**33**	<5.0
	1/19/2017 (3)	--	--	--	--	--	--	--	--	--
	4/13/2017	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
SG-08 (DUP-01)	1/19/2017 (3)	--	--	--	--	--	--	--	--	--
SG-08 (DUP-02)	5/24/2013 (4)	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0
	8/9/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**4.8**	**7.1**	<1.0
	11/14/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**2.5**	**3.7**	<1.0
	5/20/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**2.0**	**1.6**	<1.0
	7/24/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**1.8**	**3.9**	**5.2**	<1.0
	11/5/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**4.7**	**8.6** (6)	<1.0
	10/13/2016	<1.0	<1.0	<1.0	<1.0	<2.0	**1.1**	**19**	**59** (6)	<1.0

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Bold font denotes concentrations detected above laboratory reporting limits.

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Table 1
Summary of Chlorinated Volatile Organic Compounds at Soil Gas Sample Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

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
MDEQ Residential Sub-Slab SGSL [1]		4,100	8.2	1,700	58	580	170	36,000	12	21
MDEQ Residential Deep SGSL [1]		41,000	82	17,000	580	5,800	1,700	360,000	120	210
MDEQ Non-Residential Sub-Slab SGSL [1]		69,000	160	28,000	980	9,800	3,300	610,000	210	1,500
MDEQ Non-Residential Deep SGSL [1]		690,000	1,600	280,000	9,800	98,000	33,000	6,100,000	2,100	15,000
Units		ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
SG-09 (5.5-6')	4/5/2010 [3]	--	--	--	--	--	--	--	--	--
	5/20/2010	**10.6**	<4.4	<4.4	<4.4	<4.4	<4.4	**123**	**176**	<4.4
	9/23/2010	<23.4	<23.4	<23.4	<23.4	<23.4	<23.4	**142**	**436**	<23.4
	12/9/2010	<13.2	<13.2	<13.2	<13.2	<13.2	<13.2	**61.8**	**51.7**	<13.2
	3/31/2011	**4.3**	<0.17	<0.35	**1.3**	<0.35	<0.17	**52.5**	**13.9**	<0.17
	6/27/2011	**5.4**	<0.17	<0.35	**1.4**	<0.35	<0.17	**52.8**	**45.8**	<0.17
	9/28/2011	**1.7**	<1.0	<1.0	<1.0	<2.0	<1.0	**13**	**7.9**	<1.0
	11/21/2011	**3.8**	<1.0	<1.0	<1.0	<2.0	<1.0	**32**	**9.1**	<1.0
	1/30/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**7.2**	**1.3**	<1.0
	6/29/2012	<1.0	<1.0	<1.0	**1.0**	<2.0	<1.0	**89**	**190**	<1.0
	10/2/2012	**1.0**	<1.0	<1.0	<1.0	<2.0	<1.0	**56**	**74**	<1.0
	11/27/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**4.3**	**1.9**	<1.0
	3/18/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**5.4**	**4.0**	<1.0
	5/24/2013 [4]	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	**18**	**27**	<2.0
	8/9/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**67**	**270**	<1.0
	11/14/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**35**	**170**	<1.0
	4/16/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**6.2**	**36**	<1.0
	5/20/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**15**	**73**	<1.0
	7/24/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**23**	**99**	<1.0
	11/5/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**11**	**67**	<1.0
	4/1/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**4.0**	**21**	<1.0
	6/18/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**10**	**69**	<1.0
	9/14/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**14**	**88**	<1.0
	10/30/2015 [8]	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**11**	**58**	<1.0
	5/9/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**5.8**	**31**	<1.0
	8/26/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**19**	**83**	<1.0
	10/13/2016	**1.4**	<1.0	<1.0	<1.0	<2.0	**5.8**	**24**	**110** [6]	<1.0
	1/19/2017 [3]	--	--	--	--	--	--	--	**--**	--
	4/13/2017	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**5.6**	**30**	<1.0
SG-09 (DUP-02)	6/29/2012	<1.0	<1.0	<1.0	**1.2**	<2.0	<1.0	**93**	**200**	<1.0

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MDEQ Non-Residential Deep SGSL (1)		690,000	1,600	280,000	9,800	98,000	33,000	6,100,000	2,100	15,000
Units		ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
SG-10 (5-5.5')	4/5/2010	<40.3 (7)	<40.3 (7)	<80.6	<80.6	<80.6	<40.3 (7)	<80.6	<40.3 (7)	<40.3 (7)
	9/21/2010	<4.4	<2.2 (7)	<4.4	<4.4	<4.4	<4.4	<4.4	**11.5**	<4.4
	12/9/2010	<8.7	<4.4 (7)	<8.7	<8.7	<8.7	<4.4 (7)	<8.7	<8.7	<8.7
	3/31/2011	<0.61	<0.61	<0.62	<0.62	<0.62	<0.61	<0.59	<0.60	<0.62
	6/27/2011 (5)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/28/2011	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**1.4**	**19**	<1.0
	11/21/2011	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**19**	**56**	<1.0
	1/30/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	6/27/2012	<1.0	<1.0	<1.0	**4.8**	<2.0	**1.9**	**46**	**210**	<1.0
	10/1/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	11/29/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/18/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/23/2013 (3)	--	--	--	--	--	--	--	--	--
	6/24/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	8/8/2013	<1.0	<1.0	<1.0	**1.6**	<2.0	**29**	**6.9**	**53**	<1.0
	11/13/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/26/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/20/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	7/23/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	11/4/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/31/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	6/17/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	**3.4**	<1.0
	9/15/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	**5.5**	<1.0
	10/30/2015	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0
	5/10/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	**1.3**	<1.0
	8/25/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	**7.1**	<1.0
	10/12/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	5.1 (6)	<1.0
	1/19/2017 (3)	--	--	--	--	--	--	--	--	--
	4/13/2017	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0

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Units		ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
SG-11 (5.5-6')	4/5/2010	<2.8	<1.4 (7)	<2.8	<2.8	<5.4	<2.8	<2.8	<2.8	<2.8
	9/23/2010	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4
	12/9/2010	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84
	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	**0.89**	**0.54**	**1.2**	<0.19
	9/28/2011	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	11/21/2011	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**6.8**	**18**	<1.0
	1/30/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	6/27/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
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	3/18/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
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	11/14/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/26/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**1.3**	<1.0	<1.0	<1.0
	5/20/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	7/23/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	11/4/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/31/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	6/17/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	9/15/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	10/30/2015	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0
	5/10/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	8/25/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	10/12/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	1/19/2017	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	4/13/2017	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0

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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
MDEQ Residential Sub-Slab SGSL (1)		4,100	8.2	1,700	58	580	170	36,000	12	21
MDEQ Residential Deep SGSL (1)		41,000	82	17,000	580	5,800	1,700	360,000	120	210
MDEQ Non-Residential Sub-Slab SGSL (1)		69,000	160	28,000	980	9,800	3,300	610,000	210	1,500
MDEQ Non-Residential Deep SGSL (1)		690,000	1,600	280,000	9,800	98,000	33,000	6,100,000	2,100	15,000
Units		ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
SG-12 (5-5.5')	4/5/2010 (5)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/20/2020 (5)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/21/2010 (5)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/9/2010	<2.5	<1.3 (7)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
	3/31/2011 (5)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/27/2011 (5)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/28/2011 (5)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/21/2011	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	1/30/2012 (5)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/28/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/26/2013 (5)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/24/2013 (5)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/14/2015 (5)	NS	NS	NS	NS	NS	NS	NS	NS	NS
SG-12R (7-7.5')	6/26/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	10/3/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	11/28/2012 (9)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/26/2013 (9)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/24/2013 (9)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/9/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	11/13/2013	<1.0	<1.0	<1.0	**1.9**	<2.0	<1.0	<1.0	**5.6**	<1.0
	3/26/2014 (3)	--	--	--	--	--	--	--	--	--
	4/16/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/19/2014	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0
	7/22/2014 (3)	--	--	--	--	--	--	--	--	--
	12/5/2014 (10)	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/31/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	6/18/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	**1.3**	<1.0
	9/15/2015 (5)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/10/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	8/26/2016 (3)	--	--	--	--	--	--	--	--	--
	10/12/2016	<10	<5.0	<5.0	<10	<10	<5.0	<5.0	<5.0	<5.0
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Units		ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
SG-13 (5.5-6')	4/5/2010	<2.5	<1.3 [7]	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
	5/20/2010	<4.5	<2.2 [7]	<4.5	<4.5	<4.5	<4.5	<4.5	**6.1**	<4.5
	9/23/2010	<1.5	<1.5	<1.5	**2.5**	**5.6**	<1.5	<1.5	<1.5	<1.5
	12/9/2010	<1.6	<1.6	<1.6	<1.6	**2.9**	<1.6	<1.6	<1.6	<1.6
	3/31/2011	<0.56	<0.56	<0.57	<0.57	<0.57	<0.57	<0.56	<0.57	<0.58
	6/7/2011	**1.5**	<0.19	<0.40	**4.8**	**10.8**	**0.77**	**0.81**	**1.6**	<0.19
	9/28/2011	**1.1**	<1.0	<1.0	**6.2**	**10**	<1.0	<1.0	<1.0	<1.0
	11/21/2011	**1.9**	<1.0	<1.0	**2.0**	**4.0**	<1.0	<1.0	<1.0	<1.0
	1/30/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	6/26/2012	<1.0	<1.0	<1.0	**4.9**	**7.7**	<1.0	<1.0	<1.0	<1.0
	10/2/2012	<1.0	<1.0	<1.0	**3.4** [6]	**5.9** [6]	<1.0	<1.0	<1.0	<1.0
	11/28/2012	<1.0	<1.0	<1.0	**1.7**	**2.7**	<1.0	<1.0	<1.0	<1.0
	3/14/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/23/2013	<1.0	<1.0	<1.0	<1.0	**3.4**	<1.0	<1.0	<1.0	<1.0
	8/8/2013	<1.0	<1.0	<1.0	**1.3**	**8.8**	<1.0	<1.0	<1.0	<1.0
	11/14/2013	<1.0	<1.0	<1.0	<1.0	**4.5**	<1.0	<1.0	<1.0	<1.0
	3/26/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/20/2014	<1.0	<1.0	<1.0	**1.3**	**4.0**	<1.0	<1.0	<1.0	<1.0
	7/23/2014	<1.0	<1.0	<1.0	**1.4**	**6.6**	<1.0	<1.0	<1.0	<1.0
	11/4/2014	<1.0	<1.0	<1.0	<1.0	**4.5** [6]	<1.0	<1.0	<1.0	<1.0
	3/31/2015	<1.0	<1.0	<1.0	<1.0	**2.5**	<1.0	<1.0	<1.0	<1.0
	6/17/2015	<1.0	<1.0	<1.0	**2.2**	**9.4**	<1.0	<1.0	<1.0	<1.0
	9/15/2015	<1.0	<1.0	<1.0	<1.0	**2.8**	<1.0	<1.0	<1.0	<1.0
	5/10/2016	<1.0	<1.0	<1.0	<1.0	**2.6**	<1.0	<1.0	<1.0	<1.0
	8/26/2016	<1.0	<1.0	<1.0	<1.0	**4.5**	<1.0	<1.0	**1.1**	<1.0
	10/12/2016	<10	<5.0	<5.0	<10	<10	<5.0	<5.0	<5.0	<5.0
	1/24/2017 [3]	--	--	--	--	--	--	--	--	--

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Units		ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
SG-14 (6.5-7') (5)	4/5/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/20/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/21/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/9/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/31/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/27/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/28/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/21/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/30/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS
SG-14R (6.5-7')	6/26/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	**1.3**	<1.0
	10/3/2012 (9)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/28/2012 (9)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/14/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/24/2013 (3)	--	--	--	--	--	--	--	--	--
	8/9/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	**1.6**	<1.0
	11/13/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	4/16/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/19/2014	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0
	7/22/2014 (3)	--	--	--	--	--	--	--	--	--
	11/4/2014	<100	<100	<100	<100	<200	<100	<100	<100	<100
	4/1/2015 (10)	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0

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Units		ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
SG-15 (11-11.5')	9/23/2010 (5)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/15/2010 (5)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/31/2011 (5)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/27/2011 (5)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/28/2011 (5)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/21/2011	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**10**	**30**	<1.0
	1/30/2012 (5)	NS	NS	NS	NS	NS	NS	NS	NS	NS
SG-15R (8.75-9.25')	6/26/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	10/3/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	11/28/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/18/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/24/2013 (4,7)	<1.6	<1.6	<1.9	<1.6	<1.2	<1.0	<1.0	<1.2	<1.8
	8/8/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	11/13/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/26/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/20/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	7/23/2014 (8)	<1.0	<1.0	<1.0	<1.0	<2.0	**1.4**	<1.0	**8.5**	<1.0
	11/4/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/31/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	6/17/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	9/15/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/10/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**5.1**	**2.7**	<1.0
	8/26/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	**2.3**	<1.0
	10/12/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	1/24/2017	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0

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MDEQ Non-Residential Deep SGSL [1]		690,000	1,600	280,000	9,800	98,000	33,000	6,100,000	2,100	15,000
Units		ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
SG-16 (7.5-8')	9/23/2010	<2.5	<2.5	<2.5	<2.5	<2.5	**2.6**	<2.5	<2.5	<2.5
	12/9/2010	<15.7	<7.8 [7]	<15.7	<15.7	<15.7	<7.8 [7]	<15.7	<15.7	<7.8 [7]
	3/31/2011	<0.61	<0.61	<0.60	<0.60	<0.60	<0.61	<0.59	<0.60	<0.62
	6/7/2011	<1.1	<0.53	<1.1	<1.1	<1.1	<0.54	<1.1	**0.62**	<0.54
	9/28/2011	<1.0	<1.0	<1.0	**3.3**	<2.0	**7.4**	<1.0	**28**	<1.0
	11/21/2011	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	**1.1**
	1/30/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	6/27/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	10/2/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	11/28/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/18/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/23/2013 [4]	<4,900	<970	<5,000	<5,000	<5,000	<580	<3,600	<730	<770
	6/24/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	8/8/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	**13**	<1.0
	11/13/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/26/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/19/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	7/23/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**1.3**	<1.0	**1.1**	<1.0
	11/4/2014	<1.0	<1.0	<1.0	**5.2**	**3.1** [6]	**11**	<1.0	**4.4**	<1.0
	3/31/2015	<1.0	<1.0	<1.0	<1.0	<2.0	**1.2**	<1.0	<1.0	<1.0
	6/17/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	9/14/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	10/30/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/10/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	8/25/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	10/13/2016	<10	<5.0	<5.0	<10	<10	<5.0	<5.0	<5.0	<5.0
	1/24/2017 [3]	--	--	--	--	--	--	--	--	--
SG-16 (DUP-02)	10/2/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	6/24/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0

Notes:

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2) 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.
3) Elevated concentrations of tracer detected. Analytical data for other analytes are presumed to be invalid (--).
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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

NS - No Sample

Table 1
Summary of Chlorinated Volatile Organic Compounds at Soil Gas Sample Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

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
MDEQ Residential Sub-Slab SGSL (1)		4,100	8.2	1,700	58	580	170	36,000	12	21
MDEQ Residential Deep SGSL (1)		41,000	82	17,000	580	5,800	1,700	360,000	120	210
MDEQ Non-Residential Sub-Slab SGSL (1)		69,000	160	28,000	980	9,800	3,300	610,000	210	1,500
MDEQ Non-Residential Deep SGSL (1)		690,000	1,600	280,000	9,800	98,000	33,000	6,100,000	2,100	15,000
Units		ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
SG-17 (8-8.5')	6/27/2012	<1.0	<1.0	<1.0	<1.0	<2.0	**1.8**	**330**	**5.7**	<1.0
	10/1/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**250**	<1.0	<1.0
	11/28/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**42**	<1.0	<1.0
	3/14/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**42**	<1.0	<1.0
	5/23/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**83**	<1.0	<1.0
	8/8/2013	<2.0	<2.0	<2.0	<2.0	<4.0	**6.0**	**550**	<2.0	<2.0
	11/12/2013	<1.0	<1.0	<1.0	<1.0	<2.0	**5.1**	**300**	**6.2**	<1.0
	3/26/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**81**	<1.0	<1.0
	5/19/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**1.8**	**120**	<1.0	<1.0
	7/23/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**4.6**	**330**	<1.0	<1.0
	11/4/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**2.4**	**370**	<1.0	<1.0
	3/31/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**71**	<1.0	<1.0
	6/17/2015	<1.0	<1.0	<1.0	<1.0	<2.0	**3.5**	**300**	<1.0	<1.0
	9/14/2015	<1.0	<1.0	<1.0	<1.0	<2.0	**4.6**	**470**	<1.0	<1.0
	5/10/2016	<1.0	<1.0	<1.0	<1.0	<2.0	**1.4**	**190**	**4.4**	<1.0
	8/25/2016	<1.0	<1.0	<1.0	<1.0	<2.0	**6.9**	**460**	<1.0	<1.0
	10/13/2016	<10	<5.0	<5.0	<10	<10	<5.0	**340**	<5.0	<5.0
	1/19/2017	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**130**	<5.0	<5.0
SG-18 (8-8.5')	6/27/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**1.1**	**2.3**	<1.0
	10/1/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	11/29/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/14/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/23/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	8/8/2013	<1.0	<1.0	<1.0	<1.0	<2.0	**2.1**	<1.0	**6.4**	<1.0
	11/13/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/26/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/20/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	7/23/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**2.1**	<1.0	**1.9**	<1.0
	11/4/2014	<1.0	<1.0	<1.0	**2.8**	**6.1** (6)	<1.0	<1.0	<1.0	<1.0
	3/31/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	6/17/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	9/15/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/10/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	8/25/2016	<1.0	<1.0	<1.0	<1.0	<2.0	**2.8**	<1.0	**5.5**	<1.0
	10/12/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	1/19/2017 (12)	<5,000	<2,500	<2,500	<5,000	<2,500	<2,500	<2,500	<2,500	<2,500

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MDEQ Residential Sub-Slab SGSL (1)		4,100	8.2	1,700	58	580	170	36,000	12	21
MDEQ Residential Deep SGSL (1)		41,000	82	17,000	580	5,800	1,700	360,000	120	210
MDEQ Non-Residential Sub-Slab SGSL (1)		69,000	160	28,000	980	9,800	3,300	610,000	210	1,500
MDEQ Non-Residential Deep SGSL (1)		690,000	1,600	280,000	9,800	98,000	33,000	6,100,000	2,100	15,000
Units		ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
SG-19 (8-8.5')	6/26/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	10/2/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	11/27/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/14/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/24/2013 (4)	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0
	8/8/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	11/14/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/26/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/20/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	7/23/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	12/4/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/31/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	6/17/2015	<1.0	<1.0	<1.0	<1.0	**3.0**	<1.0	<1.0	<1.0	<1.0
	9/15/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/10/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	8/26/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	10/12/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	1/24/2017 (12)	<250	<120	<120	<250	<250	<120	<120	<120	<120

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Units		ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
SG-20 (8-8.5')	6/27/2012	<1.0	<1.0	<1.0	<1.0	<2.0	**5.4**	**1.5**	**17**	<1.0
	10/2/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	**1.9**	<1.0
	11/27/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/14/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	**1.3**	<1.0
	5/24/2013 (4)	<2.0	<2.0	<2.0	<2.0	<4.0	**3.6**	<2.0	<2.0	<2.0
	8/8/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**3.1**	**1.0**	<1.0
	11/12/2013	<1.0	<1.0	<1.0	<1.0	<2.0	**13**	**1.4**	**23**	<1.0
	3/26/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**2.9**	<1.0	**5.3**	<1.0
	5/20/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**7.8**	<1.0	**12**	<1.0
	7/24/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	11/5/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**12**	**1.5**	**21**	<1.0
	3/31/2015	<1.0	<1.0	<1.0	<1.0	<2.0	**3.4**	<1.0	**7.1**	<1.0
	6/18/2015	<5.0	<5.0	<5.0	<5.0	<10	**15**	<5.0	**25**	<5.0
	9/14/2015	<1.0	<1.0	<1.0	<1.0	<2.0	**26**	**2.2**	**36**	<1.0
	10/30/2015 (8)	<1.0	<1.0	<1.0	<1.0	<2.0	**16**	**1.8**	**27**	<1.0
	5/9/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**32**	**5.3**	<1.0
	8/25/2016	<1.0	<1.0	<1.0	<1.0	<2.0	**26**	**2.0**	**37**	<1.0
	10/13/2016	<10	<5.0	<5.0	<10	<10	**31**	<5.0	**37**	<5.0
	1/19/2017 (3)	--	--	--	--	--	--	--	--	--
SG-20 (DUP-02)	3/26/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**2.7**	<1.0	**5.8**	<1.0
	3/31/2015	<1.0	<1.0	<1.0	<1.0	<2.0	**4.1**	<1.0	**7.1**	<1.0

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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

NS - No Sample

Table 1
Summary of Chlorinated Volatile Organic Compounds at Soil Gas Sample Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

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
MDEQ Residential Sub-Slab SGSL (1)		4,100	8.2	1,700	58	580	170	36,000	12	21
MDEQ Residential Deep SGSL (1)		41,000	82	17,000	580	5,800	1,700	360,000	120	210
MDEQ Non-Residential Sub-Slab SGSL (1)		69,000	160	28,000	980	9,800	3,300	610,000	210	1,500
MDEQ Non-Residential Deep SGSL (1)		690,000	1,600	280,000	9,800	98,000	33,000	6,100,000	2,100	15,000
Units		ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
SG-21 (8-8.5')	6/27/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**1.1**	**2.3**	<1.0
	3/14/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/24/2013 (4)	<120	<24	<120	<120	<120	<15	<91	<18	<19
	6/24/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	8/8/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	11/12/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	4/16/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/20/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	7/24/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	11/5/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/31/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	6/18/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	9/14/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/9/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	8/26/2016 (11)	--	--	--	--	--	--	--	--	--
	10/13/2016	<10	<5.0	<5.0	<10	<10	<5.0	<5.0	<5.0	<5.0
	1/19/2017 (3)	--	--	--	--	--	--	--	--	--
SG-21 (DUP-01)	3/14/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
SG-21 (DUP-02)	11/29/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
SG-22 (6-6.5')	10/2/2014	**120**	<20	<20	<20	<40	**230**	**7,000**	**6,200**	<20
	11/3/2014	**81**	<20	<20	<20	<40	**160**	**5,100**	**4,500**	<20
	3/30/2015	**63**	<20	<20	<20	<40	**100**	**2,800**	**2,300**	<20
	6/18/2015	**200**	<10	<10	**36**	<20	**330**	**6,100**	**6,300**	<10
	9/15/2015	**140**	<10	<10	**21**	<20	**470**	**6,900**	**6,900**	<10
	10/30/2015	**110**	<1.0	**2.3**	**16**	<2.0	**250**	**5,400**	**6,500**	<1.0
	5/9/2016	**32**	<1.0	<1.0	**3.6**	<2.0	**66**	**2,100**	**2,300**	<1.0
	8/26/2016	**110**	<1.0	**4.0**	**17**	<2.0	**310**	**3,600**	**3,600**	<1.0
	10/12/2016	**180**	<25	<25	<25	<50	**360**	**5,200**	**6,700**	<25
	1/24/2017	**58**	<5.0	<5.0	**6.6**	<10	**110**	**2,200**	**2,200**	<5.0
	4/13/2017	**50**	<5.0	<5.0	<5.0	<10	**130**	**2,000**	**2,400**	<5.0

Notes:

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2) 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.
3) Elevated concentrations of tracer detected. Analytical data for other analytes are presumed to be invalid (--).
4) Elevated detection limit due to siloxane contamination in sample.
5) Water in sample point prevented sample collection.
6) Quality control results are outside the established control limits, the result is approximate.
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Bold font denotes concentrations detected above laboratory reporting limits.

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Tecumseh, Michigan

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
MDEQ Residential Sub-Slab SGSL (1)		4,100	8.2	1,700	58	580	170	36,000	12	21
MDEQ Residential Deep SGSL (1)		41,000	82	17,000	580	5,800	1,700	360,000	120	210
MDEQ Non-Residential Sub-Slab SGSL (1)		69,000	160	28,000	980	9,800	3,300	610,000	210	1,500
MDEQ Non-Residential Deep SGSL (1)		690,000	1,600	280,000	9,800	98,000	33,000	6,100,000	2,100	15,000
Units		ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
SG-23 (5-5.5')	10/2/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	11/3/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**2.3**	<1.0	<1.0	<1.0
	3/30/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	6/18/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	**4.1**	<1.0
	9/15/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
SG-23 (DUP-01)	10/2/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
SG-24 (5-5.5')	10/2/2014	<1.0	<1.0	<1.0	<1.0	<2.0	**3.2**	<1.0	<1.0	<1.0
	11/3/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	**3.3**	<1.0
	3/30/2015 (10)	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	6/18/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**2.0**	**2.1**	<1.0
	9/15/2015	<1.0	<1.0	<1.0	<1.0	<2.0	**1.3**	<1.0	<1.0	<1.0
SG-25 (5-5.5')	10/2/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**210**	**58**	<1.0
	11/3/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**140**	**34**	<1.0
	3/30/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**8.5**	**4.9**	<1.0
	6/18/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**84**	**20**	<1.0
	9/15/2015	<1.0	<1.0	<1.0	<1.0	<2.0	**1.9**	**120**	**26**	<1.0
	10/30/2015 (8)	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**120**	**38**	<1.0
	5/9/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**70**	**21**	<1.0
	8/26/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**160**	**60**	<1.0
	10/12/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**140**	**36**	<1.0
	1/24/2017	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**18**	**6.0**	<5.0
	4/13/2017	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**38**	**13**	<1.0
SG-26 (7.5-8')	5/10/2016	**6.0**	<1.0	<1.0	**100**	**38**	<1.0	<1.0	<1.0	<1.0
	8/26/2016	**5.2**	<1.0	<1.0	**84**	**31**	<1.0	<1.0	<1.0	<1.0
	10/14/2016	**5.9**	<1.0	<1.0	**84**	**32**	<1.0	<1.0	<1.0	<1.0
	1/19/2017	**2.9**	<1.0	<1.0	**51**	**23**	<1.0	<1.0	<1.0	<1.0
	4/13/2017	**3.3**	<1.0	<1.0	**34**	**20**	<1.0	<1.0	<1.0	<1.0
MHC-01 (0.5-1.0')	3/30/2015	**2.2**	<1.0	<1.0	<1.0	<2.0	<1.0	**96**	**44**	<1.0
	6/18/2015	**8.7**	<1.0	<1.0	<1.0	<2.0	**8.6**	**450**	**360**	<1.0
	9/15/2015	**3.2**	<1.0	<1.0	<1.0	<2.0	**2.5**	**310**	**190**	<1.0
	10/30/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**15**	**1.7**	<1.0

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Units		ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
TVP-02s (10-10.5')	6/27/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**1.2**	**8.8**	<1.0
	10/1/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	**1.2**	<1.0
	11/28/2012	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/18/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/23/2013 (4)	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0
	8/8/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	11/12/2013	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/26/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	5/19/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	7/23/2014 (8)	<1.0	<1.0	<1.0	<1.0	<2.0	**18**	**2.9**	**20**	<1.0
	11/3/2014	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	3/30/2015	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	6/17/2015	<1.0	<1.0	<1.0	**1.4**	<2.0	<1.0	<1.0	**11**	<1.0
	5/9/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	8/25/2016	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
	10/12/2016	<10	<5.0	<5.0	<10	<10	<5.0	<5.0	<5.0	<5.0
	1/24/2017	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	**3.0**	**2.9**	<1.0

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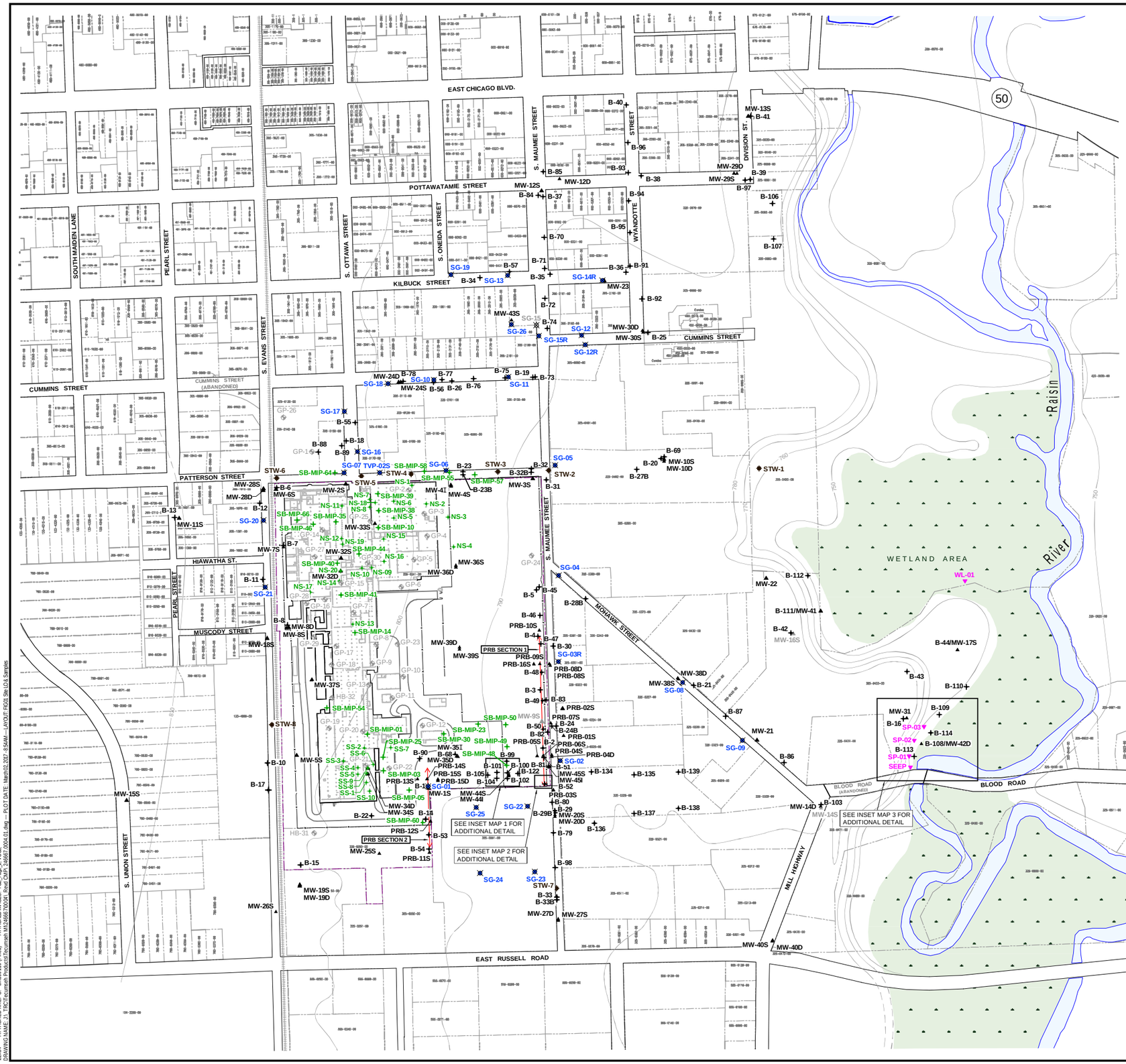
Figure

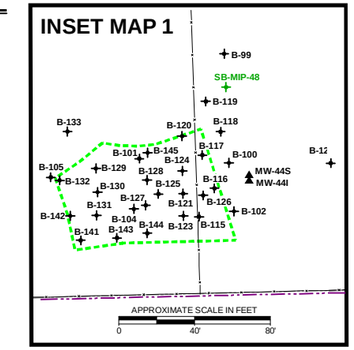


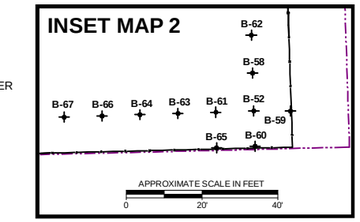
LEGEND

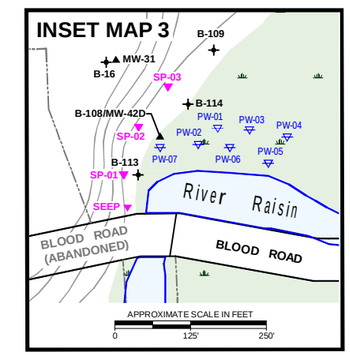
- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- PARCEL BOUNDARY
- RAILROAD TRACKS (APPROXIMATE LOCATION)
- 750 — APPROXIMATE GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP
- B-2 — PERIMETER / OFF-SITE INVESTIGATION SOIL BORING LOCATION AND NUMBER
- MW-4S — MONITORING WELL LOCATION AND NUMBER
- MW-9S — DECOMMISSIONED MONITORING WELL LOCATION AND NUMBER
- SS-2 — SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
- SG-02 — SOIL GAS SAMPLE LOCATION AND NUMBER
- SG-15 — DECOMMISSIONED SOIL GAS SAMPLE LOCATION AND NUMBER
- STW-2 — STORM WATER SEWER SAMPLE LOCATION AND NUMBER
- WL-01 — APPROXIMATE SURFACE WATER SAMPLE LOCATION AND NUMBER
- PW-03 — PORE WATER SAMPLE LOCATION AND NUMBER
- GP-2 — ATC PHASE II ESA BORING LOCATION AND NUMBER
- FLOODPLAIN / WOODED WETLAND AREA
- PRB LOCATION
- FENCE LINE
- LATERAL EXTENT OF PCE SOIL SOURCE REMOVED (SEE INSET MAP 1)

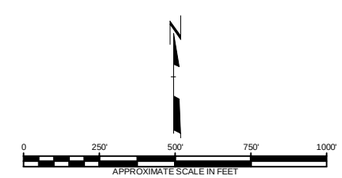
NOTES

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.
3. SURFACE WATER FEATURES TAKEN FROM GEOREFERENCED HIGH RESOLUTION GOOGLE EARTH IMAGERY, DATED APRIL 2013. FEATURES SHOWN ARE APPROXIMATE.
4. SITE FEATURES LOCATED HORIZONTALLY USING THE STATE PLANE COORDINATE SYSTEM RELATIVE TO THE NORTH AMERICAN DATUM OF 1983 (NAD83), INTERNATIONAL FEET, MICHIGAN ZONE SOUTH.
5. ON-SITE SAMPLE DENSITY IS TOO GREAT TO ILLUSTRATE ALL ON-SITE SAMPLE LOCATIONS. SEE FIGURE 12 OF THE REVISED CORRECTIVE MEASURES PROPOSAL FOR AN ON-SITE SAMPLE LOCATION MAP.









NO.	BY	DATE	REVISION	APP'D.
2	DGS	02/13/17	ADD 2016 MONITORING WELLS, PCE EXCAVATION AREA, NOTE 5	SEM
1	DGS	5/18/16	ADD B-134 THROUGH B-139, ADJUST RIVER LOCATION	SEM

PROJECT:
FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN

TITLE:
SITE LAYOUT AND OFF-SITE SAMPLE LOCATIONS

DRAWN BY:	DStehle	PROJ. NO.:	246667.0004
CHECKED BY:	SMetz		**FIGURE 1**
APPROVED BY:	GCrockford		
DATE:	FEBRUARY 2017		

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www.trcsolutions.com

FILE NO.: 246667.0004.01.DWG

22x34 -- ATTACHED XREF'S: bnd10110 (Filled) -- ATTACHED IMAGES: TQE_Page 1; VOCs
DRAWING NAME: J:\TRC\Tecumseh Products\Tecumseh MI\246667\0004.01.dwg -- PLOT DATE: March02, 2017 - 8:54AM -- LAYOUT: FIG01 Site LO & Samples

Attachment 1
Laboratory Analytical Data

H&P Mobile Geochemistry Inc.

27 April 2017

Ms. Stacy Metz
TRC Solutions - MI
1540 Eisenhower Place
Ann Arbor, MI 48108

H&P Project: TRC041717-11
Client Project: 004308.0001 Phase 1 / Tecumseh, MI

Dear Ms. Stacy Metz:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 17-Apr-17 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Janis La Roux
Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the California ELAP and the National Environmental Laboratory Accreditation Conference (NELAC). H&P is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs, accreditation number 69070 for EPA Method TO-15, H&P Method TO-15, EPA Method 8260B and H&P 8260SV.

H&P Mobile
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TRC Solutions - MI	Project:	TRC041717-11	
1540 Eisenhower Place	Project Number:	004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager:	Ms. Stacy Metz	27-Apr-17 13:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DUP-01	E704070-01	Vapor	13-Apr-17	17-Apr-17
SG-01	E704070-02	Vapor	13-Apr-17	17-Apr-17
SG-09	E704070-03	Vapor	13-Apr-17	17-Apr-17
SG-08	E704070-04	Vapor	13-Apr-17	17-Apr-17
SG-26	E704070-05	Vapor	13-Apr-17	17-Apr-17
SG-10	E704070-06	Vapor	13-Apr-17	17-Apr-17
SG-11	E704070-07	Vapor	13-Apr-17	17-Apr-17
SG-06	E704070-08	Vapor	13-Apr-17	17-Apr-17
SG-07	E704070-09	Vapor	13-Apr-17	17-Apr-17

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DETECTIONS SUMMARY

Sample ID: **DUP-01** Laboratory ID: **E704070-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**75000**	250	ppbv	H&P TO-15	

Sample ID: **SG-01** Laboratory ID: **E704070-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**65000**	50	ppbv	H&P TO-15	E

Sample ID: **SG-09** Laboratory ID: **E704070-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**4.0**	2.0	ppbv	EPA TO-15	
1,1,1-Trichloroethane	**5.6**	1.0	ppbv	EPA TO-15	
Trichloroethene	**30**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-08** Laboratory ID: **E704070-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**60**	2.0	ppbv	EPA TO-15	

Sample ID: **SG-26** Laboratory ID: **E704070-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**6.8**	2.0	ppbv	EPA TO-15	
trans-1,2-Dichloroethene	**20**	2.0	ppbv	EPA TO-15	
1,1-Dichloroethane	**3.3**	1.0	ppbv	EPA TO-15	
cis-1,2-Dichloroethene	**34**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-10** Laboratory ID: **E704070-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**12**	2.0	ppbv	EPA TO-15	

Sample ID: **SG-11** Laboratory ID: **E704070-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**4.7**	2.0	ppbv	EPA TO-15	

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Sample ID: **SG-06** Laboratory ID: **E704070-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**17**	2.0	ppbv	EPA TO-15	

Sample ID: **SG-07** Laboratory ID: **E704070-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**7.2**	2.0	ppbv	EPA TO-15	
1,1,1-Trichloroethane	**4.4**	1.0	ppbv	EPA TO-15	
Trichloroethene	**130**	1.0	ppbv	EPA TO-15	
Tetrachloroethene	**71**	1.0	ppbv	EPA TO-15	

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Volatile Organic Compounds by H&P Method TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DUP-01 (E704070-01) Vapor Sampled: 13-Apr-17 Received: 17-Apr-17									
1,1-Difluoroethane (LCC)	**75000**	250	ppbv	25	ED72106	21-Apr-17	21-Apr-17	H&P TO-15	
Vinyl chloride	ND	120	"	"	"	"	"	"	
1,1-Dichloroethene	ND	120	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	250	"	"	"	"	"	"	
1,1-Dichloroethane	ND	250	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	250	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	120	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	120	"	"	"	"	"	"	
Trichloroethene	ND	120	"	"	"	"	"	"	
Tetrachloroethene	ND	120	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*67-141*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.9 %*	*56-127*		"	"	"	"	
SG-01 (E704070-02) Vapor Sampled: 13-Apr-17 Received: 17-Apr-17									
1,1-Difluoroethane (LCC)	**65000**	50	ppbv	5	ED72106	21-Apr-17	21-Apr-17	H&P TO-15	E
Vinyl chloride	ND	25	"	"	"	"	"	"	
1,1-Dichloroethene	ND	25	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	25	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	25	"	"	"	"	"	"	
Trichloroethene	ND	25	"	"	"	"	"	"	
Tetrachloroethene	ND	25	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*67-141*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.9 %*	*56-127*		"	"	"	"	

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Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	27-Apr-17 13:44

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-09 (E704070-03) Vapor Sampled: 13-Apr-17 Received: 17-Apr-17									
1,1-Difluoroethane (LCC)	**4.0**	2.0	ppbv	1	ED72006	20-Apr-17	20-Apr-17	EPA TO-15	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	**5.6**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**30**	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*76-134*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*78-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.9 %*	*77-127*		"	"	"	"	
SG-08 (E704070-04) Vapor Sampled: 13-Apr-17 Received: 17-Apr-17									
1,1-Difluoroethane (LCC)	**60**	2.0	ppbv	1	ED72006	20-Apr-17	20-Apr-17	EPA TO-15	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*76-134*		"	"	"	"	
Surrogate: Toluene-d8		*107 %*	*78-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.0 %*	*77-127*		"	"	"	"	

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Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	27-Apr-17 13:44

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-26 (E704070-05) Vapor Sampled: 13-Apr-17 Received: 17-Apr-17									
1,1-Difluoroethane (LCC)	**6.8**	2.0	ppbv	1	ED72006	20-Apr-17	20-Apr-17	EPA TO-15	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**20**	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	**3.3**	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**34**	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*76-134*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*78-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.3 %*	*77-127*		"	"	"	"	
SG-10 (E704070-06) Vapor Sampled: 13-Apr-17 Received: 17-Apr-17									
1,1-Difluoroethane (LCC)	**12**	2.0	ppbv	1	ED72006	20-Apr-17	20-Apr-17	EPA TO-15	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*113 %*	*76-134*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*78-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.9 %*	*77-127*		"	"	"	"	

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1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	27-Apr-17 13:44

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-11 (E704070-07) Vapor Sampled: 13-Apr-17 Received: 17-Apr-17									
1,1-Difluoroethane (LCC)	**4.7**	2.0	ppbv	1	ED72006	20-Apr-17	20-Apr-17	EPA TO-15	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*114 %*	*76-134*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*78-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.0 %*	*77-127*		"	"	"	"	
SG-06 (E704070-08) Vapor Sampled: 13-Apr-17 Received: 17-Apr-17									
1,1-Difluoroethane (LCC)	**17**	2.0	ppbv	1	ED72006	20-Apr-17	20-Apr-17	EPA TO-15	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*113 %*	*76-134*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*78-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.9 %*	*77-127*		"	"	"	"	

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Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	27-Apr-17 13:44

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-07 (E704070-09) Vapor Sampled: 13-Apr-17 Received: 17-Apr-17									
1,1-Difluoroethane (LCC)	**7.2**	2.0	ppbv	1	ED72006	20-Apr-17	21-Apr-17	EPA TO-15	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	**4.4**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**130**	1.0	"	"	"	"	"	"	
Tetrachloroethene	**71**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*113 %*	*76-134*		"	"	"	"	
Surrogate: Toluene-d8		*107 %*	*78-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.5 %*	*77-127*		"	"	"	"	

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Volatile Organic Compounds by H&P Method TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED72106 - TO-15										
Blank (ED72106-BLK1)				Prepared & Analyzed: 21-Apr-17						
1,1-Difluoroethane (LCC)	ND	10	ppbv							
Vinyl chloride	ND	5.0	"							
1,1-Dichloroethene	ND	5.0	"							
trans-1,2-Dichloroethene	ND	10	"							
1,1-Dichloroethane	ND	10	"							
cis-1,2-Dichloroethene	ND	10	"							
1,1,1-Trichloroethane	ND	5.0	"							
1,2-Dichloroethane (EDC)	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
Surrogate: 1,2-Dichloroethane-d4	*208*		*"*	*207*		*100*	*67-141*			
Surrogate: Toluene-d8	*221*		*"*	*208*		*106*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*178*		*"*	*212*		*84.3*	*56-127*			
LCS (ED72106-BS1)				Prepared & Analyzed: 21-Apr-17						
Vinyl chloride	40	5.0	ppbv	50.1		80.2	65-135			
1,1-Dichloroethene	38	5.0	"	50.1		75.2	65-135			
trans-1,2-Dichloroethene	43	10	"	50.1		84.9	65-135			
1,1-Dichloroethane	41	10	"	50.2		81.0	65-135			
cis-1,2-Dichloroethene	36	10	"	50.1		71.6	65-135			
1,1,1-Trichloroethane	39	5.0	"	50.1		76.9	65-135			
1,2-Dichloroethane (EDC)	41	5.0	"	50.2		81.5	65-135			
Trichloroethene	39	5.0	"	50.0		78.8	65-135			
Tetrachloroethene	42	5.0	"	50.1		84.6	65-135			
Surrogate: 1,2-Dichloroethane-d4	*208*		*"*	*207*		*100*	*67-141*			
Surrogate: Toluene-d8	*215*		*"*	*208*		*103*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*209*		*"*	*212*		*98.7*	*56-127*			

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TRC Solutions - MI	Project: TRC041717-11	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	27-Apr-17 13:44

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED72006 - TO-15										
Blank (ED72006-BLK1)				Prepared & Analyzed: 20-Apr-17						
1,1-Difluoroethane (LCC)	ND	2.0	ppbv							
Vinyl chloride	ND	1.0	"							
1,1-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	2.0	"							
1,1-Dichloroethane	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
1,2-Dichloroethane (EDC)	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	*56.0*		*"*	*50.2*		*112*	*76-134*			
Surrogate: Toluene-d8	*53.0*		*"*	*49.8*		*106*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*46.1*		*"*	*50.2*		*91.8*	*77-127*			
LCS (ED72006-BS1)				Prepared & Analyzed: 20-Apr-17						
Vinyl chloride	19	1.0	ppbv	20.1		96.3	64-127			
1,1-Dichloroethene	17	1.0	"	20.1		84.1	61-133			
trans-1,2-Dichloroethene	15	2.0	"	20.1		76.9	67-124			
1,1-Dichloroethane	17	1.0	"	20.1		82.6	68-126			
cis-1,2-Dichloroethene	16	1.0	"	19.9		80.5	70-121			
1,1,1-Trichloroethane	21	1.0	"	20.2		102	68-125			
1,2-Dichloroethane (EDC)	21	1.0	"	20.1		103	65-128			
Trichloroethene	20	1.0	"	20.1		101	71-123			
Tetrachloroethene	18	1.0	"	20.0		92.0	66-124			
Surrogate: 1,2-Dichloroethane-d4	*56.2*		*"*	*50.2*		*112*	*76-134*			
Surrogate: Toluene-d8	*49.9*		*"*	*49.8*		*100*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*47.4*		*"*	*50.2*		*94.3*	*77-127*			

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TRC Solutions - MI	Project: TRC041717-11	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	27-Apr-17 13:44

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED72006 - TO-15										
LCS Dup (ED72006-BSD1)				Prepared & Analyzed: 20-Apr-17						
Vinyl chloride	19	1.0	ppbv	20.1		96.5	64-127	0.259	25	
1,1-Dichloroethene	18	1.0	"	20.1		87.7	61-133	4.11	25	
trans-1,2-Dichloroethene	15	2.0	"	20.1		77.1	67-124	0.259	25	
1,1-Dichloroethane	17	1.0	"	20.1		84.2	68-126	1.97	25	
cis-1,2-Dichloroethene	16	1.0	"	19.9		82.8	70-121	2.83	25	
1,1,1-Trichloroethane	21	1.0	"	20.2		103	68-125	1.16	25	
1,2-Dichloroethane (EDC)	21	1.0	"	20.1		103	65-128	0.435	25	
Trichloroethene	20	1.0	"	20.1		101	71-123	0.246	25	
Tetrachloroethene	19	1.0	"	20.0		92.9	66-124	1.03	25	
Surrogate: 1,2-Dichloroethane-d4	*57.3*		*"*	*50.2*		*114*	*76-134*			
Surrogate: Toluene-d8	*49.6*		*"*	*49.8*		*99.6*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*47.9*		*"*	*50.2*		*95.3*	*77-127*			

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TRC Solutions - MI	Project:	TRC041717-11	
1540 Eisenhower Place	Project Number:	004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager:	Ms. Stacy Metz	27-Apr-17 13:44

Notes and Definitions

E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).
LCC	Leak Check Compound
ND	Analyte NOT DETECTED at or above the reporting limit
MDL	Method Detection Limit
%REC	Percent Recovery
RPD	Relative Percent Difference

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs, accreditation number 69070 for EPA Method TO-15, H&P Method TO-15, EPA Method 8260B and H&P 8260SV.

H&P is approved by the State of Arizona as an Environmental Testing Laboratory and Mobile Laboratory, certification numbers AZM758 and AZ0779.

H&P is approved by the State of California as an Environmental Laboratory and Mobile Laboratory in conformance with the Environmental Laboratory Accreditation Program (ELAP) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste, certification numbers 2740, 2741, 2743, 2744, 2745, 2754 & 2930.

H&P is approved by the State of Florida Department of Health under the National Environmental Laboratory Accreditation Conference (NELAC) certification number E871100.

The complete list of stationary and mobile laboratory certifications along with the fields of testing (FOTs) and analyte lists are available at www.handpmg.com/about/certifications.

H&P Mobile Geochemistry Inc.
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& Field Office - Signal Hill, CA
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VAPOR / AIR Chain of Custody

DATE: 4/13/17
Page 1 of 1

Lab Client and Project Information

Lab Client/Consultant:	TRC Solutions	Project Name / #:	004308.0001 Phase 1
Lab Client Project Manager:	Stacy Metz	Project Location:	Tecumseh, MI
Lab Client Address:	1540 Eisenhower Pl	Report E-Mail(s):	mpowers@trcsolutions.com
Lab Client City, State, Zip:	Ann Arbor, MI 48108		smetz@trcsolutions.com
Phone Number:	734-585-7825		

Reporting Requirements	Turnaround Time	Sampler Information
☒ Standard Report ☐ Level III ☐ Level IV	☒ 5-7 day Stnd ☐ 24-Hr Rush	Sampler(s): J. Krenz M. Powers
☒ Excel EDD ☐ Other EDD:	☐ 3-day Rush ☐ Mobile Lab	Signature:
☐ CA Geotracker Global ID:	☐ 48-Hr Rush ☐ Other:	Date: 4/13/17

Sample Receipt (Lab Use Only)

Date Rec'd: 4/17/17	Control #: 170306.01
H&P Project #	TRC041717-11
Lab Work Order #	E704070
Sample Intact:	☒ Yes ☐ No ☐ See Notes Below
Receipt Gauge ID: 11167	Temp: RT
Outside Lab:	
Receipt Notes/Tracking #:	0263 7862 3583 5181
Lab PM Initials:	SRN

Additional Instructions to Laboratory:

☒ Check if Project Analyte List is Included:

* Preferred VOC units (please choose one):

☐ µg/L ☐ µg/m³ ☒ ppbv ☐ ppmv

Purchase Order #103213

Project Analyte List: PCE, TCE, 1,1-DCE, 1,2-cis-DCE, 1,2-trans-DCE, vinyl chloride, 1,1,1-TCA, 1,1-DCA, 1,2-DCA and the tracer 1,1-DFA (screen by 82620SV, TO-15 if applicable)

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☐ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SVm ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☒ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2	VOCs Per Additional Instructions			
DIP-01		4-13-17	—	SV	1L	425	1.27							X			X			
SG-01		4-13-17	8:14	SV	1L	418	1.07							X			X			
SG-09		4-13-17	9:57	SV	1L	440	-2.14							X			X			
SG-08		4-13-17	10:27	SV	1L	197	.93							X			X			
SG-26		4-13-17	11:01	SV	1L	441	-3.21							X			X			
SG-10		4-13-17	12:06	SV	1L	179	-2.64							X			X			
SG-11		4-13-17	12:41	SV	1L	172	.48							X			X			
SG-06		4-13-17	13:07	SV	1L	117	.46							X			X			
SG-07		4-13-17	13:33	SV	1L	200	-1.63							X			X			

Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Matthew Powers	TRC	4/13/17	14:50	FedEx	FedEx	4/13/17	14:50
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
	FedEx			Jon Unsworth	H&P	4/17/17	9:40
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

H&P Mobile Geochemistry Inc.

27 April 2017

Ms. Stacy Metz
TRC Solutions - MI
1540 Eisenhower Place
Ann Arbor, MI 48108

H&P Project: TRC041717-16
Client Project: 004308.0001 Phase 1 / Tecumseh, MI

Dear Ms. Stacy Metz:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 17-Apr-17 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Janis La Roux
Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the California ELAP and the National Environmental Laboratory Accreditation Conference (NELAC). H&P is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs, accreditation number 69070 for EPA Method TO-15, H&P Method TO-15, EPA Method 8260B and H&P 8260SV.

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TRC Solutions - MI	Project:	TRC041717-16	
1540 Eisenhower Place	Project Number:	004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager:	Ms. Stacy Metz	27-Apr-17 14:17

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG-22	E704071-01	Vapor	13-Apr-17	17-Apr-17
SG-25	E704071-02	Vapor	13-Apr-17	17-Apr-17

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TRC Solutions - MI	Project: TRC041717-16	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	27-Apr-17 14:17

DETECTIONS SUMMARY

Sample ID: **SG-22** Laboratory ID: **E704071-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethane	**50**	5.0	ppbv	EPA TO-15	
1,1,1-Trichloroethane	**2000**	5.0	ppbv	EPA TO-15	
Trichloroethene	**2400**	5.0	ppbv	EPA TO-15	
Tetrachloroethene	**130**	5.0	ppbv	EPA TO-15	

Sample ID: **SG-25** Laboratory ID: **E704071-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**3.0**	2.0	ppbv	EPA TO-15	
1,1,1-Trichloroethane	**38**	1.0	ppbv	EPA TO-15	
Trichloroethene	**13**	1.0	ppbv	EPA TO-15	

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Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	27-Apr-17 14:17

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-22 (E704071-01) Vapor Sampled: 13-Apr-17 Received: 17-Apr-17									
1,1-Difluoroethane (LCC)	ND	10	ppbv	5	ED72006	20-Apr-17	21-Apr-17	EPA TO-15	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	10	"	"	"	"	"	"	
1,1-Dichloroethane	**50**	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	**2000**	5.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	5.0	"	"	"	"	"	"	
Trichloroethene	**2400**	5.0	"	"	"	"	"	"	
Tetrachloroethene	**130**	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*76-134*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*78-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.4 %*	*77-127*		"	"	"	"	
SG-25 (E704071-02) Vapor Sampled: 13-Apr-17 Received: 17-Apr-17									
1,1-Difluoroethane (LCC)	**3.0**	2.0	ppbv	1	ED72006	20-Apr-17	21-Apr-17	EPA TO-15	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	**38**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**13**	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*76-134*		"	"	"	"	
Surrogate: Toluene-d8		*107 %*	*78-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.4 %*	*77-127*		"	"	"	"	

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1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	27-Apr-17 14:17

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED72006 - TO-15										
Blank (ED72006-BLK1)				Prepared & Analyzed: 20-Apr-17						
1,1-Difluoroethane (LCC)	ND	2.0	ppbv							
Vinyl chloride	ND	1.0	"							
1,1-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	2.0	"							
1,1-Dichloroethane	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
1,2-Dichloroethane (EDC)	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	*56.0*		*"*	*50.2*		*112*	*76-134*			
Surrogate: Toluene-d8	*53.0*		*"*	*49.8*		*106*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*46.1*		*"*	*50.2*		*91.8*	*77-127*			
LCS (ED72006-BS1)				Prepared & Analyzed: 20-Apr-17						
Vinyl chloride	19	1.0	ppbv	20.1		96.3	64-127			
1,1-Dichloroethene	17	1.0	"	20.1		84.1	61-133			
trans-1,2-Dichloroethene	15	2.0	"	20.1		76.9	67-124			
1,1-Dichloroethane	17	1.0	"	20.1		82.6	68-126			
cis-1,2-Dichloroethene	16	1.0	"	19.9		80.5	70-121			
1,1,1-Trichloroethane	21	1.0	"	20.2		102	68-125			
1,2-Dichloroethane (EDC)	21	1.0	"	20.1		103	65-128			
Trichloroethene	20	1.0	"	20.1		101	71-123			
Tetrachloroethene	18	1.0	"	20.0		92.0	66-124			
Surrogate: 1,2-Dichloroethane-d4	*56.2*		*"*	*50.2*		*112*	*76-134*			
Surrogate: Toluene-d8	*49.9*		*"*	*49.8*		*100*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*47.4*		*"*	*50.2*		*94.3*	*77-127*			

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Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED72006 - TO-15										
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Vinyl chloride	19	1.0	ppbv	20.1		96.5	64-127	0.259	25	
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trans-1,2-Dichloroethene	15	2.0	"	20.1		77.1	67-124	0.259	25	
1,1-Dichloroethane	17	1.0	"	20.1		84.2	68-126	1.97	25	
cis-1,2-Dichloroethene	16	1.0	"	19.9		82.8	70-121	2.83	25	
1,1,1-Trichloroethane	21	1.0	"	20.2		103	68-125	1.16	25	
1,2-Dichloroethane (EDC)	21	1.0	"	20.1		103	65-128	0.435	25	
Trichloroethene	20	1.0	"	20.1		101	71-123	0.246	25	
Tetrachloroethene	19	1.0	"	20.0		92.9	66-124	1.03	25	
Surrogate: 1,2-Dichloroethane-d4	*57.3*		*"*	*50.2*		*114*	*76-134*			
Surrogate: Toluene-d8	*49.6*		*"*	*49.8*		*99.6*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*47.9*		*"*	*50.2*		*95.3*	*77-127*			

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TRC Solutions - MI	Project: TRC041717-16	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	27-Apr-17 14:17

Notes and Definitions

LCC	Leak Check Compound
ND	Analyte NOT DETECTED at or above the reporting limit
MDL	Method Detection Limit
%REC	Percent Recovery
RPD	Relative Percent Difference

Appendix

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VAPOR / AIR Chain of Custody

DATE: 4/13/17
Page 1 of 1

Lab Client and Project Information

Lab Client/Consultant:	TRC Solutions	Project Name / #:	004308.0001 Phase 1
Lab Client Project Manager:	Stacy Metz	Project Location:	Tecumseh, MI
Lab Client Address:	1540 Eisenhower Pl	Report E-Mail(s):	mpowers@trcsolutions.com
Lab Client City, State, Zip:	Ann Arbor, MI 48108		smetz@trcsolutions.com
Phone Number:	734-585-7825		

Sample Receipt (Lab Use Only)

Date Rec'd: 4/17/17 Control #: 170306.02
H&P Project # TRC041717-16
Lab Work Order # E704071
Sample Intact: ☒ Yes ☐ No ☐ See Notes Below
Receipt Gauge ID: 11167 Temp: RT
Outside Lab:
Receipt Notes/Tracking #: 0201 7862 3583 5170
Lab PM Initials: SRN

Reporting Requirements

☒ Standard Report ☐ Level III ☐ Level IV
☒ Excel EDD ☐ Other EDD:
☐ CA Geotracker Global ID:

Turnaround Time

☒ 5-7 day Stnd ☐ 24-Hr Rush
☐ 3-day Rush ☐ Mobile Lab
☐ 48-Hr Rush ☐ Other:

Sampler Information

Sampler(s): M. Powers / J. Kreuz
Signature: Melissa Powers
Date: 4/13/17

Additional Instructions to Laboratory:
☒ Check if Project Analyte List is Included:
* Preferred VOC units (please choose one):
☐ µg/L ☐ µg/m³ ☒ ppbv ☐ ppmv

Purchase Order #103213

Project Analyte List: PCE, TCE, 1,1-DCE, 1,2-cis-DCE, 1,2-trans-DCE, vinyl chloride, 1,1,1-TCA, 1,1-DCA, 1,2-DCA and the tracer 1,1-DFA (screen by 82620SV, TO-15 if applicable)

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar	CONTAINER ID (####)	Lab use only: Receipt Vac	VOCs Standard Full List ☐ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SV/m ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SV/m ☐ TO-15m	Leak Check Compound ☒ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2	VOCs Per Additional Instructions			
SG-22		4-13-17	0931	SV	1L	436	-.46							X			X			
SG-25		4-13-17	0858	SV	1L	311	-1.17							X			X			

Approved/Relinquished by: Melissa Powers	Company: TRC	Date: 4/13/17	Time: 14:50	Received by: FedEx	Company: FedEx	Date: 4/13/17	Time: 14:50
Approved/Relinquished by:	Company: FedEX	Date:	Time:	Received by: Jori Unsworth	Company: H&P	Date: 4/17/17	Time: 9:40
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

Attachment 2
Data Quality Assurance

Technical Memorandum

Laboratory Data Quality Review

April 2017 Soil Gas Sample Event
Former Tecumseh Products Company Site
Tecumseh, Michigan

Eleven soil gas samples, including one duplicate sample, were collected by TRC on April 13, 2017. The samples were analyzed by H&P Mobile Geochemistry, Inc., located in Carlsbad, California. The samples were analyzed for volatile organic compounds (VOCs) using USEPA Method TO-15 or H&P TO-15 following procedures specified in the Quality Assurance Project Plan (QAPP) for the Tecumseh Products Company Site in Tecumseh, Michigan. TRC performed a data quality review of the laboratory data contained in laboratory reports TRC041717-11and TRC041717-16. The following sections summarize the data quality review procedure and the results of the review.

Data Quality Review Procedure

The analytical data were reviewed using the USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2016) and the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air (USEPA, 1999). The USEPA National Functional Guidelines were written for solid and aqueous samples and for Contract Laboratory Program (CLP) methods. Professional judgment was used in applying the guidance to the soil gas matrix for the non-CLP methodology (i.e., TO-15). The following items were included in the evaluation of the data:

- Consistency between laboratory report, electronic data deliverables (EDD), and chain-of-custody (COC)
- Sample condition upon receipt
- Technical holding times for analyses
- Results for method blanks, laboratory control samples (LCS), and LCS duplicates (LCSD)
- Surrogate recoveries
- Field duplicate precision
- Sensitivity (i.e., achievement of required reporting limits [RLs])
- Overall usability of the data

This data quality review addresses the following items:

- Usability of the data if quality control (QC) results suggest potential problems with all or some of the data;
- Potential sample contamination due to blank contributions; and
- Actions regarding specific QC criteria exceedances

Findings

The procedures specified in the method 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 QC results and evaluation.

- Samples were intact upon arrival to the laboratory.
- The laboratory met the technical holding time of 30 days for all samples.
- Contaminants were not detected in the method blanks.
- The laboratory performed one LCS and/or LCSD per analytical batch. LCS/LCSD recoveries and relative percent differences (RPDs) met QC limits.
- Surrogate recoveries met QC limits for all samples.
- Analyte 1,1-difluoroethane is used as a semi-quantitative tracer to assess the presence and magnitude of leaks during sample collection. Corrective action is triggered when the level of 1,1-difluoroethane exceeds 50,000 parts per billion by volume (ppbv).[2] **1,1-difluoroethane was above 50,000 ppbv in of the following samples: SG-01 and DUP-01. These concentrations of tracer indicate that a leak greater than 10-percent may have occurred, and sample results are likely biased low. The data for other analytes in these samples are considered invalid and are not usable.**
- The laboratory noted that the concentration of 1,1-difluoroethane was an estimated value above the calibration range of the instrument. The laboratory flagged the 1,1-difluoroethane result estimated "E" in sample SG-01. 1,1-Difluoroethane is used as a semi-quantitative tracer as described above; the "E"-flag does not affect the usability of this 1,1-difluoroethane datum for that purpose.
- One field duplicate sample pair was collected. DUP-01 corresponded with SG-01. The data for DUP-01 and SG-01 are invalid due to the elevated concentration of the tracer. Therefore, the blind field duplicate evaluation for that sample/duplicate pair is not possible.
- A 5-fold dilutions was performed on sample SG-22 due to elevated 1,1,1-trichloroethane and trichloroethene concentrations which would have exceeded the calibration range if analyzed undiluted. Reporting limits for the remaining parameters are within project criteria; there was no adverse effect on the usability of the data due to this dilution.

Prepared by: Mellisa Powers
Reviewed by: Stacy Metz

[2] Corrective action is triggered when the level of 1,1-difluoroethane exceeds 50,000 ppbv if tracer is applied using the rag method or 500,000 ppbv if tracer is applied using the container method.

Appendix B
Summary of the Second Quarter 2017 Groundwater Monitoring Event

Technical Memorandum

To:	Jason Smith, Tecumseh Products Company
From:	Stacy Metz and Graham Crockford, TRC
Subject:	Summary of the Second Quarter 2017 Groundwater Monitoring Event: Former Tecumseh Products Company Site in Tecumseh, Michigan (RCRA-05-2010-0012)
Date:	July 12, 2017
cc:	Chris DeWetter, Tecumseh Products Company Douglas McClure, Conlin, McKenney & Philbrick, PC
Project No.:	004304.0001.0000, Phase 2

Tecumseh Products Company (TPC) retained TRC Environmental Corporation (TRC), to investigate soil and groundwater conditions at the former TPC site located in Tecumseh, Michigan. TRC is assisting TPC with investigative activities for the site in accordance with the RCRA Administrative Order on Consent ("AOC") (RCRA 05-2010-0012).

Extensive investigation activities have been conducted to define the nature and extent of groundwater contamination in the vicinity of the site. Results of previous investigation activities were documented as they became available in a series of technical memoranda and reports. These investigation activities included the installation of 82 groundwater monitoring wells, and 13 temporary monitoring points. This Technical Memorandum documents groundwater sampling activities conducted during the second quarter of 2017 and the associated data quality review.

Summary of Field Activities

The Revised Corrective Measures Proposal (CMP), which was submitted the USEPA on March 6, 2017, included a revised groundwater and surface water monitoring program. This revised program is described in Section 13 and summarized in Table 14 of the Revised CMP. During the second quarter 2017 sampling event, groundwater and surface water sample collection for VOCs analysis was completed at those existing sample locations included in the sampling program for the "enhanced in situ bioremediation and 2 year verification period," described Table 14 of the March 6, 2017 Revised CMP. The monitoring program is summarized in Table 1 of this technical memorandum. The second quarter 2017 sampling event was a semiannual sampling event.

Sample locations are shown on Figure 1. All groundwater samples are collected for volatile organic compound (VOC) analyses using low-flow sampling techniques. The following field parameters are measured during groundwater sample collection: pH, specific conductivity, redox potential, dissolved oxygen (DO), turbidity and temperature. Groundwater samples were analyzed by Pace Analytical (Pace) of Grand Rapids, Michigan, formerly known as TriMatrix Laboratories, Inc.

The second quarter sampling activities were completed between May 15 and May 17, 2017. Monitoring activities conducted during the second quarter of 2017 are described below:

- Collection of groundwater samples at semiannual compliance groundwater monitoring well locations (designated MW-XX or PRB-XX), as summarized in Table 1 (25 total), with the following exceptions;
  - Samples were not collected from MW-32s and MW-32d, which are located inside the building and could not be safely accessed during ongoing demolition activities.
  - Groundwater samples were additionally collected from MW-45s and MW-45i, which are replaced by extraction well SEW-2, located immediately adjacent to MW-45s and MW-45i, in the groundwater and surface water monitoring program for the enhanced in situ bioremediation and 2 year verification period. Monitoring wells MW-45s and MW-45i will continue to be sampled until extraction well SEW-2 is installed.
- Collection of surface water samples from three surface water sample locations, as summarized in Table 1;
- Measurement of field parameters at groundwater sample locations; and
- Analysis of all groundwater and surface water samples for VOCs by USEPA Methods 8260B.

Site Hydrogeology and Groundwater Elevation Data

Groundwater elevation data were only collected at locations where a groundwater sample was collected during the second quarter 2017 sampling event. Groundwater elevation data collected in May 2017 are reported in Tables 2 (MW-XX locations) and Table 3 (PRB-XX locations). Groundwater elevation data collection began in March 2009 when the first monitoring wells were installed. Tables 2 and 3 provide water level data from the past 6 years (third quarter 2011 through second quarter 2017).

Vertical Flow

The vertical hydraulic gradient in the upper sand/gravel aquifer was evaluated at nested well pairs (MW-20s/d, MW-24s/d, MW-30s/d, MW-35i/d, MW-36s/d, and MW-39s/d)[1]. The vertical gradient at nested well pair MW 38s/d is not evaluated because water at MW-38s is perched

[1] Vertical gradient is also calculated for well pairs which include a well screened through the intermediate portion of the impacted aquifer (MW-04s/i, MW-44s/i and MW-45s/i). However those well pairs were not used to evaluate gross vertical flow through the impacted aquifer.

with an unsaturated zone between MW-38s and MW-38d. Along the western (up gradient) portion of the site, the measured vertical hydraulic gradient is essentially neutral. Similarly, on-site nested well pairs also exhibit near neutral vertical gradients. Northeast of the site, the hydraulic gradient typically varies from downward at well pairs MW-29s/d and MW-12s/d (not measured this quarter) to near neutral at well pair MW-30s/d. East of the Site, a downward hydraulic gradient is observed with the downward hydraulic gradient increasing to the south. This significant vertical downward gradient in the impacted sand/gravel aquifer east/southeast of the Site is the result of the presence of higher hydraulic conductivity sand and gravel downgradient of the southern source area, and a significant change in surface topography. Table 4 summarizes the calculated vertical gradients. Throughout the duration of the project, including the second quarter 2017, these vertical gradients between well pairs have been consistent and stable.

Summary of Groundwater Chemical Data

Field-collected data (pH, specific conductivity, redox potential, DO, turbidity and temperature) are provided in Table 5 (MW-XX locations) and Table 6 (PRB-XX locations). Laboratory analytical data are provided in Attachment 1. A summary of detected VOCs concentrations is provided in Tables 7 (MW-XX locations), 8 (PRB-XX locations), and 9 (surface water). . The constituents of concern at the site are chlorinated VOCs (CVOCs), specifically tetrachloroethene (PCE), trichloroethene (TCE), and their breakdown products (cis-1,2-dichloroethene [cis-DCE], and vinyl chloride). CVOC concentrations were compared to Michigan Department of Environmental Quality (MDEQ) Part 201 criteria and groundwater screening levels (GWSLs) for vapor intrusion. The observed groundwater concentrations are generally consistent with those observed during previous sample events.

Data Quality Assurance

Field Data

Field data were reviewed in accordance with the Quality Assurance Project Plan for the site. TRC field personnel collected water quality data (pH, specific conductivity, redox potential, DO, turbidity and temperature) consistent with the sampling plan described above. The data quality objectives for the field data were met and the data are usable.

Laboratory Data

Twenty-three groundwater samples, two duplicate samples, and three surface water samples were collected by TRC from May 15 to May 17, 2017. The twenty-eight samples and one trip blank sample were analyzed by Pace, located in Grand Rapids, Michigan for VOCs analysis by USEPA Method 8260B. A Level II data package was provided. TRC performed data quality review on the 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 data quality review of the analytical data. The complete laboratory data quality review report is included as Attachment 2.

Ongoing Monitoring Activities

The Revised CMP, which was submitted to the USEPA on March 6, 2017, included a revised groundwater and surface water monitoring program. This revised program is described in Section 13 and summarized in Table 14 of the Revised CMP. During the Revised CMP review process, TPC will continue groundwater and surface water sampling at existing sample locations on a semi-annual basis consistent with the groundwater and surface water monitoring program for the "enhanced in situ bioremediation and 2 year verification period," as outlined in Table 14 of the Revised CMP and Table 1 of this technical memorandum.

Tables

Table 1
Sampling Locations, Sampling Parameters and Sampling Frequency
Former Tecumseh Products Company Site
Tecumseh, Michigan

Groundwater / Surface Water Sample Location	Approximate Screened Interval (ft bgs)	Estimated Depth to Top of Aquifer	Estimated Depth to Clay	Purpose (See Notes)	During Implementation of EISB and 2 Year Verification Period			MNA & Post Verification		
					Water Level	VOCs	MNA	Water Level	VOCs	MNA
Groundwater On-Site North										
*NEW-01	19-32	14	32	1, 2, 3	Q	Q	Q			
NEW-02	28-46	23	46	1, 2	Q	Q	Q			
*MW-02s	23-28	23	45	1, 2, 3	Q	SA		SA	SA	
*MW-02i	32-37	23	45	1, 2, 3	Q	Q		SA	SA	
*MW-03s	9-14	9	28	3	Q	SA		SA	SA	
*MW-03d	23-28	9	28	3	Q	Q		SA	SA	
*MW-04s	15-20	15	35	1, 2, 3	Q	Q		SA	SA	
*MW-04i	21.5-26.5	15	35	1, 2, 3	Q	Q		SA	SA	
MW-32s	23-28	23	39	1, 2	Q	SA		SA	SA	
MW-32d	35-40	23	39	1, 2	Q	SA		SA	SA	
MW-36s	16.3-21.3	16	35	4	Q	SA		SA	SA	
MW-36d	31-36	16	35	4	Q	SA		SA	SA	
MW-53s	23-28	23	48	1, 2	Q	Q	SA	SA	SA	
MW-53i	27-32	23	48	1, 2	Q	Q	SA	SA	SA	
MW-53d	43-48	23	48	1, 2	Q	Q	SA	SA	SA	
*MW-54s	21-26	21	41	1, 2, 3	Q	Q		SA	SA	
*MW-54i	27-32	21	41	1, 2, 3	Q	Q		SA	SA	
MW-55s	21-26	21	44	1, 2	Q	Q	SA	SA	SA	
MW-55i	28-33	21	44	1, 2	Q	Q	SA	SA	SA	
MW-55d	39-44	21	44	1, 2	Q	Q	SA	SA	SA	
*MW-56s	13-18	13	32	1, 2, 3	Q	Q	SA	SA	SA	
*MW-56i	19-24	13	32	1, 2, 3	Q	Q	SA	SA	SA	
*MW-56d	27-32	13	32	1, 2, 3	Q	Q	SA	SA	SA	
*MW-57s	7-12	7	30	3	Q	Q		SA	SA	
*MW-57d	TBD*	7	30	3	Q	Q		SA	SA	
MW-62s	21-26	21	35	4	Q	Q		SA	SA	

Notes:

Purpose

1) Monitoring point to evaluate the progress of conditions favorable to EISB through treatment cells. Objective is to observe DO, ORP, pH favorable to ERD.

2) Monitoring point to verify contaminant mass reduction within the EISB recirculation cell. Cleanup objective is to observe decreasing constituent of concern concentrations.

3) At downgradient/side gradient property boundary. Point of compliance to verify effectiveness of active on-site soil and groundwater treatment. Cleanup levels are protective of off-site vapor intrusion pathway.

4) Side gradient / up gradient monitoring point beyond the active EISB treatment area.

5) Side gradient / downgradient of treatment area to verify plume stability

6) Monitoring point to verify contaminant mass reduction within the MNA treatment area. Target concentrations are the cleanup level protective of the off-site vapor intrusion pathway.

Green shading designates wells that are not yet installed. Proposed wells will be installed following issuance of the Final Decision.

*An asterisk is used to designate monitoring wells located along the site perimeter.

EISB = Enhanced In Situ Bioremediation

VOCs = Volatile Organic Compounds

MNA = Monitored Natural Attenuation. MNA parameters will be determined during final design, but may include total organic carbon, dissolved iron, dissolved manganese, alkalinity, chloride, sulfate, sulfide, nitrate, nitrite, phosphate, dissolved methane, dissolved ethane, dissolved ethene, and/or volatile fatty acids.

Q = Quarterly, SA = Semi-Annually, A = Annually

TBD = To be determined. The screened interval will be selected to align with highest concentrations determined through groundwater profile sampling.

This sampling program is expected to be a working document which may be modified as appropriate to meet project objectives

Table 1
Sampling Locations, Sampling Parameters and Sampling Frequency
Former Tecumseh Products Company Site
Tecumseh, Michigan

Groundwater / Surface Water Sample Location	Approximate Screened Interval (ft bgs)	Estimated Depth to Top of Aquifer	Estimated Depth to Clay	Purpose (See Notes)	During Implementation of EISB and 2 Year Verification Period			MNA & Post Verification		
					Water Level	VOCs	MNA	Water Level	VOCs	MNA
Groundwater Off-Site North										
MW-10d	14-19	10	19	5	SA	A		SA	A	
MW-12s	12-17	12	38	5	SA	A		SA	A	
MW-12d	33-38	12	38	5	SA	A		SA	A	
MW-23	17-22	15	24	6	SA	SA		SA	SA	
MW-24s	18.5-23.5	19	44	5	SA	A		SA	A	
MW-24d	39-34	19	44	5	SA	A		SA	A	
MW-30s	11-16	10	30.5	5	SA	A		SA	A	
MW-30d	25.5-30.5	10	30.5	5	SA	A		SA	A	
MW-43s	9-14	13	39	6	SA	SA		SA	SA	
MW-58s	15-20	15	44	6	SA	SA		SA	SA	
MW-59s	14-19	14	35	6	SA	SA	A	SA	SA	A
MW-59i	22-27	14	35	6	SA	SA	A	SA	SA	A
MW-59d	30-35	14	35	6	SA	SA	A	SA	SA	A
MW-60s	12-17	12	35	6	SA	SA	A	SA	SA	A
MW-60i	22-27	12	35	6	SA	SA	A	SA	SA	A
MW-60d	30-35	12	35	6	SA	SA	A	SA	SA	A
MW-61s	12-17	12	29	6	SA	SA		SA	SA	
MW-61i	19-24	12	29	6	SA	SA		SA	SA	

Notes:

Purpose

1) Monitoring point to evaluate the progress of conditions favorable to EISB through treatment cells. Objective is to observe DO, ORP, pH favorable to ERD.

2) Monitoring point to verify contaminant mass reduction within the EISB recirculation cell. Cleanup objective is to observe decreasing constituent of concern concentrations.

3) At downgradient/side gradient property boundary. Point of compliance to verify effectiveness of active on-site soil and groundwater treatment. Cleanup levels are protective of off-site vapor intrusion pathway.

4) Side gradient / up gradient monitoring point beyond the active EISB treatment area.

5) Side gradient / downgradient of treatment area to verify plume stability

6) Monitoring point to verify contaminant mass reduction within the MNA treatment area. Target concentrations are the cleanup level protective of the off-site vapor intrusion pathway.

Green shading designates wells that are not yet installed. Proposed wells will be installed following issuance of the Final Decision.

*An asterisk is used to designate monitoring wells located along the site perimeter.

EISB = Enhanced In Situ Bioremediation

VOCs = Volatile Organic Compounds

MNA = Monitored Natural Attenuation. MNA parameters will be determined during final design, but may include total organic carbon, dissolved iron, dissolved manganese, alkalinity, chloride, sulfate, sulfide, nitrate, nitrite, phosphate, dissolved methane, dissolved ethane, dissolved ethene, and/or volatile fatty acids.

Q = Quarterly, SA = Semi-Annually, A = Annually

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This sampling program is expected to be a working document which may be modified as appropriate to meet project objectives

Table 1
Sampling Locations, Sampling Parameters and Sampling Frequency
Former Tecumseh Products Company Site
Tecumseh, Michigan

Groundwater / Surface Water Sample Location	Approximate Screened Interval (ft bgs)	Estimated Depth to Top of Aquifer	Estimated Depth to Clay	Purpose (See Notes)	During Implementation of EISB and 2 Year Verification Period			MNA & Post Verification		
					Water Level	VOCs	MNA	Water Level	VOCs	MNA
Groundwater On-Site South										
SEW-01	23-48	18	48	1, 2, 3	Q	Q	Q			
*SEW-02	12-36	7	36		Q	Q	Q			
SEW-03	23-38	18	38	1, 2, 3	Q	Q	Q			
MW-34s	23-28	23	49	1, 2	Q	SA		SA	SA	
MW-35i	20.7-22.7	15	44.5	1, 2	Q	SA		SA	SA	
MW-35d	42.8-44.8	15	44.5	1, 2	Q	SA		SA	SA	
MW-37s	25.4-30.4	24	35	1, 2	Q	SA		SA	A	
MW-39s	15.7-20.7	15	39	1, 2	Q	SA		SA	SA	
MW-39d	34.1-39.1	15	39	1, 2	Q	SA		SA	SA	
MW-44s	8.5-13.5	8	38	1, 2	Q	Q	SA	SA	SA	
MW-44i	19.4-24.1	8	38	1, 2	Q	Q	SA	SA	SA	
*MW-45s	7-12	7	35	1, 2, 3				SA	SA	
*MW-45i	18.1-23.1	7	35	1, 2, 3				SA	SA	
*MW-45d	30-35	7	35	1, 2, 3				SA	SA	
MW-46s	20-25	20	49	1, 2	Q	Q	SA	SA	SA	
MW-46i	29-34	20	49	1, 2	Q	Q	SA	SA	SA	
MW-46d	44-49	20	49	1, 2	Q	Q	SA	SA	SA	
MW-47s	17-22	17	44	1, 2	Q	Q		SA	SA	
MW-47i	25-30	17	44	1, 2	Q	Q		SA	SA	
MW-47d	38-43	17	44	1, 2	Q	Q		SA	SA	
*MW-48s	7-12	7	37	1, 2, 3	Q	Q		SA	SA	
MW-49i	21-26	9	40	1, 2	Q	Q		SA	SA	
*PRB-02s	6-11	7	33	3	Q	SA		SA	SA	
*PRB-02i	16-21	7	33	3	Q	Q		SA	SA	
*PRB-08s	6-11	7	34	3	Q	SA		SA	SA	
*PRB-08d	18.5-23.5	7	34	3	Q	SA		SA	SA	
*PRB-11s	15-20	16	50	3	Q	SA		SA	SA	
*PRB-12s	15-20	16	50	1, 2, 3	Q	SA		SA	SA	

Notes:

Purpose

1) Monitoring point to evaluate the progress of conditions favorable to EISB through treatment cells. Objective is to observe DO, ORP, pH favorable to ERD.

2) Monitoring point to verify contaminant mass reduction within the EISB recirculation cell. Cleanup objective is to observe decreasing constituent of concern concentrations.

3) At downgradient/side gradient property boundary. Point of compliance to verify effectiveness of active on-site soil and groundwater treatment. Cleanup levels are protective of off-site vapor intrusion pathway.

4) Side gradient / up gradient monitoring point beyond the active EISB treatment area.

5) Side gradient / downgradient of treatment area to verify plume stability

6) Monitoring point to verify contaminant mass reduction within the MNA treatment area. Target concentrations are the cleanup level protective of the off-site vapor intrusion pathway.

Green shading designates wells that are not yet installed. Proposed wells will be installed following issuance of the Final Decision.

*An asterisk is used to designate monitoring wells located along the site perimeter.

EISB = Enhanced In Situ Bioremediation

VOCs = Volatile Organic Compounds

MNA = Monitored Natural Attenuation. MNA parameters will be determined during final design, but may include total organic carbon, dissolved iron, dissolved manganese, alkalinity, chloride, sulfate, sulfide, nitrate, nitrite, phosphate, dissolved methane, dissolved ethane, dissolved ethene, and/or volatile fatty acids.

Q = Quarterly, SA = Semi-Annually, A = Annually

TBD = To be determined. The screened interval will be selected to align with highest concentrations determined through groundwater profile sampling.

This sampling program is expected to be a working document which may be modified as appropriate to meet project objectives

Table 1
Sampling Locations, Sampling Parameters and Sampling Frequency
Former Tecumseh Products Company Site
Tecumseh, Michigan

Groundwater / Surface Water Sample Location	Approximate Screened Interval (ft bgs)	Estimated Depth to Top of Aquifer	Estimated Depth to Clay	Purpose (See Notes)	During Implementation of EISB and 2 Year Verification Period			MNA & Post Verification		
					Water Level	VOCs	MNA	Water Level	VOCs	MNA
Groundwater Off-Site South										
MW-14d	37.5-42.5	30	42.5	5	SA	A		SA	A	
MW-20s	6-11	5	43.5	6	SA	SA		SA	SA	
MW-20d	38.5-43.5	5	43.5	6	SA	SA		SA	SA	
MW-38s	9-14	9	14	6	SA	A		SA	SA	
MW-38d	28.8-33.8	15	33.5	6	SA	A		SA	SA	
MW-50s	13-18	13	38	6	SA	SA	A	SA	SA	A
MW-50i	26-31	13	38	6	SA	SA	A	SA	SA	A
MW-50d	33-38	13	38	6	SA	SA	A	SA	SA	A
MW-51	31-36	29	36	6	SA	SA	A	SA	SA	A
MW-52	29-34	29	38.5	6	SA	SA	A	SA	SA	A
Surface Water Compliance										
MW-42d	5.6-8.6	0	8.6	6	SA	A		SA	A	
SP-01	NA	NA	NA	6		SA			SA	
SP-02	NA	NA	NA	6		SA			SA	
SP-02	NA	NA	NA	6		SA			SA	

Notes:

Purpose

1) Monitoring point to evaluate the progress of conditions favorable to EISB through treatment cells. Objective is to observe DO, ORP, pH favorable to ERD.

2) Monitoring point to verify contaminant mass reduction within the EISB recirculation cell. Cleanup objective is to observe decreasing constituent of concern concentrations.

3) At downgradient/side gradient property boundary. Point of compliance to verify effectiveness of active on-site soil and groundwater treatment. Cleanup levels are protective of off-site vapor intrusion pathway.

4) Side gradient / up gradient monitoring point beyond the active EISB treatment area.

5) Side gradient / downgradient of treatment area to verify plume stability

6) Monitoring point to verify contaminant mass reduction within the MNA treatment area. Target concentrations are the cleanup level protective of the off-site vapor intrusion pathway.

Green shading designates wells that are not yet installed. Proposed wells will be installed following issuance of the Final Decision.

*An asterisk is used to designate monitoring wells located along the site perimeter.

EISB = Enhanced In Situ Bioremediation

VOCs = Volatile Organic Compounds

MNA = Monitored Natural Attenuation. MNA parameters will be determined during final design, but may include total organic carbon, dissolved iron, dissolved manganese, alkalinity, chloride, sulfate, sulfide, nitrate, nitrite, phosphate, dissolved methane, dissolved ethane, dissolved ethene, and/or volatile fatty acids.

Q = Quarterly, SA = Semi-Annually, A = Annually

TBD = To be determined. The screened interval will be selected to align with highest concentrations determined through groundwater profile sampling.

This sampling program is expected to be a working document which may be modified as appropriate to meet project objectives

Table 2
Groundwater and Surface Water Elevations at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Well Location	Top of Well Casing (ft MSL)	Measurement Date	5/15/2017	1/23/2017	11/21/2016	7/25/2016	4/20/2016	11/30/2015	5/18/2015	3/25/2015	11/10/2014	7/15/2014	5/13/2014	3/27/2014	11/14/2013	8/28/2013	4/2/2013	10/2/2012	7/2/2012	4/2/2012	1/3/2012	10/3/2011	7/19/2011
Groundwater Monitoring Wells																							
MW-01s	796.53	Depth (ft BTOC)	--	--	18.91	--	18.05	--	18.89	--	18.49	--	18.09	--	18.89	--	18.90	18.27	17.08	16.46	16.70	17.30	16.89
		Elevation (ft MSL)	--	--	777.62	--	778.48	--	777.64	--	778.04	--	778.44	--	777.64	--	777.63	778.26	779.45	780.07	779.83	779.23	779.64
MW-02s	802.14	Depth (ft BTOC)	22.88	--	24.30	--	23.75	23.88	24.49	--	23.97	--	23.54	--	24.34	--	24.43	23.81	22.60	21.96	22.30	22.78	22.48
		Elevation (ft MSL)	779.26	--	777.84	--	778.39	778.26	777.65	--	778.17	--	778.60	--	777.80	--	777.71	778.33	779.54	780.18	779.84	779.36	779.66
MW-03s	787.00	Depth (ft BTOC)	8.53	--	9.80	--	9.20	9.43	9.94	--	9.52	--	9.14	--	9.89	--	9.87	9.43	8.38	7.85	8.09	8.51	8.26
		Elevation (ft MSL)	778.47	--	777.20	--	777.80	777.57	777.06	--	777.48	--	777.86	--	777.11	--	777.13	777.57	778.62	779.15	778.91	778.49	778.74
MW-04s	794.42	Depth (ft BTOC)	15.62	--	17.03	--	16.35	16.64	17.14	--	16.72	--	16.34	--	17.01	--	17.11	16.50	15.38	14.80	15.09	15.54	15.26
		Elevation (ft MSL)	778.80	--	777.39	--	778.07	777.78	777.28	--	777.70	--	778.08	--	777.41	--	777.31	777.92	779.04	779.62	779.33	778.88	779.16
MW-04i	794.29	Depth (ft BTOC)	15.48	16.65	16.91	16.48	16.20	16.48	17.00	16.95	16.55	16.15	16.20	16.51	16.94	16.55	16.96	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	778.81	777.64	777.38	777.81	778.09	777.81	777.29	777.34	777.74	778.14	778.09	777.78	777.35	777.74	777.33						
MW-05s	805.59	Depth (ft BTOC)	--	--	27.39	--	26.68	--	27.49	--	26.95	--	26.60	--	27.41	--	27.39	26.73	25.43	24.86	25.19	25.74	25.29
		Elevation (ft MSL)	--	--	778.20	--	778.91	--	778.10	--	778.64	--	778.99	--	778.18	--	778.20	778.86	780.16	780.73	780.40	779.85	780.30
MW-06s	803.73	Depth (ft BTOC)	--	--	25.68	--	25.12	--	25.93	--	25.33	--	24.91	--	25.69	--	25.83	25.18	23.95	23.23	23.61	24.05	23.80
		Elevation (ft MSL)	--	--	778.05	--	778.61	--	777.80	--	778.40	--	778.82	--	778.04	--	777.90	778.55	779.78	780.50	780.12	779.68	779.93
MW-07s	804.40	Depth (ft BTOC)	--	--	26.26	--	25.74	--	26.46	--	25.92	--	25.50	--	26.28	--	26.40	25.75	24.50	23.82	24.20	24.64	24.32
		Elevation (ft MSL)	--	--	778.14	--	778.66	--	777.94	--	778.48	--	778.90	--	778.12	--	778.00	778.65	779.90	780.58	780.20	779.76	780.08
MW-08s	804.39	Depth (ft BTOC)	--	--	26.21	--	25.60	--	26.32	--	25.77	--	25.40	--	26.23	--	26.25	25.59	24.31	23.73	24.06	24.59	24.18
		Elevation (ft MSL)	--	--	778.18	--	778.79	--	778.07	--	778.62	--	778.99	--	778.16	--	778.14	778.80	780.08	780.66	780.33	779.80	780.21
MW-08d	804.19	Depth (ft BTOC)	--	25.95	26.07	25.60	25.47	--	26.25	26.16	25.68	25.23	25.31	25.88	26.10	25.73	26.15	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	--	778.24	778.12	778.59	778.72	--	777.94	778.03	778.51	778.96	778.88	778.31	778.09	778.46	778.04						
MW-09s	783.97	Depth (ft BTOC)	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed
		Elevation (ft MSL)																					
MW-10s	788.65	Depth (ft BTOC)	--	--	12.45	--	11.55	12.15	12.34	--	12.14	--	11.58	--	12.61	--	12.57	12.18	11.40	10.60	10.76	11.54	11.34
		Elevation (ft MSL)	--	--	776.20	--	777.10	776.50	776.31	--	776.51	--	777.07	--	776.04	--	776.08	776.47	777.25	778.05	777.89	777.11	777.31
MW-10d	788.40	Depth (ft BTOC)	--	--	13.37	--	12.43	13.10	13.19	--	12.95	--	12.33	--	13.27	--	13.11	14.25*	12.56	11.57	11.50	12.30	12.05
		Elevation (ft MSL)	--	--	775.03	--	775.97	775.30	775.21	--	775.45	--	776.07	--	775.13	--	775.29	774.15*	775.84	776.83	776.90	776.10	776.35
MW-11s	809.64	Depth (ft BTOC)	--	--	31.22	--	30.81	30.78	31.53	--	30.94	--	30.49	--	31.26	--	31.41	30.74	29.50	28.75	29.15	29.50	29.43
		Elevation (ft MSL)	--	--	778.42	--	778.83	778.86	778.11	--	778.70	--	779.15	--	778.38	--	778.23	778.90	780.14	780.89	780.49	780.14	780.21
MW-12s	790.90	Depth (ft BTOC)	--	--	14.61	--	14.31	14.14	14.74	--	14.35	--	13.85	--	14.59	--	14.96	14.49	13.45	12.75	13.06	13.61	13.34
		Elevation (ft MSL)	--	--	776.29	--	776.59	776.76	776.16	--	776.55	--	777.05	--	776.31	--	775.94	776.41	777.45	778.15	777.84	777.29	777.56
MW-12d	790.48	Depth (ft BTOC)	--	--	14.78	--	14.26	14.33	14.94	--	14.50	--	14.03	--	14.72	--	14.84	14.34	13.35	12.66	13.01	13.49	13.24
		Elevation (ft MSL)	--	--	775.70	--	776.22	776.15	775.54	--	775.98	--	776.45	--	775.76	--	775.64	776.14	777.13	777.82	777.47	776.99	777.24
MW-13s	787.35	Depth (ft BTOC)	--	--	16.50	--	15.80	--	15.93	--	16.05	--	15.35	--	16.30	--	16.43	14.16*	15.58	14.94	15.20	15.69	15.21
		Elevation (ft MSL)	--	--	770.85	--	771.55	--	771.42	--	771.30	--	772.00	--	771.05	--	770.92	773.19*	771.77	772.41	772.15	771.66	772.14
MW-14s	780.67	Depth (ft BTOC)	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	--	4.22	8.10	6.85	4.11	2.90	6.29	5.88
		Elevation (ft MSL)														--	776.45	772.57	773.82	776.56	777.77	774.38	774.79
MW-14d	780.51	Depth (ft BTOC)	--	29.77	29.87	29.88	29.80	30.20	30.07	30.04	29.94	29.86	29.61	--	29.93	--	29.77	30.29	30.08	29.56	29.51	30.06	29.78
		Elevation (ft MSL)	--	750.74	750.64	750.63	750.71	750.31	750.44	750.47	750.57	750.65	750.90	--	750.58	--	750.74	750.22	750.43	750.95	751.00	750.45	750.73
MW-15s	811.72	Depth (ft BTOC)	--	--	32.85	--	32.27	--	32.92	--	32.34	--	31.94	--	32.80	--	32.83	32.12	30.72	30.21	30.61	31.10	30.61
		Elevation (ft MSL)	--	--	778.87	--	779.45	--	778.80	--	779.38	--	779.78	--	778.92	--	778.89	779.60	781.51	781.51	781.11	780.62	781.11
MW-16s	782.90	Depth (ft BTOC)	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	Well Removed	--	--	--	--	--	--	--	--	Dry	Dry	Dry	Dry	Dry	Dry	Dry
		Elevation (ft MSL)							--	--	--	--	--	--	--	--							
MW-17s	754.49	Depth (ft BTOC)	--	--	5.24	--	5.13	5.41	5.33	--	5.21	--	4.91	4.96	--	--	5.20	5.54	5.56	5.02	5.02	5.40	5.31
		Elevation (ft MSL)	--	--	749.25	--	749.36	749.08	749.16	--	749.28	--	749.58	749.53	--	--	749.29	748.95	748.93	749.47	749.47	749.09	749.18
MW-18s	805.49	Depth (ft BTOC)	--	--	27.26	--	26.60	21.44*	27.35	--	26.84	--	26.44	--	27.25	--	27.28	26.78	25.35	24.77	25.07	25.61	25.31
		Elevation (ft MSL)	--	--	778.23	--	778.89	784.05*	778.14	--	778.65	--	779.05	--	778.24	--	778.21	778.71	780.14	780.72	780.42	779.88	780.18

Notes:

Survey conducted by Midwestern Consultants, Inc. (2009 - 2016)

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

-- Not measured

* Measured depth to water is anomalous. Datum was not used.

1) Monitoring wells MW-44s, MW-44i, MW-45s, and MW-45i were installed on 11/22/2016. Static water levels were measured during sampling on 12/2/2016.

Table 2
Groundwater and Surface Water Elevations at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Well Location	Top of Well Casing (ft MSL)	Measurement Date	5/15/2017	1/23/2017	11/21/2016	7/25/2016	4/20/2016	11/30/2015	5/18/2015	3/25/2015	11/10/2014	7/15/2014	5/13/2014	3/27/2014	11/14/2013	8/28/2013	4/2/2013	10/2/2012	7/2/2012	4/2/2012	1/3/2012	10/3/2011	7/19/2011
Groundwater Monitoring Wells																							
MW-19s	803.92	Depth (ft BTOC)	--	--	25.68	--	24.94	--	27.00*	--	25.22	--	24.86	--	25.71	--	25.60	25.02	23.72	23.16	23.43	24.08	23.58
		Elevation (ft MSL)	--	--	778.24	--	778.98	--	776.92*	--	778.70	--	779.06	--	778.21	--	778.32	778.90	780.20	780.76	780.49	779.84	780.34
MW-19d	804.04	Depth (ft BTOC)	--	--	25.83	--	25.05	--	25.82	--	25.37	--	25.01	--	25.82	--	25.73	25.12	23.89	23.23	23.54	24.18	23.70
		Elevation (ft MSL)	--	--	778.21	--	778.99	--	778.22	--	778.67	--	779.03	--	778.22	--	778.31	778.92	780.15	780.81	780.50	779.86	780.34
MW-20s	783.16	Depth (ft BTOC)	4.79	5.90	6.30	5.98	5.57	5.84	6.35	6.10	5.89	5.60	5.50	--	6.32	--	6.41	7.66*	4.60	3.96	4.11	4.73	4.38
		Elevation (ft MSL)	778.37	777.26	776.86	777.18	777.59	777.32	776.81	777.06	777.27	777.56	777.66	--	776.84	--	776.75	775.50*	778.56	779.20	779.05	778.43	778.78
MW-20d	783.29	Depth (ft BTOC)	14.33	15.13	15.31	14.85	14.53	14.02	12.65*	15.91	15.70	15.47	15.27	--	15.50	--	15.13	14.95	14.20	13.68	13.71	11.28*	14.57
		Elevation (ft MSL)	768.96	768.16	767.98	768.44	768.76	769.27	770.64*	767.38	767.59	767.82	768.02	--	767.79	--	768.16	768.34	769.09	769.61	769.58	772.01*	768.72
MW-21	780.85	Depth (ft BTOC)	--	29.28	29.47	29.40	29.30	29.66	29.56	29.58	29.40	29.30	29.00	29.08	29.43	29.18	29.24	29.88	29.56	29.00	28.91	29.54	29.19
		Elevation (ft MSL)	--	751.57	751.38	751.45	751.55	751.19	751.29	751.27	751.45	751.55	751.85	751.77	751.42	751.67	751.61	750.97	751.29	751.85	751.94	751.31	751.66
MW-22	782.62	Depth (ft BTOC)	--	24.95	25.65	25.18	25.00	25.06	25.00	24.88	24.96	25.12	24.79	24.61	--	--	24.63	25.01	24.07	24.85	24.86	24.96	24.98
		Elevation (ft MSL)	--	757.67	756.97	757.44	757.62	757.56	757.62	757.74	757.66	757.50	757.83	758.01	--	--	757.99	757.61	758.55	757.77	757.76	757.66	757.64
MW-23	787.10	Depth (ft BTOC)	9.18	10.28	10.45	10.11	9.88	10.06	10.59	10.55	10.18	9.68	9.80	--	10.44	--	10.54	10.05	9.09	8.41	8.68	9.20	9.00
		Elevation (ft MSL)	777.92	776.82	776.65	776.99	777.22	777.04	776.51	776.55	776.92	777.42	777.30	--	776.66	--	776.56	777.05	778.01	778.69	778.42	777.90	778.10
MW-24s	797.83	Depth (ft BTOC)	19.02	--	20.41	--	19.84	19.96	20.60	--	20.12	--	19.63	--	20.39	--	20.53	19.99	18.84	18.03	18.45	19.04	18.73
		Elevation (ft MSL)	778.81	--	777.42	--	777.99	777.87	777.23	--	777.71	--	778.20	--	777.44	--	777.30	777.84	778.99	779.80	779.38	778.79	779.10
MW-24d	797.93	Depth (ft BTOC)	19.13	--	20.54	--	19.97	20.08	20.71	--	20.22	--	19.72	--	20.51	--	20.64	19.77*	18.96	18.14	18.60	19.15	18.85
		Elevation (ft MSL)	778.80	--	777.39	--	777.96	777.85	777.22	--	777.71	--	778.21	--	777.42	--	777.29	778.16*	778.97	779.79	779.33	778.78	779.08
MW-25s	798.23	Depth (ft BTOC)	--	20.05	20.31	19.90	19.51	--	20.38	20.20	19.95	19.55	19.54	--	20.36	--	20.29	19.71	18.50	17.87	18.11	18.76	18.31
		Elevation (ft MSL)	--	778.18	777.92	778.33	778.72	--	777.85	778.03	778.28	778.68	778.69	--	777.87	--	777.94	778.52	779.73	780.36	780.12	779.47	779.92
MW-26s	805.73	Depth (ft BTOC)	--	--	27.40	--	26.67	27.00	27.43	--	26.99	--	26.64	--	27.41	--	27.31	26.75	25.47	24.92	25.15	25.80	25.31
		Elevation (ft MSL)	--	--	778.33	--	779.06	778.73	778.30	--	778.74	--	779.09	--	778.32	--	778.42	778.98	780.26	780.81	780.58	779.93	780.42
MW-27s	781.39	Depth (ft BTOC)	--	--	4.11	--	3.55	3.68	4.19	--	3.79	--	3.29	--	4.09	--	4.17	3.65	2.83	2.30	2.31	2.84	2.45
		Elevation (ft MSL)	--	--	777.28	--	777.84	777.71	777.20	--	777.60	--	778.10	--	777.30	--	777.22	777.74	778.56	779.09	779.08	778.55	778.94
MW-27d	781.40	Depth (ft BTOC)	--	--	23.60	--	23.35	23.70	23.67	--	23.61	--	23.18	--	23.60	--	23.41	23.85	23.50	23.13	23.11	23.55	23.22
		Elevation (ft MSL)	--	--	757.80	--	758.05	757.70	757.73	--	757.79	--	758.22	--	757.80	--	757.99	757.55	757.90	758.27	758.29	757.85	758.18
MW-28s	804.68	Depth (ft BTOC)	--	--	26.55	--	26.04	26.07	26.79	--	26.24	--	25.75	--	26.60	--	26.71	26.06	24.82	24.09	24.49	24.92	24.70
		Elevation (ft MSL)	--	--	778.13	--	778.64	778.61	777.89	--	778.44	--	778.93	--	778.08	--	777.97	778.62	779.86	780.59	780.19	779.76	779.98
MW-28d	804.92	Depth (ft BTOC)	--	--	26.78	--	26.32	--	27.03	--	26.49	--	26.03	--	26.81	--	26.97	26.30	25.08	24.33	24.71	25.16	24.95
		Elevation (ft MSL)	--	--	778.14	--	778.60	--	777.89	--	778.43	--	778.89	--	778.11	--	777.95	778.62	779.84	780.59	780.21	779.76	779.97
MW-29s	788.16	Depth (ft BTOC)	--	--	16.23	--	15.78	16.03	16.03	--	15.94	--	15.50	--	16.20	--	16.37	15.91	15.40	14.92	11.30*	15.48	15.50
		Elevation (ft MSL)	--	--	771.93	--	772.38	772.13	772.13	--	772.22	--	772.66	--	771.96	--	771.79	772.25	772.76	773.24	776.86*	772.68	772.66
MW-29d	788.16	Depth (ft BTOC)	--	--	19.35	--	19.08	--	19.52	--	19.12	--	18.90	--	20.02	--	19.29	19.14	18.43	17.75	18.16	18.23	18.28
		Elevation (ft MSL)	--	--	768.81	--	769.08	--	768.64	--	769.04	--	769.26	--	768.14	--	768.87	769.02	769.73	770.41	770.00	769.93	769.88
MW-30s	787.69	Depth (ft BTOC)	9.54	--	10.84	--	10.23	10.47	10.91	--	10.58	--	10.06	--	10.86	--	10.91	10.52	9.55	8.88	9.08	9.66	9.40
		Elevation (ft MSL)	778.15	--	776.85	--	777.46	777.22	776.78	--	777.11	--	777.63	--	776.83	--	776.78	777.17	778.14	778.81	778.61	778.03	778.29
MW-30d	787.66	Depth (ft BTOC)	9.50	--	10.81	--	10.11	10.40	10.87	--	10.52	--	10.00	--	10.80	--	10.93	10.43	9.41	8.75	9.02	9.54	9.29
		Elevation (ft MSL)	778.16	--	776.85	--	777.55	777.26	776.79	--	777.14	--	777.66	--	776.86	--	776.73	777.23	778.25	778.91	778.64	778.12	778.37
MW-31	782.36	Depth (ft BTOC)	--	32.63	32.85	32.85	32.65	32.95	32.91	32.82	32.75	32.72	32.46	32.50	--	32.63	32.68	33.13	32.97	32.57	32.51	32.91	32.76
		Elevation (ft MSL)	--	749.73	749.51	749.51	749.71	749.41	749.45	749.54	749.61	749.64	749.90	749.86	--	749.73	749.68	749.23	749.39	749.79	749.85	749.45	749.60
MW-32s	802.59	Depth (ft BTOC)	--	--	24.71	--	24.07	24.34	24.81	--	24.32	23.83	23.96	--	24.67	--	--	24.14	22.89	22.33	21.59*	23.15	22.81
		Elevation (ft MSL)	--	--	777.88	--	778.52	778.25	777.78	--	778.27	778.76	778.63	--	777.92	--	--	778.45	779.70	780.26	781.00*	779.44	779.78
MW-32d	802.63	Depth (ft BTOC)	--	24.55	24.70	24.24	24.02	24.25*	24.88	--	24.31	23.85	23.94	24.43	24.70	24.38	--	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	--	778.08	777.93	778.39	778.61	778.38*	777.75	--	778.32	778.78	778.69	778.20	777.93	778.25	--						
MW-33s	799.49	Depth (ft BTOC)	--	--	21.80	--	21.12	--	21.89	--	21.44	--	21.09	--	21.83	--	--	21.28	20.08	19.50	19.77	19.30*	19.95
		Elevation (ft MSL)	--	--	777.69	--	778.37	--	777.60	--	778.05	--	778.40	--	777.66	--	--	778.21	779.41	779.99	779.72	780.19*	779.54

Notes:

Survey conducted by Midwestern Consultants, Inc. (2009 - 2016)

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

-- Not measured

* Measured depth to water is anomalous. Datum was not used.

1) Monitoring wells MW-44s, MW-44i, MW-45s, and MW-45i were installed on 11/22/2016. Static water levels were measured during sampling on 12/2/2016.

Table 2
Groundwater and Surface Water Elevations at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Well Location	Top of Well Casing (ft MSL)	Measurement Date	5/15/2017	1/23/2017	11/21/2016	7/25/2016	4/20/2016	11/30/2015	5/18/2015	3/25/2015	11/10/2014	7/15/2014	5/13/2014	3/27/2014	11/14/2013	8/28/2013	4/2/2013	10/2/2012	7/2/2012	4/2/2012	1/3/2012	10/3/2011	7/19/2011
Groundwater Monitoring Wells																							
MW-34s	802.78	Depth (ft BTOC)	23.30	--	24.93	--	24.10	24.45	24.96	--	24.49	--	24.09	--	24.91	--	--	24.29	23.04	22.43	22.70	23.35	22.89
		Elevation (ft MSL)	779.48	--	777.85	--	778.68	778.33	777.82	--	778.29	--	778.69	--	777.87	--	--	778.49	779.74	780.35	780.08	779.43	779.89
MW-34d	802.78	Depth (ft BTOC)	--	24.65	24.90	24.46	24.16	24.48	25.00	24.83	24.50	24.05	24.18	24.45	24.91	24.51	--	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	--	778.13	777.88	778.32	778.62	778.30	777.78	777.95	778.28	778.73	778.60	778.33	777.87	778.27	--						
MW-35i	793.98	Depth (ft BTOC)	15.00	16.30	16.57	16.20	15.89	16.09	16.60	16.46	16.15	15.88	15.65	16.04	16.59	16.28	16.58	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	778.98	777.68	777.41	777.78	778.09	777.89	777.38	777.52	777.83	778.10	778.33	777.94	777.39	777.70	777.40						
MW-35d	793.99	Depth (ft BTOC)	15.05	16.25	16.65	16.18	15.78	16.10	16.66	16.39	16.17	15.83	15.84	16.00	16.64	16.25	--	15.97	NI	NI	NI	NI	NI
		Elevation (ft MSL)	778.94	777.74	777.34	777.81	778.21	777.89	777.33	777.60	777.82	778.16	778.15	777.99	777.35	777.74	--	778.02					
MW-36s	793.95	Depth (ft BTOC)	15.02	16.15	16.48	16.09	15.74	16.03	16.56	16.42	16.09	15.77	15.75	16.02	16.52	16.20	16.53	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	778.93	777.80	777.47	777.86	778.21	777.92	777.39	777.53	777.86	778.18	778.20	777.93	777.43	777.75	777.42						
MW-36d	793.72	Depth (ft BTOC)	14.78	15.94	16.23	15.82	15.48	15.78	16.31	16.23	15.81	15.50	15.54	15.91	16.24	15.92	16.28	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	778.94	777.78	777.49	777.90	778.24	777.94	777.41	777.49	777.91	778.22	778.18	777.81	777.48	777.80	777.44						
MW-37s	803.22	Depth (ft BTOC)	23.60	25.00	25.15	24.71	24.45	24.68	25.28	25.12	24.74	24.35	24.37	24.80	--	24.81	25.19	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	779.62	778.22	778.07	778.51	778.77	778.54	777.94	778.10	778.48	778.87	778.85	778.42	--	778.41	778.03						
MW-38s	783.69	Depth (ft BTOC)	--	9.23	9.80	9.74	8.93	9.55	9.60	9.44	9.64	9.45	9.05	--	9.82	9.74	9.81	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	--	774.46	773.89	773.95	774.76	774.14	774.09	774.25	774.05	774.24	774.64	--	773.87	773.95	773.88						
MW-38d	783.55	Depth (ft BTOC)	--	31.18	31.38	31.22	31.32	31.53	31.48	31.45	31.24	31.20	30.86	31.00	31.33	31.00	31.14	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	--	752.37	752.17	752.33	752.23	752.02	752.07	752.10	752.31	752.35	752.69	752.55	752.22	752.55	752.41						
MW-39s	792.84	Depth (ft BTOC)	13.80	15.00	15.35	14.98	14.48	14.95	15.41	15.28	14.95	14.62	14.59	14.85	15.34	15.00	15.38	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	779.04	777.84	777.49	777.86	778.36	777.89	777.43	777.56	777.89	778.22	778.25	777.99	777.50	777.84	777.46						
MW-39d	792.68	Depth (ft BTOC)	13.62	14.83	15.15	14.75	14.32	14.73	15.21	15.11	14.76	14.40	14.48	14.60	15.21	14.85	15.21	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	779.06	777.85	777.53	777.93	778.36	777.95	777.47	777.57	777.92	778.28	778.20	778.08	777.47	777.83	777.47						
MW-40s	776.49	Depth (ft BTOC)	--	22.15	22.38	22.14	22.20	22.58	22.45	22.46	22.38	22.24	22.03	23.05*	22.33	22.06	22.12	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	--	754.34	754.11	754.35	754.29	753.91	754.04	754.03	754.11	754.25	754.46	753.44*	754.16	754.43	754.37						
MW-40d	776.25	Depth (ft BTOC)	--	21.95	22.10	21.92	21.91	--	22.25	22.20	22.07	21.97	21.84	21.84	22.11	21.82	21.87	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	--	754.30	754.15	754.33	754.34	--	754.00	754.05	754.18	754.28	754.41	754.41	754.14	754.43	754.38						
MW-41	752.57	Depth (ft BTOC)	--	3.45	3.30	6.60	3.36	3.35	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	--	749.12	749.27	745.97	749.21	749.22															
MW-42d	746.12	Depth (ft BTOC)	--	3.90	3.38	4.06	4.05	4.55	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	--	742.22	742.74	742.06	742.07	741.57															
MW-43s	788.97	Depth (ft BTOC)	10.73	11.88	12.02	11.65	11.45	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	778.24	777.09	776.95	777.32	777.52																
MW-44s	786.01	Depth (ft BTOC)	7.31	8.47	8.70(1)	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	778.70	777.54	777.31																		
MW-44i	785.97	Depth (ft BTOC)	7.25	8.43	8.52(1)	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	778.72	777.54	777.45																		
MW-45s	784.31	Depth (ft BTOC)	6.00	7.15	7.31(1)	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	778.31	777.16	777.00																		
MW-45i	783.94	Depth (ft BTOC)	5.62	6.75	6.92(1)	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	778.32	777.19	777.02																		
Surface Water Measurement Points (River Raisin)																							
E. Chicago Blvd	756.50	Depth (ft BTOC)	--	--	14.60	--	13.85	--	14.46	--	14.60	--	--	--	14.10	--	14.30	13.98	15.00	13.87	13.17	14.15	14.60
		Elevation (ft MSL)	--	--	741.90	--	742.65	--	742.04	--	741.90	--	--	--	742.40	--	742.20	742.52	741.50	742.63	743.33	742.35	741.90
Russell Road	755.23	Depth (ft BTOC)	--	--	19.95	--	19.00	--	19.65	--	19.17	--	--	--	22.09	--	22.10	19.05	23.18	18.96	20.75	21.70	22.65
		Elevation (ft MSL)	--	--	735.28	--	736.23	--	735.58	--	736.06	--	--	--	733.14	--	733.13	736.18	732.05	736.27	734.48	733.53	732.58

Notes:

Survey conducted by Midwestern Consultants, Inc. (2009 - 2016)

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

-- Not measured

* Measured depth to water is anomalous. Datum was not used.

1) Monitoring wells MW-44s, MW-44i, MW-45s, and MW-45i were installed on 11/22/2016. Static water levels were measured during sampling on 12/2/2016.

Table 3
Groundwater Elevations at PRB Performance Monitoring Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Well Location	Top of Well Casing (ft MSL)	Measurement Date	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)
PRB-01s	784.06	8/9/2011	5.60	778.46
		10/5/2011	5.91	778.15
		1/11/2012	5.29	778.77
		4/2/2012	5.10	778.96
		7/2/2012	5.81	778.25
		10/2/2012	6.84	777.22
		3/4/2013	7.45	776.61
		6/5/2013	7.19	776.87
		8/26/2013	7.29	776.77
		11/13/2013	7.57	776.49
		5/28/2014	6.69	777.37
		11/10/2014	7.14	776.92
		4/20/2015	7.26	776.80
		11/30/2015	7.04	777.02
		4/20/2016	6.80	777.26
		11/21/2016	7.55	776.51
PRB-02s	784.09	8/9/2011	5.70	778.39
		10/5/2011	5.93	778.16
		1/11/2012	5.29	778.80
		4/2/2012	5.06	779.03
		7/2/2012	5.84	778.25
		10/2/2012	6.85	777.24
		3/4/2013	7.41	776.68
		6/5/2013	7.27	776.82
		8/26/2013	7.28	776.81
		11/13/2013	7.63	776.46
		5/28/2014	6.70	777.39
		11/10/2014	7.19	776.90
		4/20/2015	7.28	776.81
		11/30/2015	7.08	777.01
		4/20/2016	6.79	777.30
		11/21/2016	7.51	776.58
		5/15/2017	6.10	777.99
PRB-03s	784.15	8/9/2011	5.52	778.63
		10/5/2011	5.83	778.32
		1/11/2012	5.17	778.98
		4/2/2012	5.02	779.13
		7/2/2012	5.62	778.53
		10/2/2012	6.68	777.47
		3/4/2013	7.15	777.00
		6/5/2013	6.96	777.19
		8/26/2013	7.03	777.12
		11/13/2013	7.44	776.71
		5/28/2014	6.51	777.64
		11/10/2014	6.95	777.20
		4/20/2015	7.09	777.06
		4/20/2016	6.60	777.55
		11/21/2016	7.35	776.80

Notes:

Survey conducted to feet Mean Sea Level by Midwestern Consultants, Inc. (2011-2015)

ft MSL - feet above Mean Sea Level

ft BTOC - feet Below Top of Casing

NI - Not Installed at time of measurement

* Measured depth to water is anomalous. Datum was not used.

Table 3
Groundwater Elevations at PRB Performance Monitoring Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Well Location	Top of Well Casing (ft MSL)	Measurement Date	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)
PRB-04s	784.68	8/9/2011	6.14	778.54
		10/5/2011	6.40	778.28
		1/11/2012	5.76	778.92
		4/2/2012	5.57	779.11
		7/2/2012	6.28	778.40
		10/2/2012	7.23	777.45
		3/4/2013	7.84	776.84
		6/5/2013	7.66	777.02
		8/26/2013	7.70	776.98
		11/13/2013	8.06	776.62
		5/28/2014	7.12	777.56
		11/10/2014	7.56	777.12
		4/20/2015	7.14	777.54
		4/20/2016	7.20	777.48
		11/21/2016	7.98	776.70
PRB-04d	784.68	8/9/2011	6.10	778.58
		10/5/2011	6.40	778.28
		1/11/2012	5.77	778.91
		4/2/2012	5.57	779.11
		7/2/2012	6.30	778.38
		10/2/2012	7.31	777.37
		3/4/2013	7.85	776.83
		6/5/2013	7.61	777.07
		8/26/2013	7.71	776.97
		11/13/2013	8.03	776.65
		5/28/2014	7.10	777.58
		11/10/2014	7.56	777.12
		4/20/2015	7.01	777.67
		4/20/2016	7.25	777.43
		11/21/2016	8.00	776.68
PRB-05s	784.66	8/9/2011	5.96	778.70
		10/5/2011	6.23	778.43
		1/11/2012	5.58	779.08
		4/2/2012	5.38	779.28
		7/2/2012	6.05	778.61
		10/2/2012	7.15	777.51
		3/4/2013	7.64	777.02
		6/5/2013	7.39	777.27
		8/26/2013	7.51	777.15
		1/13/2013	7.85	776.81
		5/28/2014	6.88	777.78
		11/10/2014	7.38	777.28
		4/20/2015	7.75	776.91
		4/20/2016	6.99	777.67
		11/21/2016	7.80	776.86

Notes:

Survey conducted to feet Mean Sea Level by Midwestern Consultants, Inc. (2011-2015)

ft MSL - feet above Mean Sea Level

ft BTOC - feet Below Top of Casing

NI - Not Installed at time of measurement

* Measured depth to water is anomalous. Datum was not used.

Table 3
Groundwater Elevations at PRB Performance Monitoring Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Well Location	Top of Well Casing (ft MSL)	Measurement Date	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)
PRB-06s	784.52	8/9/2011	5.90	778.62
		10/5/2011	6.16	778.36
		1/11/2012	5.51	779.01
		4/2/2012	5.62	778.90
		7/2/2012	6.00	778.52
		10/2/2012	7.06	777.46
		3/4/2013	7.54	776.98
		6/5/2013	7.29	777.23
		8/26/2013	7.40	777.12
		11/13/2013	7.66*	776.86*
		5/28/2014	6.77	777.75
		11/10/2014	7.30	777.22
		4/20/2015	7.24	777.28
		4/20/2016	6.80	777.72
		11/21/2016	7.64	776.88
PRB-07s	784.08	8/9/2011	5.59	778.49
		10/5/2011	5.82	778.26
		1/11/2012	5.19	778.89
		4/2/2012	4.98	779.10
		7/2/2012	5.70	778.38
		10/2/2012	6.78	777.30
		3/4/2013	7.31	776.77
		6/5/2013	7.06	777.02
		8/26/2013	7.12	776.96
		11/13/2013	7.44	776.64
		5/28/2014	6.54	777.54
		11/10/2014	7.03	777.05
		4/20/2015	7.15	776.93
		4/20/2016	6.65	777.43
		11/21/2016	7.40	776.68
PRB-08s	784.69	8/9/2011	6.17	778.52
		10/5/2011	6.39	778.30
		1/11/2012	5.76	778.93
		4/2/2012	5.54	779.15
		7/2/2012	6.24	778.45
		10/2/2012	7.29	777.40
		3/4/2013	7.80	776.89
		6/5/2013	7.56	777.13
		8/26/2013	7.66	777.03
		11/13/2013	7.98	776.71
		5/28/2014	7.08	777.61
		11/10/2014	7.55	777.14
		4/20/2015	7.73	776.96
		11/30/2015	7.45	777.24
		4/20/2016	7.15	777.54
		11/21/2016	7.96	776.73
		5/15/2017	6.48	778.21

Notes:

Survey conducted to feet Mean Sea Level by Midwestern Consultants, Inc. (2011-2015)

ft MSL - feet above Mean Sea Level

ft BTOC - feet Below Top of Casing

NI - Not Installed at time of measurement

* Measured depth to water is anomalous. Datum was not used.

Table 3
Groundwater Elevations at PRB Performance Monitoring Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Well Location	Top of Well Casing (ft MSL)	Measurement Date	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)
PRB-08d	784.69	8/9/2011	6.14	778.55
		10/5/2011	6.38	778.31
		1/11/2012	5.74	778.95
		4/2/2012	5.53	779.16
		7/2/2012	6.25	778.44
		10/2/2012	7.33	777.36
		3/4/2013	7.78	776.91
		6/5/2013	7.59	777.10
		8/26/2013	7.66	777.03
		11/13/2013	8.02	776.67
		5/28/2014	7.08	777.61
		11/10/2014	7.59	777.10
		4/20/2015	7.75	776.94
		11/30/2015	7.50	777.19
		4/20/2016	7.16	777.53
		11/21/2016	7.94	776.75
		5/15/2017	6.44	778.25
PRB-09s	785.08	8/9/2011	6.45	778.63
		10/5/2011	6.69	778.39
		1/11/2012	6.03	779.05
		4/2/2012	5.99	779.09
		7/2/2012	6.55	778.53
		10/2/2012	7.66	777.42
		3/4/2013	8.00	777.08
		6/5/2013	7.73	777.35
		8/26/2013	7.90	777.18
		11/13/2013	8.06	777.02
		5/28/2014	7.10	777.98
		11/10/2014	7.79	777.29
		4/20/2015	7.86	777.22
		4/20/2016	7.20	777.88
		11/21/2016	8.13	776.95
PRB-10s	785.22	8/9/2011	6.60	778.62
		10/5/2011	6.85	778.37
		1/11/2012	6.21	779.01
		4/2/2012	5.97	779.25
		7/2/2012	6.69	778.53
		10/2/2012	7.87	777.35
		3/4/2013	8.17	777.05
		6/5/2013	7.93	777.29
		8/26/2013	8.05	777.17
		11/13/2013	8.46	776.76
		5/28/2014	7.39	777.83
		11/10/2014	7.95	777.27
		4/20/2015	8.15	777.07
		4/20/2016	7.52	777.70
		11/21/2016	8.35	776.87

Notes:

Survey conducted to feet Mean Sea Level by Midwestern Consultants, Inc. (2011-2015)

ft MSL - feet above Mean Sea Level

ft BTOC - feet Below Top of Casing

NI - Not Installed at time of measurement

* Measured depth to water is anomalous. Datum was not used.

Table 3
Groundwater Elevations at PRB Performance Monitoring Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Well Location	Top of Well Casing (ft MSL)	Measurement Date	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)
PRB-11s	795.12	8/9/2011	15.73	779.39
		10/5/2011	16.02	779.10
		1/11/2012	15.32	779.80
		4/2/2012	15.06	780.06
		7/2/2012	15.70	779.42
		10/2/2012	16.88	778.24
		3/4/2013	17.24	777.88
		6/5/2013	16.96	778.16
		8/26/2013	17.12	778.00
		11/13/2013	17.50	777.62
		5/29/2014	16.54	778.58
		11/10/2014	17.09	778.03
		4/20/2015	17.36	777.76
		11/30/2015	17.00	778.12
		4/20/2016	16.70	778.42
		11/21/2016	17.47	777.65
		5/15/2017	15.94	779.18
PRB-12s	795.46	8/9/2011	16.02	779.44
		10/5/2011	16.34	779.12
		1/11/2012	15.66	779.80
		4/2/2012	15.42	780.04
		7/2/2012	16.04	779.42
		10/2/2012	17.22	778.24
		3/4/2013	17.66	777.80
		6/5/2013	17.31	778.15
		8/26/2013	17.45	778.01
		11/13/2013	17.87	777.59
		5/29/2014	17.95	777.51
		11/10/2014	17.44	778.02
		4/20/2015	17.73	777.73
		4/20/2016	17.02	778.44
		11/21/2016	17.82	777.64
		5/15/2017	16.27	779.19
PRB-13s	797.20	8/9/2011	17.67	779.53
		10/5/2011	18.01	779.19
		1/11/2012	17.34	779.86
		4/2/2012	17.06	780.14
		7/2/2012	17.69	779.51
		10/2/2012	18.88	778.32
		3/4/2013	19.23	777.97
		6/5/2013	18.96	778.24
		8/26/2013	19.14	778.06
		11/13/2013	19.60	777.60
		5/29/2014	18.60	778.60
		11/10/2014	19.10	778.10
		4/20/2015	19.41	777.79
		4/20/2016	18.67	778.53
		11/21/2016	19.49	777.71

Notes:

Survey conducted to feet Mean Sea Level by Midwestern Consultants, Inc. (2011-2015)

ft MSL - feet above Mean Sea Level

ft BTOC - feet Below Top of Casing

NI - Not Installed at time of measurement

* Measured depth to water is anomalous. Datum was not used.

Table 3
Groundwater Elevations at PRB Performance Monitoring Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Well Location	Top of Well Casing (ft MSL)	Measurement Date	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)
PRB-14s	796.70	8/9/2011	17.24	779.46
		10/5/2011	17.58	779.12
		1/3/2012	16.92	779.78
		4/2/2012	16.64	780.06
		7/2/2012	17.30	779.40
		10/2/2012	18.43	778.27
		3/4/2013	18.91	777.79
		6/5/2013	18.55	778.15
		8/26/2013	18.73	777.97
		11/13/2013	19.16	777.54
		5/29/2014	18.15	778.55
		11/10/2014	18.67	778.03
		4/20/2015	18.97	777.73
		4/20/2016	18.27	778.43
		11/21/2016	19.09	777.61
PRB-15s	795.35	8/9/2011	15.95	779.40
		10/5/2011	16.26	779.09
		1/11/2012	15.59	779.76
		4/2/2012	15.33	780.02
		7/2/2012	15.95	779.40
		10/2/2012	17.16	778.19
		3/4/2013	17.60	777.75
		6/5/2013	17.21	778.14
		8/26/2013	17.37	777.98
		11/13/2013	17.80	777.55
		5/29/2014	16.80	778.55
		11/10/2014	17.35	778.00
		4/20/2015	17.63	777.72
		11/30/2015	17.28	778.07
		4/20/2016	16.95	778.40
		11/21/2016	17.78	777.57
PRB-15d	795.43	8/9/2011	16.02	779.41
		10/5/2011	16.34	779.09
		1/11/2012	15.66	779.77
		4/2/2012	15.41	780.02
		7/2/2012	16.05	779.38
		10/2/2012	17.23	778.20
		3/4/2013	17.70	777.73
		6/5/2013	17.29	778.14
		8/26/2013	17.50	777.93
		11/13/2013	17.86	777.57
		5/29/2014	16.91	778.52
		11/10/2014	17.46	777.97
		4/20/2015	17.73	777.70
		11/30/2015	17.40	778.03
		4/20/2016	17.05	778.38
		11/21/2016	17.83	777.60

Notes:

Survey conducted to feet Mean Sea Level by Midwestern Consultants, Inc. (2011-2015)

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NI - Not Installed at time of measurement

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Table 3
Groundwater Elevations at PRB Performance Monitoring Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Well Location	Top of Well Casing (ft MSL)	Measurement Date	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)
PRB-16s	785.02	8/9/2011	NI	--
		10/5/2011	NI	--
		1/11/2012	NI	--
		4/2/2012	NI	--
		7/2/2012	NI	--
		10/2/2012	7.52	777.50
		3/27/2013	8.04	776.98
		6/5/2013	7.71	777.31
		8/26/2013	7.81	777.21
		11/13/2013	8.17	776.85
		5/28/2014	7.19	777.83
		11/10/2014	7.76	777.26
		4/20/2015	7.75	777.27
		4/20/2016	7.33	777.69
		11/21/2016	8.13	776.89

Notes:

Survey conducted to feet Mean Sea Level by Midwestern Consultants, Inc. (2011-2015)

ft MSL - feet above Mean Sea Level

ft BTOC - feet Below Top of Casing

NI - Not Installed at time of measurement

* Measured depth to water is anomalous. Datum was not used.

Table 4
Vertical Gradient Calculations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Well Pair Location	Measurement Date	Shallow Groundwater Elevation (ft MSL)	Deep Groundwater Elevation (ft MSL)	Vertical Gradient (ft/ft)
MW-04s/i	4/2/2013	777.31	777.33	0.003
	11/14/2013	777.41	777.35	-0.009
	5/13/2014	778.08	778.09	0.002
	11/10/2014	777.70	777.74	0.006
	5/18/2015	777.28	777.29	0.002
	11/30/2015	777.78	777.81	0.005
	4/20/2016	778.07	778.09	0.003
	11/21/2016	777.39	777.38	-0.002
	5/15/2017	778.80	778.81	0.002
MW-08s/d	4/2/2013	778.14	778.04	-0.006
	11/14/2013	778.16	778.09	-0.004
	5/13/2014	778.99	778.88	-0.007
	11/10/2014	778.62	778.51	-0.007
	5/18/2015	778.07	777.94	-0.008
	4/20/2016	778.79	778.72	-0.004
	11/21/2016	778.18	778.12	-0.004
MW-10s/d	12/7/2009	777.08	776.30	-0.13
	3/23/2010	777.10	776.42	-0.11
	5/10/2010	777.45	776.80	-0.11
	9/2/2010	776.80	775.99	-0.13
	12/10/2010	776.50	775.72	-0.13
	2/14/2011	776.19	775.41	-0.13
	4/25/2011	777.56	776.92	-0.11
	7/19/2011	777.31	776.35	-0.16
	10/3/2011	777.11	776.10	-0.17
	1/3/2012	777.89	776.90	-0.17
	4/2/2012	778.05	776.83	-0.20
	7/2/2012	777.25	775.84	-0.23
	4/2/2013	776.08	775.29	-0.13
	11/14/2013	776.04	775.13	-0.15
	5/13/2014	777.07	776.07	-0.17
	11/10/2014	776.51	775.45	-0.18
	5/18/2015	776.31	775.21	-0.18
	11/30/2015	776.50	775.30	-0.20
	4/20/2016	777.10	775.97	-0.19
	11/21/2016	776.20	775.03	-0.20

Notes:
ft MSL - feet above mean sea level
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Table 4
Vertical Gradient Calculations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Well Pair Location	Measurement Date	Shallow Groundwater Elevation (ft MSL)	Deep Groundwater Elevation (ft MSL)	Vertical Gradient (ft/ft)
MW-12s/d	3/23/2010	776.84	776.55	-0.014
	5/10/2010	777.00	776.67	-0.016
	12/10/2010	776.56	776.25	-0.015
	2/14/2011	776.20	775.87	-0.016
	4/25/2011	776.95	776.58	-0.018
	7/19/2011	777.56	777.24	-0.015
	10/3/2011	777.29	776.99	-0.014
	1/3/2012	777.84	777.47	-0.018
	4/2/2012	778.15	777.82	-0.016
	7/2/2012	777.45	777.13	-0.015
	10/2/2012	776.41	776.14	-0.013
	4/2/2013	775.94	775.64	-0.014
	11/14/2013	776.31	775.76	-0.026
	5/13/2014	777.05	776.45	-0.029
	11/10/2014	776.55	775.98	-0.027
	5/18/2015	776.16	775.54	-0.030
	11/30/2015	776.76	776.15	-0.029
	4/20/2016	776.59	776.22	-0.018
	11/21/2016	776.29	775.70	-0.028
MW-19s/d	12/7/2009	779.87	779.87	0.000
	3/23/2010	779.66	779.63	-0.002
	5/10/2010	779.67	779.69	0.001
	9/2/2010	779.67	779.64	-0.002
	12/10/2010	779.01	779.01	0.000
	2/14/2011	778.72	778.70	-0.001
	4/25/2011	779.54	779.54	0.000
	7/19/2011	780.34	780.34	0.000
	10/3/2011	779.84	779.86	0.001
	1/3/2012	780.49	780.50	0.001
	4/2/2012	780.76	780.81	0.003
	7/2/2012	780.20	780.15	-0.003
	10/2/2012	778.90	778.92	0.001
	4/2/2013	778.32	778.31	-0.001
	11/14/2013	778.21	778.22	0.001
	5/13/2014	779.06	779.03	-0.002
	11/10/2014	778.70	778.67	-0.002
	5/18/2015	776.92*	778.22	0.086*
	4/20/2016	778.98	778.99	0.001
	11/21/2016	778.24	778.21	-0.002

Notes:
ft MSL - feet above mean sea level
* Anomalous, datum was not used.

Table 4
Vertical Gradient Calculations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Well Pair Location	Measurement Date	Shallow Groundwater Elevation (ft MSL)	Deep Groundwater Elevation (ft MSL)	Vertical Gradient (ft/ft)
MW-20s/d	12/7/2009	778.31	771.31	-0.23
	3/23/2010	778.19	770.67	-0.25
	5/10/2010	778.36	770.49	-0.26
	9/2/2010	778.16	769.19	-0.29
	12/10/2010	777.63	768.38	-0.30
	2/14/2011	777.35	768.12	-0.30
	4/25/2011	778.30	768.74	-0.31
	7/19/2011	778.78	768.72	-0.33
	10/3/2011	778.43	772.01*	-0.21*
	1/3/2012	779.05	769.58	-0.31
	4/2/2012	779.20	769.61	-0.31
	7/2/2012	778.56	769.09	-0.31
	4/2/2013	776.75	768.16	-0.28
	11/14/2013	776.84	767.79	-0.30
	5/13/2014	777.66	768.02	-0.32
	7/15/2014	777.56	767.82	-0.32
	11/10/2014	777.27	767.59	-0.32
	3/25/2015	777.06	767.38	-0.32
	5/18/2015	776.81	770.64*	-0.20*
	11/30/2015	777.32	769.27	-0.26
	4/20/2016	777.59	768.76	-0.29
	7/25/2016	777.18	768.44	-0.29
	11/21/2016	776.86	767.98	-0.29
	1/26/2017	777.26	768.16	-0.30
	5/15/2017	778.37	768.96	-0.31
MW-24s/d	12/7/2009	778.73	778.73	0.000
	3/23/2010	778.34	778.35	0.000
	5/10/2010	778.46	778.48	0.001
	9/2/2010	778.53	778.58	0.002
	12/10/2010	778.00	777.98	-0.001
	2/14/2011	777.59	777.62	0.001
	4/25/2011	778.40	778.41	0.000
	7/19/2011	779.10	779.08	-0.001
	10/3/2011	778.79	778.78	0.000
	1/3/2012	779.38	779.33	-0.002
	4/2/2012	779.80	779.79	0.000
	7/2/2012	778.99	778.97	-0.001
	4/2/2013	777.30	777.29	0.000
	11/14/2013	777.44	777.42	-0.001
	5/13/2014	778.20	778.21	0.0005
	11/10/2014	777.71	777.71	0.000
	5/18/2015	777.23	777.22	-0.0005
	11/30/2015	777.87	777.85	-0.001
	4/20/2016	777.99	777.96	-0.001
	11/21/2016	777.42	777.39	-0.001
	5/15/2017	778.81	778.80	-0.0005

Notes:
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Table 4
Vertical Gradient Calculations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Well Pair Location	Measurement Date	Shallow Groundwater Elevation (ft MSL)	Deep Groundwater Elevation (ft MSL)	Vertical Gradient (ft/ft)
MW-27s/d	3/23/2010	778.27	757.77	-0.67
	5/10/2010	778.56	757.90	-0.68
	9/2/2010	778.24	757.75	-0.67
	12/10/2010	777.81	757.46	-0.67
	2/14/2011	777.62	757.32	-0.67
	4/25/2011	778.60	758.00	-0.68
	7/19/2011	778.94	758.18	-0.68
	10/3/2011	778.55	757.85	-0.68
	1/3/2012	779.08	758.29	-0.68
	4/2/2012	779.09	758.27	-0.68
	7/2/2012	778.56	757.90	-0.68
	10/2/2012	777.74	757.55	-0.66
	4/2/2013	777.22	757.99	-0.63
	11/14/2013	777.30	757.80	-0.64
	5/13/2014	778.10	758.22	-0.65
	11/10/2014	777.60	757.79	-0.65
	5/18/2015	777.20	757.73	-0.64
	11/30/2015	777.71	757.70	-0.66
	4/20/2016	777.84	758.05	-0.65
	11/21/2016	777.28	757.80	-0.64
MW-28s/d	3/23/2010	779.15	779.11	-0.002
	5/10/2010	779.23	779.22	-0.0004
	9/2/2010	779.48	779.42	-0.002
	12/10/2010	778.82	778.82	0.000
	2/14/2011	778.38	778.38	0.000
	4/25/2011	779.21	779.17	-0.002
	7/19/2011	779.98	779.97	-0.0004
	10/3/2011	779.76	779.76	0.000
	1/3/2012	780.19	780.21	0.001
	4/2/2012	780.59	780.59	0.000
	7/2/2012	779.86	779.84	-0.001
	10/2/2012	778.62	778.62	0.000
	4/2/2013	777.97	777.95	-0.001
	11/14/2013	778.08	778.11	0.001
	5/13/2014	778.93	778.89	-0.002
	11/10/2014	778.44	778.43	-0.0004
	5/18/2015	777.89	777.89	0.000
	4/20/2016	778.64	778.60	-0.002
	11/21/2016	778.13	778.14	0.0004

Notes:
ft MSL - feet above mean sea level
* Anomalous, datum was not used.

Table 4
Vertical Gradient Calculations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Well Pair Location	Measurement Date	Shallow Groundwater Elevation (ft MSL)	Deep Groundwater Elevation (ft MSL)	Vertical Gradient (ft/ft)
MW-29s/d	3/23/2010	772.36	769.42	-0.065
	5/10/2010	772.66	769.56	-0.068
	9/2/2010	772.61	769.61	-0.066
	12/10/2010	771.98	769.88	-0.046
	2/14/2011	771.94	769.21	-0.060
	4/25/2011	772.76	769.26	-0.077
	7/19/2011	772.66	769.88	-0.061
	10/3/2011	772.68	769.93	-0.060
	4/2/2012	773.24	770.41	-0.062
	7/2/2012	772.76	769.73	-0.067
	10/2/2012	772.25	769.02	-0.071
	4/2/2013	771.79	768.87	-0.064
	11/14/2013	771.96	768.14	-0.084
	5/13/2014	772.66	769.26	-0.075
	11/10/2014	772.22	769.04	-0.070
	5/18/2015	772.13	768.64	-0.077
	4/20/2016	772.38	769.08	-0.073
	11/21/2016	771.93	768.81	-0.069
MW-30s/d	3/23/2010	777.80	777.81	0.001
	5/10/2010	777.94	777.98	0.003
	9/2/2010	777.79	777.86	0.005
	12/10/2010	777.33	777.39	0.004
	2/14/2011	776.95	777.03	0.006
	4/25/2011	778.11	778.41	0.021*
	7/19/2011	778.29	778.37	0.006
	10/3/2011	778.03	778.12	0.006
	1/3/2012	778.61	778.64	0.002
	4/2/2012	778.81	778.91	0.007
	7/2/2012	778.14	778.25	0.008
	10/2/2012	777.17	777.23	0.004
	4/2/2013	776.78	776.73	-0.003
	11/14/2013	776.83	776.86	0.002
	5/13/2014	777.63	777.66	0.002
	11/10/2014	777.11	777.14	0.002
	5/18/2015	776.78	776.79	0.001
	11/30/2015	777.22	777.26	0.003
	4/20/2016	777.46	777.55	0.006
	11/21/2016	776.85	776.85	0.000
	5/15/2017	778.15	778.16	0.001

Notes:
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* Anomalous, datum was not used.

Table 4
Vertical Gradient Calculations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Well Pair Location	Measurement Date	Shallow Groundwater Elevation (ft MSL)	Deep Groundwater Elevation (ft MSL)	Vertical Gradient (ft/ft)
MW-32s/d	11/14/2013	777.92	777.93	0.001
	5/13/2014	778.63	778.69	0.005
	7/15/2014	778.76	778.78	0.002
	11/10/2014	778.27	778.32	0.004
	5/18/2015	777.78	777.75	-0.002
	11/30/2015	778.25	778.38*	0.011*
	4/20/2016	778.52	778.61	0.008
	11/21/2016	777.88	777.93	0.004
MW-34s/d	11/14/2013	777.87	777.87	0.000
	5/13/2014	778.69	778.60	-0.004
	11/10/2014	778.29	778.28	-0.0005
	5/18/2015	777.82	777.78	-0.002
	11/30/2015	778.33	778.30	-0.001
	4/20/2016	778.68	778.62	-0.003
	11/21/2016	777.85	777.88	0.001
MW-35i/d	8/28/2013	777.70	777.74	0.002
	11/14/2013	777.39	777.35	-0.002
	3/27/2014	777.94	777.99	0.002
	5/13/2014	778.33	778.15	-0.008
	7/15/2014	778.10	778.16	0.003
	11/10/2014	777.83	777.82	-0.0005
	3/25/2015	777.52	777.60	0.004
	5/18/2015	777.38	777.33	-0.002
	11/30/2015	777.89	777.89	0.000
	4/20/2016	778.09	778.21	0.005
	7/25/2016	777.78	777.81	0.001
	11/21/2016	777.41	777.34	-0.003
	1/25/2017	777.68	777.74	0.003
	5/15/2017	778.98	778.94	-0.002
MW-36s/d	4/2/2013	777.42	777.44	0.001
	8/28/2013	777.75	777.80	0.003
	11/14/2013	777.43	777.48	0.003
	3/27/2014	777.93	777.81	-0.008
	5/13/2014	778.20	778.18	-0.001
	7/15/2014	778.18	778.22	0.003
	11/10/2014	777.86	777.91	0.003
	3/25/2015	777.53	777.49	-0.003
	5/18/2015	777.39	777.41	0.001
	11/30/2015	777.92	777.94	0.001
	4/20/2016	778.21	778.24	0.002
	7/25/2016	777.86	777.90	0.003
	11/21/2016	777.47	777.49	0.001
	1/26/2017	777.80	777.78	-0.001
	5/15/2017	778.93	778.94	0.001

Notes:
ft MSL - feet above mean sea level
* Anomalous, datum was not used.

Table 4
Vertical Gradient Calculations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Well Pair Location	Measurement Date	Shallow Groundwater Elevation (ft MSL)	Deep Groundwater Elevation (ft MSL)	Vertical Gradient (ft/ft)
MW-39s/d	4/2/2013	777.46	777.47	0.001
	8/28/2013	777.84	777.83	-0.001
	11/14/2013	777.50	777.47	-0.002
	3/27/2014	777.99	778.08	0.005
	5/13/2014	778.25	778.20	-0.003
	7/15/2014	778.22	778.28	0.003
	11/10/2014	777.89	777.92	0.002
	3/25/2015	777.56	777.57	0.001
	5/18/2015	777.43	777.47	0.002
	11/30/2015	777.89	777.95	0.003
	4/20/2016	778.36	778.36	0.000
	7/25/2016	777.86	777.93	0.004
	11/21/2016	777.49	777.53	0.002
	1/26/2017	777.84	777.85	0.001
	5/15/2017	779.04	779.06	0.001
MW-40s/d	4/2/2013	754.37	754.38	0.001
	8/28/2013	754.43	754.43	0.000
	11/14/2013	754.16	754.14	-0.001
	3/27/2014	753.44	754.41	0.055*
	5/13/2014	754.46	754.41	-0.003
	7/15/2014	754.25	754.28	0.002
	11/10/2014	754.11	754.18	0.004
	3/25/2015	754.03	754.05	0.001
	5/18/2015	754.04	754.00	-0.002
	4/20/2016	754.29	754.34	0.003
	7/25/2016	754.35	754.33	-0.001
	11/21/2016	754.11	754.15	0.002
	1/26/2017	754.34	754.30	-0.002
MW-44s/i	12/2/2016	777.31	777.45	0.013
	1/27/2017	777.54	777.54	0.000
	5/15/2017	778.70	778.72	0.002
MW-45s/i	12/2/2016	777.00	777.02	0.002
	1/27/2017	777.16	777.19	0.003
	5/15/2017	778.31	778.32	0.001

Notes:
ft MSL - feet above mean sea level
* Anomalous, datum was not used.

Table 5
Summary of Field Parameters at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

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	2.40	30.1	13.34
	5/18/2010	7.45	631	110	2.10	10.0	11.9
	9/10/2010	NM	678	29	3.40	38.0	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
	7/28/2011	7.61	720	-74	0.20	21.8	15.40
	10/6/2011	7.16	692	33.1	41.3*	0.50	15.60
	1/9/2012	7.04	628	67	3.11	0.00	13.43
	4/4/2012	7.39	573	30	3.26	9.50	12.93
	7/11/2012	7.41	620	35	3.23	9.00	15.00
	10/8/2012	7.73	586	6	2.77	10.2	15.68
	6/11/2013	7.33	546	27	1.87	8.20	13.44
	11/12/2013	7.11	695	24	4.29	25.9	13.78
	5/21/2014	7.46	750	46	4.36	30.1	11.67
	11/26/2014	7.21	775	67	7.26	31.9	12.49
	5/21/2015	7.38	644	174.5	3.36	2.36	10.10
	4/28/2016	7.89	785	94	5.39	30.5	9.99
	12/2/2016	6.77	1,003	161	5.55	25.9	13.22
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	1.20	84.0	13.9
	9/10/2010	NM	1,413	35	1.60	49.0	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
	7/28/2011	7.66	1,380	54	1.50	19.1	16.55
	10/7/2011	7.30	1,602	116.9	46.2*	6.08	15.48
	1/10/2012	7.11	2,120	119	2.98	1.30	14.43
	4/5/2012	7.23	1,290	23	1.92	9.20	13.91
	7/11/2012	7.41	1,028	45	1.62	15.0	16.04
	10/25/2012	7.42	1,016	109	2.48	69.8	15.90
	6/11/2013	7.04	1,051	185	1.18	9.30	14.48
	11/12/2013	6.88	1,160	140	2.09	26.9	13.58
	5/19/2014	7.51	1,146	21	1.07	25.0	13.61
	11/29/2014	7.25	1,560	37	2.55	32.0	13.05
	5/51/2015	7.49	1,155	46.5	1.76	5.92	12.55
	12/4/2015	7.21	1,135	74	2.20	29.8	12.83
	4/29/2016	8.17	1,680	54	2.85	29.5	12.21
	12/2/2016	7.21	1,025	10	2.63	28.7	12.79
	5/16/2017	7.36	1,493	77	2.90	57.0	12.3

Notes:
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Table 5
Summary of Field Parameters at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
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	0.80	10.0	13.4
	9/10/2010	NM	1,320	11	0.50	39.0	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
	7/28/2011	7.14	1,347	50	0.93	19.5	17.83
	10/6/2011	6.80	1,294	63.0	28.8*	2.85	17.71
	1/10/2012	6.79	1,436	130	1.37	0.00	12.15
	4/4/2012	6.99	1,453	37	1.11	9.30	10.84
	7/11/2012	6.96	1,640	43	0.74	11.2	17.31
	10/8/2012	7.32	1,510	23	0.47	12.0	18.31
	6/3/2013	7.09	1,054	31	0.88	13.0	12.17
	11/11/2013	6.90	1,428	75	0.67	26.9	15.88
	5/19/2014	6.99	972	133	2.24	24.0	10.21
	11/29/2014	6.82	1,234	49	0.89	29.9	13.59
	5/21/2015	7.04	1,022	70.5	0.29	2.33	10.24
	12/3/2015	7.01	1,063	37	0.74	23.0	14.39
	4/29/2016	7.60	1,120	89	3.99	27.4	10.07
	12/2/2016	6.85	1,205	27	1.00	28.1	14.82
	5/16/2017	7.03	945	99.9	3.20	15.5	11.6
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	0.40	5.00	13.6
	9/17/2010	7.03	817	49	0.35	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
	7/28/2011	7.26	777	-10	0.67	18.3	17.98
	10/6/2011	6.94	721	-20.0	13.8*	1.00	18.60
	1/10/2012	6.87	770	20	0.53	0.00	16.03
	4/4/2012	7.09	865	13	0.92	6.90	14.49
	7/11/2012	7.15	1,036	-2	0.28	9.70	17.73
	10/8/2012	7.39	926	-24	0.25	11.7	18.64
	6/3/2013	7.26	724	31	0.61	7.70	14.65
	11/11/2013	7.09	943	-8	0.58	26.1	16.63
	5/19/2014	6.57	655	180	1.80	23.0	12.69
	11/29/2014	6.90	826	16	0.53	28.0	15.31
	5/21/2015	7.21	682	91.0	0.30	1.25	12.41
	12/3/2015	7.26	711	29	0.47	23.0	15.40
	4/29/2016	7.89	751	67	0.85	27.0	12.42
	12/2/2016	6.50	772	16	0.72	27.5	14.92
	5/16/2017	7.34	625	101.5	3.50	1.2	13.1

Notes:
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Table 5
Summary of Field Parameters at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
MW-04i	4/3/2013	7.08	865	-19	0.32	5.35	14.87
	6/3/2013	7.28	923	-68	0.29	11.9	16.06
	8/29/2013	7.22	1,013	-76	0.25	21.0	17.53
	11/11/2013	7.17	1,141	-89	0.26	27.6	15.77
	3/27/2014	7.23	1,070	-40	0.12	22.0	14.00
	5/19/2014	7.23	868	-54	0.21	27.9	15.07
	7/18/2014	6.69	944	31	0.30	28.0	14.82
	11/29/2014	7.04	1,130	-66	0.19	30.0	14.80
	3/26/2015	7.23	959	-55.8	0.87	2.04	13.48
	5/21/2015	7.21	867	-29.0	0.23	2.80	13.61
	12/4/2015	6.95	889	-25	0.25	24.0	14.48
	4/29/2016	7.93	960	-20	0.49	29.5	13.22
	7/29/2016	7.41	922	-86	0.92	29.8	14.94
	12/2/2016	7.05	991	-88	0.58	28.5	14.60
	1/27/2016	7.32	918	-27	0.24	2.0	13.73
	5/16/2017	7.15	907	-66.5	0.20	11.0	14.3
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	1.80	10.0	11.8
	9/9/2010	NM	886	46	3.50	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
	7/27/2011	7.47	880	136	4.80	25.8	13.00
	10/10/2011	7.13	999	74.4	7.19	3.35	13.06
	1/9/2012	6.64	999	192	5.62	6.84	11.74
	4/9/2012	7.43	972	47	5.94	11.0	12.73
	7/10/2012	7.48	993	71	3.91	13.5	13.31
	10/25/2012	7.31	979	275	5.99	69.5	12.78
	11/8/2013	7.06	772	139	6.12	28.1	11.85
	11/25/2014	7.30	1,052	106	4.94	38.0	11.66
	12/1/2016	6.86	1,044	134	4.80	27.5	12.06

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Former Tecumseh Products Company Site
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Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
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	0.70	39.0	12.6
	9/10/2010	NM	1,254	116	0.90	47.0	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
	7/27/2011	7.17	1,175	150	1.68	22.0	13.64
	10/5/2011	6.53	1,183	93.8	31.9*	0.50	13.60
	1/9/2012	7.01	988	193	1.53	5.66	11.95
	4/3/2012	7.36	1,220	30	1.95	9.00	12.69
	7/10/2012	7.26	1,560	73	2.10	14.0	13.45
	10/4/2012	6.69	805	-19.8	1.85	4.27	13.87
	11/7/2013	7.26	1,038	66	1.40	26.1	12.90
	11/24/2014	7.41	503	124	3.75	33.0	12.21
	12/1/2016	6.80	990	154	1.20	27.5	12.72
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	1.50	10.0	11.80
	9/10/2010	NM	833	109	3.20	39.0	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
	7/27/2011	7.44	806	138	4.15	26.3	13.73
	10/10/2011	7.16	708	79.5	5.67	4.40	14.77
	1/9/2012	7.10	858	182	4.03	1.35	12.22
	4/9/2012	7.33	912	19	3.58	9.50	13.12
	7/10/2012	7.30	1,090	65	2.25	12.0	13.69
	10/19/2012	7.58	969	-10	2.50	106	13.60
	11/8/2013	6.80	711	143	3.52	26.5	12.37
	11/25/2014	7.24	844	97	3.27	36.8	11.94
	12/1/2016	6.90	979	139	3.68	27.0	12.70
MW-08s	12/10/2009	7.49	828	119	8.60	NM	10.91

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Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
MW-08d	4/2/2013	6.95	771	-5	0.31	1.90	11.40
	6/11/2013	7.20	1,230	-45	0.12	16.0	14.77
	8/28/2013	7.19	1,040	-56	0.22	18.9	14.57
	11/13/2013	7.06	1,019	-73	0.45	29.9	10.93
	3/26/2014	8.56	1,188	-126	0.25	31.3	10.89
	5/21/2014	7.22	1,214	-58	0.22	31.5	14.37
	7/16/2014	7.15	825	-31	0.21	30.8	12.89
	11/13/2014	7.20	901	-53	0.43	38.7	11.31
	3/24/2015	7.21	878	-10.8	0.72	5.35	11.50
	5/26/2015	7.12	1,145	-25	0.19	6.76	12.93
	4/21/2016	7.79	977	-26	0.25	60.0	12.23
	7/26/2016	7.37	1,108	-59	0.30	29.5	14.39
	11/22/2016	6.44	1,011	-70	0.35	29.8	11.09
	1/23/2017	7.46	838	-61	0.35	--	12.02
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	3.00	19.0	10.40
	9/17/2010	7.29	709	58	2.54	46.7	16.92
	2/25/2011	7.45	663	11	6.39	30.0	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	0.40	28.0	8.10
	9/3/2010	NM	925	-29	0.30	56.0	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
	7/20/2011	7.24	878	-22	0.11	21.0	14.35
	10/4/2011	7.00	810	24.5	4.30*	2.00	14.88
	1/4/2012	6.77	754	109	0.21	24.9	9.65
	4/2/2012	7.20	785	-26	0.26	10.5	8.35
	7/5/2012	7.20	1,163	-21	0.16	16.0	13.14
	10/3/2012	6.73	806	-28.6	0.47	10.19	14.44
	6/12/2013	7.38	402	-10	0.15	11.8	10.30
	11/14/2013	6.88	921	-17	0.31	34.5	13.05
	5/22/2014	7.46	573	60	0.48	48.9	8.50
	11/21/2014	7.12	401	6.8	0.31	2.79	11.79
	5/28/2015	7.20	563	65.3	0.29	17.4	7.70
	4/27/2016	7.69	695	141	0.70	29.5	7.60
	11/29/2016	6.89	833	11	0.35	30.0	12.95
MW-10d	12/9/2009	6.98	1,150	6	1.69	0.88	10.05
	12/2/2015	7.26	814	-20	0.22	23.5	11.78

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Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
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	2.70	85.0	12.1
	9/3/2010	NM	828	109	5.40	98.0	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
	7/22/2011	7.06	878	96	6.62	29.0	13.52
	10/7/2011	7.11	1,021	109.6	51.6*	6.40	12.68
	1/4/2012	6.96	930	122	5.81	28.5	11.34
	4/5/2012	7.24	1,220	64	7.35	24.3	11.95
	7/6/2012	7.11	1,022	65	6.98	19.0	13.60
	10/12/2012	6.74	701	205	0.18	43.7	11.96
	11/4/2013	7.20	782	86	10.28	33.0	12.17
	11/24/2014	7.13	958	133	6.40	38.5	11.46
	11/30/2016	6.96	1,157	113	7.49	31.0	12.02
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	2.70	10.0	10.6
	9/3/2010	NM	1,650	108	5.40	46.0	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
	7/20/2011	6.89	1,580	149	6.69	24.5	13.80
	10/7/2011	7.21	1,016	84.0	59.0*	5.35	15.60
	1/4/2012	6.94	1,201	123	4.35	21.6	12.01
	4/6/2012	6.97	1,142	40	6.06	9.30	10.43
	7/9/2012	7.26	1,103	48	6.20	13.0	13.85
	10/12/2012	8.33	867	14	6.06	185	15.55
	5/30/2013	7.27	1,490	82	5.84	14.0	12.32
	11/7/2013	6.84	1,145	88	8.11	32.7	13.90
	5/14/2014	7.15	2,290	49	6.31	24.0	10.30
	11/19/2014	7.21	882	74.5	7.61	0.22	12.90
	5/28/2015	7.14	1,320	123	3.78	1.85	10.60
	12/2/2015	7.56	1,350	45	6.44	26.9	13.88
	4/26/2016	7.26	1,950	56	4.81	29.5	10.87
	11/28/2016	7.00	1,345	48	7.10	29.0	14.28

Notes:
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Table 5
Summary of Field Parameters at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
MW-12d	3/18/2010	7.14	1,780	-94	0.23	59.2	12.07
	5/14/2010	7.19	1,880	-46	0.20	15.0	12.2
	9/3/2010	NM	2,200	-93	0.30	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	14.78
	7/20/2011	6.97	2,450	-62	0.13	21.0	14.36
	10/7/2011	7.12	1,568	31.0	17.5*	6.50	14.89
	1/4/2012	6.94	2,040	-50	0.11	22.0	10.96
	4/6/2012	7.00	1,800	-75	0.70	9.7	11.77
	7/9/2012	7.19	1,620	-86	0.20	12.5	14.59
	10/12/2012	8.43	1,208	-141	0.26	199	12.91
	5/31/2013	7.22	1,650	-73	0.21	14.8	13.88
	11/7/2013	7.15	1,640	-61	0.28	27.9	11.86
	5/15/2014	7.06	1,670	-34	0.45	29.0	12.04
	11/19/2014	7.18	1,124	-63.1	0.25	19.1	11.56
	5/28/2015	7.13	1,591	-29	0.24	19.5	12.12
	12/3/2015	7.23	1,690	-27	0.25	35.0	11.86
	4/26/2016	7.34	1,620	-60	0.95	28.0	12.50
	11/29/2016	6.96	1,790	-50	0.49	30.0	12.79
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	1.50	10.0	11.40
	9/3/2010	NM	2,170	71	2.60	44.0	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
	7/20/2011	6.91	2,610	77	4.79	22.6	15.59
	10/10/2011	6.78	1,976	114.9	3.49	4.79	14.74
	1/4/2012	6.74	2,160	50	3.04	23.4	12.10
	4/9/2012	6.93	2,240	164	6.52	9.0	10.30
	7/10/2012	6.69	1,980	117	3.00	19.0	13.85
	10/12/2012	8.32	1,323	-11	2.53	123	15.06
	5/31/2013	7.01	2,570	85	3.40	11.2	13.12
	11/7/2013	6.84	3,000	94	2.75	29.9	13.75
	5/15/2014	6.96	2,840	46	4.35	37.8	10.57
	11/25/2014	6.96	2,550	91	3.18	42.0	11.40
	5/28/2015	6.93	2,105	105.3	2.77	8.84	12.26
	4/27/2016	7.49	3,170	95	3.00	29.5	12.60
	12/2/2016	7.06	1,735	42.2	2.37	3.26	14.17

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Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
MW-14s	12/8/2009	7.04	1,251	52	1.26	9.4	11.69
	3/15/2010	7.39	610	-7	4.83	29.9	6.63
	5/12/2010	6.96	733	197	3.00	4.50	9.9
	9/3/2010	NM	1,338	57	0.50	35.0	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
	7/21/2011	7.11	912	48	0.80	18.0	19.55
	10/7/2011	6.94	1,215	124.8	14.7*	0.23	16.85
	1/4/2012	7.08	837	49	2.67	22.3	8.08
	4/5/2012	7.25	667	14	3.46	9.50	9.13
	7/3/2012	6.99	897	22	0.99	14.4	17.98
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
	7/21/2011	7.24	1,264	75	1.55	37.5	14.84
	10/4/2011	7.18	974	145.7	12.0*	10.5	11.28
	1/4/2012	7.03	1,223	64	1.63	28.4	9.80
	4/2/2012	7.15	1,241	29	1.40	17.8	12.03
	7/3/2012	7.13	1,378	41	1.76	46.0	15.48
	10/4/2012	6.47	951	-4.1	2.11	4.99	11.86
	6/12/2013	7.23	982	77	1.87	17.2	13.02
	11/14/2013	6.75	969	152	2.08	37.8	11.11
	5/22/2014	6.78	1,137	144	3.03	68.5	11.92
	7/16/2014	7.21	1,023	64	2.33	34.0	12.10
	11/20/2014	7.20	678	49.2	2.71	6.17	10.71
	3/23/2015	7.20	1,119	106.0	2.34	4.72	11.41
	5/28/2015	7.25	1,048	34.5	1.19	5.50	13.25
	12/2/2015	7.42	1,116	65	2.02	30.5	11.47
	4/26/2016	7.35	1,186	57	2.00	28.5	11.91
	7/26/2016	7.18	1,223	48	1.88	29.0	13.23
	11/29/2016	6.84	1,287	51	2.65	34.0	12.42
	1/23/2017	7.36	1,110	22	2.29	--	11.98

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Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
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	2.40	52.0	12.80
	9/8/2010	NM	895	129	5.50	59.0	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
	5/12/2011	7.20	720	48	5.83	25.0	11.95
	7/25/2011	7.04	1,043	123	4.92	20.0	13.24
	10/7/2011	6.95	622	129.4	48.7*	5.98	11.61
	1/5/2012	6.98	595	189	4.88	6.03	11.02
	4/5/2012	7.20	741	54	4.03	12.9	11.71
	7/9/2012	7.10	908	72	6.23	13.5	12.46
	10/2/2012	6.96	405	0	8.39	7.35	12.18
	11/5/2013	7.10	666	88	6.10	28.2	11.77
	11/25/2014	7.03	757	80	5.17	39.0	10.88
	11/30/2016	6.86	792	69	4.27	30.5	11.68
MW-17s	12/7/2009	7.32	810	124	8.06	8.5	8.82
	3/18/2010	7.47	847	28	3.27	29.2	5.19
	5/12/2010	7.35	870	218	3.10	10.0	9.10
	9/8/2010	NM	1,136	115	4.60	58.0	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
	7/21/2011	7.02	1,119	146	6.80	19.4	14.80
	10/4/2011	6.93	816	117.0	50.5*	NM	14.05
	1/5/2012	6.93	924	190	3.95	4.5	6.70
	4/2/2012	6.27	919	84	4.31	11.5	8.41
	7/3/2012	6.89	1,235	142	4.86	19.0	14.89
	10/3/2012	6.76	732	-4.6	5.84	10.0	13.97
	5/29/2013	7.07	897	81	3.92	15.0	11.65
	3/28/2014	7.34	818	146	3.68	29.5	4.70
	5/22/2014	7.25	1,012	67	3.97	39.0	10.24
	11/11/2014	7.02	810	126	5.25	31.7	11.48
	5/19/2015	7.14	859	169.5	6.07	12.5	9.22
	12/4/2015	7.22	915	94.0	4.59	39.5	9.80
	4/22/2016	7.87	937	70.0	4.24	60.0	8.16
	11/29/2016	6.89	1,053	40	3.15	30.0	10.51

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Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
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	32.0	11.77
	5/9/2011	7.25	2,620	53	5.63	33.5	12.68
	7/22/2011	7.29	1,820	47	4.92	28.1	13.60
	10/5/2011	NM	1,164	110.8	33.2*	6.00	13.23
	1/5/2012	7.04	1,590	203	4.21	7.58	11.78
	4/3/2012	7.29	1,840	38	5.65	32.0	11.56
	7/6/2012	7.33	1,428	35	5.09	15.0	13.93
	10/4/2012	6.71	823	-5.9	3.92	7.58	13.03
	11/4/2013	7.28	1,298	64	6.71	32.5	12.88
	11/21/2014	7.32	752	79.4	5.66	8.02	12.07
	11/30/2016	6.94	1,453	114	4.23	30.8	12.79
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	0.60	10.0	11.6
	9/10/2010	NM	1,470	114	2.70	43.0	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
	7/25/2011	7.17	1,310	30	1.17	19.5	16.90
	10/5/2011	NM	990	-170.4	18.0*	0.50	14.10
	1/5/2012	6.89	1,302	194	2.53	1.50	11.89
	4/3/2012	7.12	1,173	25	1.22	9.30	12.75
	7/10/2012	7.05	1,446	76	2.44	12.0	13.61
	10/4/2012	6.65	701	-36.9	1.13	7.21	14.35
	11/7/2013	7.14	809	50	0.73	26.2	12.70
	11/24/2014	6.87	1,232	149	2.47	29.0	12.32
	11/30/2016	6.90	1,123	19	1.24	29.0	13.05

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Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
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	0.40	23.0	11.7
	9/8/2010	NM	1,219	-103	0.20	80.0	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
	7/25/2011	7.20	1,293	-116	0.12	22.0	16.20
	10/5/2011	NM	985	-220.0	2.80*	0.50	15.10
	1/5/2012	7.09	1,041	-72	0.26	7.49	10.78
	4/3/2012	7.22	1,143	-119	0.23	25.9	12.15
	7/10/2012	NM	1,172	85	0.20	29.5	14.02
	10/4/2012	6.68	901	-61.5	1.94	4.88	13.75
	11/7/2013	7.41	866	-110	0.29	30.9	11.90
	5/20/2014	7.26	898	-86	0.29	42.0	14.31
	11/25/2014	7.10	1,056	-90	0.22	39.0	10.45
	11/30/2016	7.10	1,126	-103	0.23	39.5	12.74
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	1.40	47.0	10.7
	9/10/2010	NM	512	109	1.00	42.0	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
	7/25/2011	7.45	487	38	2.48	19.9	17.50
	10/10/2011	7.14	478	57.2	1.65	4.86	17.25
	1/9/2012	7.22	528	204	3.06	3.25	9.15
	4/9/2012	6.90	520	56	4.97	9.7	10.07
	7/10/2012	7.38	529	27	1.52	12.8	17.58
	10/19/2012	7.71	439	1	1.54	11.2	16.48
	5/31/2013	7.47	550	58	4.30	15.0	13.10
	11/8/2013	7.49	477	35	2.60	26.3	15.17
	5/15/2014	7.33	613	50	5.05	26.9	9.88
	7/16/2014	7.14	527	94	2.10	31.0	15.60
	11/26/2014	7.07	581	148	3.15	37.0	12.88
	3/25/2015	7.36	637	133.9	3.16	2.00	7.36
	5/20/2015	7.37	566	50.9	NM	5.77	10.60
	12/3/2015	6.77	626	139	1.47	25.5	13.25
	4/28/2016	7.46	635	192	4.59	39.5	9.80
	7/28/2016	7.29	623	27	2.47	33.6	18.45
	12/1/2016	7.11	650	4	1.60	27.9	13.67
	1/26/2017	7.47	587	60	2.56	7.0	9.15
	5/17/2017	7.24	549	55.0	3.58	4.2	12.2

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Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
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	0.30	10.0	10.4
	9/10/2010	NM	1,184	-30	0.30	49.0	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
	7/25/2011	7.24	1,155	-135	0.24	19.0	16.69
	10/10/2011	7.01	1,057	-73.0	1.30	0.50	14.87
	1/9/2012	6.98	1,106	-167	0.23	0.00	11.55
	4/9/2012	7.21	1,127	-139	0.31	20.0	12.11
	7/10/2012	7.39	1,237	-236	0.19	9.30	15.25
	10/19/2012	7.66	982	-201	0.24	9.00	13.99
	6/3/2013	7.17	1,056	-151	0.30	11.1	11.83
	11/8/2013	7.40	944	-128	0.35	26.1	12.78
	5/15/2014	7.27	976	-179	0.20	25.0	12.14
	7/16/2014	7.27	986	-110	0.16	28.5	14.24
	11/26/2014	7.12	1,065	-127	0.37	30.0	12.36
	3/25/2015	7.29	979	-95.8	0.57	4.18	11.92
	5/20/2015	7.32	847	-89.9	NM	8.84	12.51
	12/3/2015	7.10	938	-70	0.40	23.0	11.45
	4/28/2016	7.56	1,039	-71	0.56	27.0	10.85
	7/28/2016	7.42	964	-115	0.76	28.6	16.11
	12/1/2016	7.15	1,054	-124	0.50	27.1	12.18
	1/26/2017	7.49	944	-36.8	0.33	0.6	11.20
	5/17/2017	7.13	950	-87.5	0.40	2.0	15.3

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Table 5
Summary of Field Parameters at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
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	1.80	8.00	12.2
	10/15/2010	6.91	1,160	180	4.20	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
	7/28/2011	7.32	1,141	60	3.21	18.0	13.42
	10/6/2011	6.95	971	65.3	65.0*	0.39	13.18
	1/10/2012	6.90	1,105	103	3.94	3.00	12.31
	4/4/2012	7.04	1,031	52	3.51	8.7	13.03
	7/11/2012	7.20	1,233	66	3.80	12.8	14.20
	10/8/2012	7.59	1,206	60	4.13	13.5	12.91
	3/7/2013	7.13	950	-74	1.77	1.82	12.32
	6/11/2013	7.06	943	79	0.28	9.50	13.47
	8/29/2013	7.12	1,001	41	0.88	17.6	13.49
	11/12/2013	6.98	1,183	83	2.52	26.1	12.13
	3/27/2014	7.19	1,131	130	1.33	19.5	12.08
	5/19/2014	7.15	1,135	54	2.63	23.6	14.29
	7/18/2014	7.00	1,007	123	2.74	26.0	12.51
	11/29/2014	7.05	1,160	55	3.35	28.0	11.90
	3/25/2015	7.19	1,057	93.9	3.94	0.86	12.40
	5/21/2015	7.15	1,131	69.9	2.58	2.70	12.64
	12/4/2015	7.16	1,072	89.0	4.15	26.0	12.18
	4/22/2016	7.97	1,043	60.0	3.80	33.0	13.18
	7/29/2016	6.85	1,047	181	4.05	28.2	13.24
	12/2/2016	6.86	1,145	141	4.83	28.5	12.37
	1/26/2017	7.35	932	67.8	3.70	6.75	12.11

Notes:
S.U. = standard pH units
umhos/cm = micromhos per centimeter
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Table 5
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Former Tecumseh Products Company Site
Tecumseh, Michigan

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	4.9	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	9.2	9.20
	9/10/2010	NM	1,357	-114	0.2	41.0	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
	7/21/2011	7.13	1,147	-107	0.16	22.7	11.25
	10/4/2011	6.72	981	-36.3	3.0*	4.0	10.90
	1/9/2012	6.95	1,163	-79	0.39	1.35	10.06
	4/5/2012	6.63	1,156	-60	0.30	9.3	9.50
	7/3/2012	7.09	1,365	-125	0.29	20.5	11.70
	10/3/2012	6.46	822	-76.6	0.76	2.55	10.90
	5/29/2013	7.23	1,164	-110	0.36	11.7	11.42
	3/28/2014	7.31	1,024	-93	0.23	29.0	8.97
	5/22/2014	7.14	1,275	-76	0.22	39.0	9.95
	7/17/2014	7.29	1,063	-91	0.32	49.3	10.50
	11/11/2014	7.10	915	-100	0.97	28.7	11.26
	3/23/2015	7.24	1,043	-74.6	0.92	2.55	9.75
	5/19/2015	7.28	984	-70.5	0.95	5.50	9.35
	4/22/2016	8.14	1,094	-87	0.40	40.0	10.40
	7/28/2016	7.38	1,098	-99	1.50	31.2	11.97
	11/29/2016	7.05	1,196	-94	0.53	28.5	11.34
	1/24/2017	7.46	1,127	-56.0	3.1	9.5	10.57

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Table 5
Summary of Field Parameters at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
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	0.20	10.0	10.60
	9/10/2010	NM	1,550	-87	0.20	44.0	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
	7/25/2011	7.17	1,424	-98	0.10	23.0	13.85
	10/5/2011	7.00	1,050	-48.3	12.8*	4.00	15.92
	11/4/2011	5.64	1,709	NM	NM	4.94	14.70
	1/9/2012	6.89	1,390	-77	0.24	3.00	13.12
	4/3/2012	7.10	1,413	-104	0.23	16.6	12.30
	7/10/2012	7.05	1,660	-92	0.15	13.8	14.66
	10/8/2012	6.27	1,630	49	0.16	29.2	15.53
	5/31/2013	7.16	1,305	-80	0.16	12.6	13.05
	11/8/2013	7.20	1,174	-98	0.28	25.5	14.65
	5/15/2014	7.12	1,239	-30	0.61	25.0	10.61
	7/17/2014	7.16	1,268	-71	0.20	31.8	13.03
	11/25/2014	7.03	1,441	-80	0.27	37.0	13.10
	3/25/2015	7.17	1,320	-61.7	0.83	3.34	11.17
	5/20/2015	7.19	1,270	-51	NM	5.61	10.85
	12/3/2015	6.91	1,326	-41	0.23	29.5	13.31
	4/27/2016	7.84	1,520	-60	0.49	39.5	11.87
	7/28/2016	7.28	1,374	-88	0.70	29.5	14.28
	12/1/2016	7.04	1,550	-106	0.25	29.0	13.98
	1/26/2017	7.31	1,432	-50	0.26	6.0	12.45
	5/16/2017	7.01	1,479	-88.5	0.19	3.8	11.8

Notes:
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Table 5
Summary of Field Parameters at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
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	1.70	10.0	11.3
	9/8/2010	NM	1,495	54	3.20	43.0	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
	7/19/2011	7.09	1,820	123	3.82	19.2	14.69
	10/4/2011	6.82	1,137	125.3	20.0*	1.00	14.66
	1/5/2012	7.10	1,087	70	3.81	3.78	13.33
	4/2/2012	7.08	1,498	77	2.95	12.6	11.79
	7/5/2012	7.32	1,950	49	4.24	15.0	14.95
	10/3/2012	6.93	582	-20.6	3.72	4.28	14.97
	5/29/2013	7.31	1,109	86	1.61	12.0	13.25
	11/4/2013	6.15	1,199	180	0.69	27.9	13.84
	5/14/2014	6.99	941	129	2.24	26.0	11.68
	11/17/2014	7.21	841	28.4	2.52	3.05	12.61
	5/27/2015	7.34	843	49.5	1.00	3.70	12.10
	12/2/2015	6.98	1,700	102	1.88	23.0	13.80
	4/25/2016	6.91	1,110	227	3.99	31.9	11.54
	11/22/2016	6.37	955	40	1.42	30.0	13.82
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	9.0	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
	7/19/2011	6.92	3,910	-56	0.16	19.2	18.85
	10/4/2011	6.84	3,163	-3.0	2.9*	5.8	14.65
	1/5/2012	6.80	3,560	-53	0.23	0.0	11.85
	4/2/2012	7.03	3,300	-76	0.39	15.0	11.96
	7/5/2012	7.14	3,640	-89	0.20	16.1	18.61
	10/3/2012	6.70	2,350	-39.7	0.70	3.76	13.59
	5/30/2013	7.18	2,910	-86	0.20	10.6	14.12
	11/4/2013	7.10	2,590	-87	0.22	31.8	12.42
	5/14/2014	7.15	2,490	-42	0.42	29.5	13.25
	11/17/2014	7.22	1,691	-69.8	0.20	7.86	11.52
	5/27/2015	7.12	2,248	-29	0.20	5.75	14.48
	12/2/2015	7.16	1,860	-29	0.22	26.5	11.88
	4/25/2016	7.02	2,140	-37	2.39	48.5	12.41
	11/22/2016	6.37	2,040	-60	0.27	30.0	12.44

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Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
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
	7/28/2011	7.02	835	92	2.01	21.0	12.73
	10/10/2011	6.77	825	79.3	3.21	5.29	13.34
	1/5/2012	6.87	820	65	2.22	0.88	11.79
	4/9/2012	7.11	877	65	3.98	14.8	11.92
	7/11/2012	6.98	969	99	1.81	13.9	12.04
	10/25/2012	7.16	889	255	1.79	72.0	12.90
	6/3/2013	7.12	831	32	2.48	9.90	11.43
	11/8/2013	7.19	734	49	2.07	27.0	12.33
	5/16/2014	7.11	744	111	2.65	25.0	10.04
	7/16/2014	7.14	849	84	1.99	29.0	11.60
	11/25/2014	6.94	952	58	1.74	31.6	11.20
	3/24/2015	7.12	935	84.4	1.72	1.77	10.93
	5/28/2015	7.15	828	49	0.99	3.22	11.88
	4/27/2016	7.73	935	74	2.18	29.0	11.58
	7/26/2016	7.10	856	60	3.11	29.0	12.99
	11/30/2016	6.75	957	52	2.01	27.9	12.94
	1/24/2017	7.05	880	59	1.65	--	12.10
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	12.78
	7/25/2011	7.16	917	-76	0.21	19.5	15.85
	10/7/2011	6.99	1,005	-8.7	13.7*	2.67	12.55
	1/5/2012	6.93	1,264	-27	0.48	0.55	11.68
	4/5/2012	5.96	942	88	0.23	11.5	12.60
	7/9/2012	7.02	1,156	-68	0.32	11.9	13.49
	10/2/2012	6.93	680	-49.8	1.30	3.08	13.53
	11/5/2013	6.83	997	-9	0.68	26.1	12.81
	11/25/2014	7.06	1,033	-17	0.32	34.5	11.31
	11/30/2016	7.05	1,223	-34	0.38	30.3	12.45

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Former Tecumseh Products Company Site
Tecumseh, Michigan

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
	7/21/2011	7.27	1,780	-34	0.16	29.0	18.90
	10/5/2011	6.10	1,268	8.4	2.3*	8.00	16.99
	1/6/2012	7.04	1,172	120	0.38	3.35	9.96
	4/3/2012	7.12	1,373	-31	0.24	12.6	9.71
	7/5/2012	7.01	1,459	-67	0.16	15.0	15.96
	10/4/2012	6.68	1,239	-44.6	0.94	1.03	16.99
	6/12/2013	7.27	1,228	86	0.16	16.5	14.26
	11/14/2013	6.65	1,228	131	0.34	31.9	13.57
	5/22/2014	7.20	1,720	59	1.27	41.0	11.60
	11/17/2014	7.09	1,033	26.4	0.26	5.18	12.53
	5/27/2015	7.21	1,585	52.8	0.26	23.8	11.64
	12/1/2015	7.02	1,600	142	0.31	27.0	12.78
	4/26/2016	6.85	1,520	175	2.39	31.9	10.27
	11/22/2016	6.37	1,560	16	0.30	34.0	13.92
MW-27d	3/23/2010	7.27	1,175	-108	0.21	23.9	12.79
	5/17/2010	6.90	1,429	127	0.30	3.00	12.7
	9/9/2010	NM	1,468	-12	0.40	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
	7/22/2011	6.88	1,385	-41	0.36	20.0	15.10
	10/5/2011	6.23	1,231	3.0	3.3*	0.10	13.87
	1/6/2012	7.01	1,372	23	0.33	0.00	11.48
	4/3/2012	7.17	1,328	-20	0.84	9.60	12.03
	7/5/2012	7.11	1,500	-56	0.28	9.80	15.14
	10/4/2012	6.67	1,194	-38.8	0.78	1.11	13.49
	6/12/2013	6.90	1,185	96	0.25	12.9	15.75
	11/14/2013	6.91	1,148	-46	0.28	26.5	11.78
	5/22/2014	7.27	1,475	60	0.31	35.5	15.50
	11/17/2014	7.15	920	-17.5	0.24	0.54	11.35
	5/27/2015	7.15	1,205	59.5	0.18	4.57	13.85
	12/1/2015	7.06	1,404	138	0.29	23.8	12.22
	4/26/2016	7.01	1,302	149	1.49	26.0	13.44
	11/22/2016	6.36	1,448	23	0.37	28.7	11.92

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Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
MW-28s	3/23/2010	7.30	778	-1	1.93	22.2	11.50
	5/17/2010	7.48	1,260	148	1.50	10.0	12.1
	9/9/2010	NM	779	42	1.50	41.0	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
	7/22/2011	7.08	880	57	1.87	20.0	12.81
	10/7/2011	7.26	688	88.7	28.3*	2.84	13.08
	1/6/2012	7.12	833	99	2.05	0.55	11.87
	4/6/2012	7.19	654	15	2.35	9.3	11.04
	7/6/2012	6.96	697	114	2.37	10.8	13.33
	10/12/2012	8.29	559	99	2.71	29.0	12.24
	11/4/2013	7.09	665	49	1.66	26.3	12.25
	11/19/2014	7.21	746	92	3.72	2.47	11.33
	11/22/2016	6.31	1,104	20	2.26	30.9	12.21
MW-28d	3/23/2010	7.26	827	-81	0.31	31.9	11.41
	5/17/2010	7.38	926	148	0.50	16.0	13.2
	9/9/2010	NM	901	10	0.90	58.0	13.37
	12/17/2010	7.00	999	-129	0.15	34.9	10.20
	2/16/2011	7.26	936	-174	0.21	29.0	11.33
	5/12/2011	7.35	940	-144	0.24	39.5	14.75
	7/22/2011	7.10	967	-113	0.10	19.1	14.27
	10/7/2011	7.15	957	-53.3	11.8*	5.35	14.25
	1/6/2012	7.20	1,034	-101	0.32	8.68	10.85
	4/6/2012	7.23	1,029	-133	0.79	22.0	10.10
	7/6/2012	7.13	1,165	-131	0.21	16.0	15.36
	10/19/2012	7.49	964	-152	0.22	142	11.84
	11/4/2013	7.18	940	-113	0.35	29	11.85
	11/19/2014	7.18	649	-68.5	0.44	4.40	10.91
	11/22/2016	6.40	1,080	-118	0.30	29.1	11.35

Notes:
S.U. = standard pH units
umhos/cm = micromhos per centimeter
mV = millivolts
mg/L = milligrams per liter
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Table 5
Summary of Field Parameters at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
MW-29s	3/18/2010	7.05	2,820	-59	0.37	24.8	12.71
	5/17/2010	6.98	3,270	-16	0.20	18.0	12.8
	9/9/2010	NM	4,410	-107	0.30	35.0	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
	7/20/2011	6.75	4,680	-80	0.15	23.0	15.55
	10/10/2011	6.30	5,620	-19.1	1.40	4.47	15.73
	1/6/2012	6.63	4,290	-220	0.28	1.50	14.52
	4/5/2012	6.90	4,250	-97	0.39	9.0	11.58
	7/9/2012	NM	5,880	22	0.17	13.0	15.25
	10/12/2012	8.19	3,990	-164	0.20	200	17.25
	5/30/2013	6.77	4,470	-86	0.17	9.6	14.79
	11/6/2013	6.52	5,260	-65	0.45	27.5	15.67
	5/15/2014	6.68	4,370	-46	0.45	27.0	11.52
	11/20/2014	6.71	4,788	-32.8	0.28	6.58	13.32
	5/27/2015	6.62	6,033	-28.7	0.32	8.17	12.11
	12/2/2015	6.95	6,760	-36	0.26	24.0	14.24
	4/26/2016	7.08	6,120	-50	0.91	29.5	12.73
	11/29/2016	6.67	5,460	-49	0.98	29.5	14.47
MW-29d	3/18/2010	7.24	1,182	-134	0.21	5,999	13.78
	5/17/2010	7.40	1,405	60	1.00	10.0	15.0
	9/9/2010	NM	1,437	6	0.60	35.0	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
	7/20/2011	7.03	1,482	-70	2.40	48.0	23.15
	10/10/2011	6.76	1,381	78.9	3.01	3.26	12.65
	1/6/2012	6.98	1,530	-42	1.30	0.00	11.76
	4/6/2012	7.13	1,560	-131	1.69	23.0	6.85
	7/9/2012	NM	1,780	87	0.78	20.3	23.82
	10/19/2012	6.08	1,510	86	0.51	83.5	11.77
	5/30/2013	6.38	1,750	-87	0.82	64.6	25.09
	11/7/2013	7.02	1,590	-90	0.40	427	10.95
	5/15/2014	6.44	1,680	-90	0.54	34.4	12.88
	11/20/2014	7.10	1,201	-95.8	0.32	199	10.98
	5/27/2015	6.58	1,698	19.5	0.65	14.2	14.82
	4/26/2016	6.92	1,890	-23	0.70	37.0	13.58
	11/29/2016	6.59	2,090	-45	0.69	42.0	12.33

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Table 5
Summary of Field Parameters at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
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	30.0	11.25
	7/20/2011	6.94	1,780	-6	0.11	25.0	15.70
	10/10/2011	6.77	1,565	-8.3	1.21	5.74	16.60
	1/6/2012	6.82	2,450	5	0.28	5.00	13.58
	4/9/2012	6.89	2,040	-40	0.84	10.3	10.93
	7/9/2012	6.95	1,760	-55	0.14	13.3	14.79
	10/19/2012	7.22	1,338	-103	0.29	17.4	16.33
	5/30/2013	7.07	2,100	-21	0.14	9.3	12.88
	11/5/2013	6.98	1,470	-63	0.29	29.5	16.03
	5/14/2014	6.97	2,480	8	0.28	27.8	10.80
	11/19/2014	6.94	1,281	-10.1	0.21	1.9	14.19
	5/27/2015	6.79	3,750	72.9	0.35	8.75	15.10
	12/2/2015	6.92	1,570	37	0.18	23.9	14.85
	4/26/2016	6.90	3,490	79	1.28	29.8	11.30
	11/28/2016	6.54	2,600	80	0.39	37.0	14.96
MW-30d	3/23/2010	6.92	1,670	-94	0.36	36.0	12.10
	5/17/2010	7.48	1,910	-5	0.20	44.0	13.6
	9/9/2010	NM	1,870	-98	0.20	52.0	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
	5/13/2011	7.03	1,740	-103	0.48	30.0	13.25
	7/20/2011	7.12	1,680	-88	0.18	28.9	16.40
	10/10/2011	6.87	1,546	-46.8	1.15	7.18	15.00
	1/6/2012	6.87	1,560	-68	0.23	0.00	13.90
	4/9/2012	7.01	1,570	-106	0.46	14.9	12.79
	7/9/2012	7.09	1,700	-94	0.18	11.3	14.89
	10/19/2012	7.45	1,348	-132	0.32	8.60	14.10
	5/30/2013	7.20	1,355	-92	0.16	56.3	15.41
	11/5/2013	7.12	1,251	-107	0.25	31.6	14.19
	5/14/2014	7.10	1,217	-69	0.34	58.5	12.82
	11/19/2014	7.12	857	-78.9	0.21	4.03	12.76
	5/27/2015	7.05	1,187	-60.9	0.12	21.7	13.64
	12/2/2015	7.13	1,291	-48	0.55	27.5	13.50
	4/26/2016	7.22	1,332	-79	1.35	42.8	12.63
	11/28/2016	6.94	1,464	-77	0.56	33.5	12.45

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Table 5
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Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
MW-31	6/18/2010	6.93	1,416	139	4.96	14.8	12.96
	9/17/2010	7.03	1,052	107	4.60	86.9	11.79
	12/22/2010	7.05	1,176	11	6.99	34.9	10.75
	2/24/2011	6.88	1,208	8	6.51	32.7	10.91
	5/11/2011	7.25	1,090	39	10.20	26.0	12.70
	7/21/2011	7.13	1,055	68	6.32	21.7	16.85
	10/4/2011	6.88	889	113.8	48.3*	4.08	12.10
	1/10/2012	6.91	1,102	128	5.95	0.0	11.36
	4/5/2012	7.08	1,052	47	5.73	9.3	11.00
	7/16/2012	7.04	1,137	65	5.98	20.6	12.78
	10/3/2012	6.61	783	8.6	7.56	9.28	12.21
	3/7/2013	7.09	964	-74	5.88	7.50	11.13
	5/29/2013	6.93	1,015	110	4.38	12.2	13.09
	8/29/2013	7.15	1,079	88	4.48	28.5	14.49
	3/28/2014	7.25	874	150	4.15	32.0	10.95
	5/22/2014	7.25	1,115	86	4.97	39.0	12.67
	7/17/2014	7.20	938	66	3.99	33.3	12.76
	11/11/2014	6.99	850	96	5.45	27.2	13.11
	3/23/2015	7.14	989	102.9	5.97	5.17	11.00
	5/19/2015	7.22	925	180	7.18	8.50	11.09
	4/22/2016	7.91	1,037	81	6.10	60.0	11.95
	7/28/2016	7.13	1,032	59	7.19	28.5	13.20
	12/29/2016	6.79	1,130	65	6.60	29.0	12.00
	1/24/2017	7.22	1,045	127.0	10.8	10.5	11.17
MW-32s	9/17/2010	7.29	771	-20	0.31	46.8	17.52
	11/19/2010	7.08	800	-101	0.22	25.8	17.56
	12/28/2010	6.80	830	-62	0.24	31.5	17.20
	2/25/2011	7.14	868	-55	0.42	25.8	17.10
	5/10/2011	7.30	804	-85	0.64	21.7	17.22
	7/28/2011	7.40	804	-30	0.43	18.9	17.93
	10/6/2011	7.14	758	9.8	11.5*	1.00	17.32
	1/10/2012	7.02	819	-22	0.47	0.00	17.44
	4/4/2012	7.16	862	-20	0.42	15.0	16.66
	7/11/2012	7.14	990	27	0.30	14.0	17.38
	10/10/2012	NM	646	105	0.22	14.3	16.20
	5/20/2013	7.34	654	31	0.98	9.0	14.72
	11/5/2013	6.80	679	65	1.20	26.3	14.40
	5/19/2014	7.37	721	14	0.94	23.9	12.69
	7/15/2014	7.12	825	15	0.49	28.9	13.43
	11/12/2014	7.29	695	-116	0.52	41.0	12.98
	5/19/2015	7.40	627	46.0	1.34	5.30	11.89
	12/3/2015	7.26	694	40	0.33	27.5	12.56
	4/27/2016	7.88	779	50	0.90	39.8	12.31
	11/28/2016	7.15	805	2	0.80	30.0	12.86

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Table 5
Summary of Field Parameters at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
MW-32d	5/20/2013	7.30	999	-106	0.43	9.50	14.98
	8/28/2013	7.21	1,116	-82	0.49	21.0	15.60
	11/5/2013	7.15	980	-101	0.53	26.6	13.88
	3/27/2014	7.27	1,140	-158	0.23	22.0	11.94
	5/19/2014	7.25	959	-79	0.37	24.8	12.94
	7/15/2014	7.20	989	-44	0.33	50.9	13.90
	11/11/2014	7.08	867	-70	0.94	57.1	13.07
	2/25/2015	6.90	1,352	-40	1.69	29.3	12.04
	5/19/2015	7.27	984	-18.3	0.77	19.2	12.38
	12/3/2015	7.19	1,039	-55	0.28	37.0	12.10
	4/27/2016	7.74	1,155	-53	0.50	33.0	12.47
	7/25/2016	7.33	1,045	-85	0.41	49.5	13.40
	1/25/2017	7.45	1,106	-44.0	0.40	7.00	12.09
MW-33s	9/17/2010	7.13	1,006	-95	0.48	39.2	16.55
	11/19/2010	6.79	1,059	-101	0.22	26.7	17.42
	12/22/2010	6.98	1,056	-128	0.30	33.4	17.55
	2/24/2011	7.00	991	-157	0.37	23.0	17.28
	5/10/2011	7.20	1,267	-100	1.31	24.4	16.23
	7/28/2011	7.26	1,188	-64	0.42	19.0	16.09
	10/6/2011	7.03	949	-51.3	12.0*	0.50	16.91
	1/9/2012	6.99	1,055	-70	0.28	0.50	17.91
	4/4/2012	7.06	1,005	-91	0.35	9.0	16.09
	7/11/2012	7.10	1,068	-97	0.25	16.9	16.03
	10/10/2012	NM	763	-80	0.20	11.9	16.64
	5/20/2013	7.17	766	-85	0.66	8.40	14.85
	11/5/2013	7.08	815	-109	0.47	26.2	15.11
	5/19/2014	7.28	770	-96	0.52	23.7	13.40
	11/12/2014	7.19	681	-110	0.57	39.5	14.01
	5/19/2015	7.37	648	-96.5	0.64	3.50	12.12
	4/21/2016	7.67	694	-81	0.46	32.8	12.54
	11/28/2016	7.21	634	-111	0.40	29.8	13.83

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Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
MW-34s	9/17/2010	7.40	562	21	3.83	44.2	16.02
	11/19/2010	7.22	580	27	4.30	30.0	16.07
	12/28/2010	7.08	585	21	5.68	32.5	15.70
	2/25/2011	7.40	630	-15	5.31	25.5	15.55
	5/10/2011	7.53	677	10	7.19	21.7	15.52
	7/28/2011	7.61	600	48	3.90	19.0	16.16
	10/6/2011	7.24	564	78.0	69.0*	4.85	15.80
	1/10/2012	7.13	652	98	4.97	5.28	15.59
	4/4/2012	7.32	647	25	4.95	8.00	14.68
	7/11/2012	7.34	650	60	4.55	16.9	15.48
	10/10/2012	NM	474	128	5.46	11.4	14.68
	5/20/2013	7.54	510	50	5.82	8.30	13.44
	11/12/2013	7.29	739	38	7.75	25.7	12.43
	5/19/2014	7.30	701	150	6.63	23.0	11.79
	11/26/2014	7.20	745	75	6.10	33.0	13.28
	5/21/2015	7.28	742	160	3.89	2.21	11.69
	12/3/2015	7.20	841	99	6.63	22.8	13.99
	4/29/2016	7.73	982	154	5.75	29.0	12.39
	12/2/2016	6.82	898	151	7.62	27.1	13.66
	5/15/2017	7.07	847	166.0	6.72	2.8	14.0
MW-34d	5/20/2013	7.19	1,260	-122	0.42	9.30	13.31
	8/28/2013	7.22	1,298	-102	0.60	16.3	15.10
	11/12/2013	7.29	1,411	-128	0.29	26.2	11.11
	3/26/2014	8.62	1,191	-171	0.29	28.6	10.40
	5/21/2014	7.30	1,262	-104	0.27	28.8	14.34
	7/16/2014	7.15	1,157	-69	0.27	25.1	13.03
	11/13/2014	7.22	1,049	-88	0.75	35.8	11.49
	3/24/2015	7.26	1,083	-63	0.68	2.55	11.61
	5/22/2015	7.22	1,092	-84	0.26	2.50	12.74
	11/30/2015	7.13	1,158	-60	0.24	26.9	12.22
	4/21/2016	7.97	1,127	-79	0.29	34.0	12.89
	7/26/2016	7.41	1,168	-98	0.38	29.5	14.35
	11/21/2016	6.38	1,185	-96	0.37	29.0	12.20
	1/23/2017	7.40	1,050	-95	0.45	--	11.68

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Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
MW-35i	10/25/2012	7.46	785	121	0.89	18.0	16.28
	3/27/2013	8.86	694	-42	1.28	0.0	12.55
	6/5/2013	7.87	724	-181	0.40	1.15	13.92
	8/29/2013	7.26	919	-40	0.58	20.9	16.35
	11/12/2013	7.40	994	-61	0.61	26.0	13.26
	3/27/2014	7.31	733	95	0.72	28.3	11.09
	5/21/2014	7.36	918	-38	0.91	30.5	13.44
	7/18/2014	7.29	931	13	0.55	26.0	14.37
	11/20/2014	7.28	563	48.2	0.81	0.87	12.43
	3/24/2015	7.26	979	33.9	0.49	0.68	11.90
	5/22/2015	7.30	883	-8.0	0.49	2.11	12.01
	12/4/2015	7.27	915	23	0.63	34.5	12.15
	4/26/2016	7.26	1,082	42	1.80	21.2	13.19
	7/27/2016	7.22	973	7.0	0.95	27.5	14.95
	12/2/2016	7.25	905	221.2	1.42	1.68	13.85
	1/25/2017	7.43	1,139	20.8	2.01	0.55	13.07
	5/15/2017	7.14	1,069	177.0	2.33	0.9	13.0
MW-35d	10/25/2012	7.28	1,262	-44	0.33	131	15.47
	3/7/2013	7.12	1,112	-230	0.70	8.70	8.85
	6/11/2013	7.25	1,142	-108	0.31	32.5	15.82
	8/28/2013	7.18	1,461	-108	0.65	21.9	18.11
	11/12/2013	7.23	1,740	-133	0.38	31.2	11.98
	3/26/2014	8.52	1,466	-187	0.35	30.3	11.25
	5/20/2014	7.15	1,278	-98	0.38	24.0	13.40
	7/16/2014	7.00	1,288	-68	0.37	28.9	13.54
	11/13/2014	7.21	1,130	-83	0.88	43.2	10.71
	3/24/2015	7.26	1,150	-73	0.50	6.57	12.56
	5/22/2015	7.29	1,064	59	0.58	5.43	14.49
	11/30/2015	7.04	1,196	-72	0.60	24.0	11.35
	4/21/2016	7.93	1,221	-75	0.74	39.2	13.16
	7/26/2016	7.22	1,197	-90	0.46	31.1	13.77
	11/21/2016	6.28	1,191	-90	0.52	31.8	12.15
	1/23/2017	7.20	1,116	-87	0.79	--	10.63
	5/15/2017	7.16	1,226	-112.0	0.60	1.6	15.3

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Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
MW-36s	4/3/2013	6.95	893	36	0.37	4.67	12.37
	5/31/2013	7.25	826	70	2.33	11.8	15.06
	8/29/2013	7.10	958	46	2.61	18.3	16.73
	11/8/2013	7.14	823	41	1.24	25.9	16.51
	3/27/2014	7.11	1,081	116	0.57	19.7	12.32
	5/15/2014	7.15	822	45	2.01	24.4	12.73
	7/18/2014	6.85	869	104	2.00	24.9	14.08
	11/25/2014	7.03	925	32	1.60	31.0	15.22
	3/25/2015	7.17	909	59.8	1.24	0.64	12.66
	5/20/2015	6.68	824	128.0	1.62	1.16	11.54
	12/2/2015	6.59	928	81	0.27	23.0	14.95
	4/27/2016	7.79	880	41	2.28	24.9	12.70
	7/28/2016	7.21	917	-3	2.81	26.0	15.81
	12/1/2016	6.85	941	55	2.81	27.5	14.90
	1/26/2017	7.31	878	40	1.58	1.5	13.57
	5/16/2017	7.13	713	40.5	3.67	2.5	13.9
MW-36d	4/2/2013	6.79	1,780	-59	0.24	9.63	14.55
	6/11/2013	7.17	1,730	-83	0.12	22.9	16.39
	8/28/2013	7.00	2,050	-103	0.24	22.0	16.84
	11/12/2013	7.19	2,430	-123	0.24	34.0	13.99
	3/26/2014	8.32	2,120	-142	0.43	40.5	13.49
	5/21/2014	7.14	2,280	-87	0.28	58.0	15.99
	7/15/2014	7.12	1,850	-79	0.16	49.5	15.45
	11/13/2014	7.11	1,760	-95	0.62	53.5	14.18
	3/24/2015	7.14	1,781	-54.5	0.90	4.90	13.80
	5/22/2015	7.15	1,668	-77.5	0.28	10.0	14.63
	11/30/2015	7.18	1,820	-72	0.16	34.5	13.97
	4/21/2016	7.91	1,650	-70	0.48	43.0	14.39
	7/26/2016	7.41	1,460	-99	0.27	39.5	15.27
	11/21/2016	6.41	1,355	-112	0.25	39.5	13.65
	1/23/2017	7.43	1,188	-106	0.32	--	13.92
	5/16/2017	7.08	1,253	-89.0	0.37	4.5	15.7

Notes:
S.U. = standard pH units
umhos/cm = micromhos per centimeter
mV = millivolts
mg/L = milligrams per liter
NTU = nephelometric turbidity units
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* = Dissolved oxygen measurement recorded in percent of saturation, not mg/L
NM = not measured
-- Anamolous reading, datum not used

Table 5
Summary of Field Parameters at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
MW-37s	4/3/2013	6.93	995	87	0.45	6.86	12.27
	6/3/2013	7.21	978	55	0.57	9.70	13.07
	8/29/2013	7.15	1,128	61	0.59	18.0	14.86
	11/11/2013	7.02	1,342	136	0.57	26.7	13.19
	3/27/2014	7.17	1,166	60	0.32	23.0	11.70
	5/16/2014	7.15	1,052	108	0.59	27.0	12.14
	7/18/2014	7.16	1,059	64	0.51	26.0	13.60
	11/26/2014	7.11	1,099	67	0.51	34.0	12.80
	3/26/2015	7.18	1,102	106.1	0.90	1.56	12.25
	5/21/2015	7.16	962	148.9	0.41	3.09	11.96
	12/3/2015	7.15	1,104	104	0.49	24.0	13.17
	4/29/2016	7.60	1,209	155	1.68	28.0	12.16
	7/29/2016	7.12	1,211	151	1.14	28.9	13.53
	12/2/2016	6.89	1,271	125	0.66	29.0	13.48
	1/26/2017	7.17	1,040	84.9	0.84	5.00	13.09
	5/15/2017	6.95	1,196	133.7	1.72	5.0	13.8
MW-38s	4/3/2013	6.99	878	64	0.48	8.94	8.71
	6/3/2013	7.20	1,095	54	1.17	9.70	12.14
	8/29/2013	7.04	1,204	108	0.49	18.0	17.55
	11/11/2013	6.45	1,409	166	1.21	26.1	15.52
	5/16/2014	7.14	1,390	113	4.48	28.5	8.35
	7/17/2014	7.12	1,170	60	0.57	29.0	15.60
	11/26/2014	7.00	1,230	35	1.10	32.5	13.70
	3/25/2015	7.19	1,086	156.9	1.91	3.04	7.68
	5/21/2015	7.10	1,025	203	0.87	6.81	8.91
	12/3/2015	7.13	1,098	82	0.98	29.0	13.87
	4/28/2016	7.60	1,193	85	2.98	29.5	8.75
	7/27/2016	7.21	1,179	44	1.06	28.0	17.44
	12/1/2016	6.96	1,159	13	1.10	28.5	15.02
	1/26/2017	7.34	1,018	39.0	2.10	6.55	10.46

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Table 5
Summary of Field Parameters at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
MW-38d	4/3/2013	6.94	981	71	1.65	5.35	12.50
	6/12/2013	7.09	983	93	0.96	9.90	14.83
	8/28/2013	6.93	1,136	118	1.81	18.0	14.75
	11/14/2013	6.67	958	150	2.37	26.9	11.72
	3/27/2014	7.09	1,147	179	1.51	20.9	11.89
	5/22/2014	7.13	1,147	49	1.54	29.0	13.38
	7/17/2014	6.91	983	140	1.57	26.5	12.48
	11/21/2014	7.04	640	110	3.24	4.37	11.14
	3/25/2015	7.14	1,043	155.7	2.79	1.55	11.46
	5/28/2015	7.10	973	105.8	1.59	7.25	13.12
	12/2/2015	7.30	1,059	88	2.53	26.0	11.84
	4/27/2016	7.44	1,115	197	2.58	29.5	11.81
	7/26/2016	7.20	1,024	54	2.75	29.7	16.85
	11/29/2016	6.82	1,117	63	2.98	30.3	13.42
	1/23/2017	7.35	935	31	2.99	--	12.75
MW-39s	4/3/2013	6.98	1,058	83	0.50	9.66	12.50
	6/3/2013	7.15	1,099	62	0.41	13.2	14.06
	8/29/2013	7.14	1,145	60	0.40	22.3	17.46
	11/11/2013	6.84	1,031	90	0.63	26.5	15.25
	3/28/2014	7.05	860	140	0.94	32.8	12.39
	5/16/2014	7.11	979	102	1.42	31.9	12.45
	7/18/2014	7.12	1,035	53	0.65	25.6	15.47
	11/29/2014	6.81	1,123	147	0.52	29.6	13.95
	3/26/2015	7.12	1,104	93.0	1.27	1.19	12.19
	5/21/2015	7.08	1,011	129.5	0.40	4.64	12.22
	12/3/2015	7.11	1,188	109	0.90	23.5	14.30
	4/29/2016	7.59	1,220	149	1.99	29.5	11.70
	12/2/2016	6.86	1,003	122	2.95	27.6	14.20
	1/26/2017	7.28	942	86	2.88	6.0	12.20
	5/15/2017	7.08	985	60.0	2.51	18.0	14.0

Notes:
S.U. = standard pH units
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Table 5
Summary of Field Parameters at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
MW-39d	4/2/2013	7.18	1,140	-105	0.22	5.89	13.90
	6/11/2013	7.27	1,129	-99	0.09	13.6	16.71
	8/28/2013	7.13	1,287	-99	0.22	18.0	17.50
	11/12/2013	7.32	1,378	-125	0.35	29.4	13.37
	3/26/2014	8.50	1,140	-134	0.28	32.0	12.00
	5/21/2014	7.26	1,273	-104	0.13	37.0	15.79
	7/15/2014	7.24	1,085	-92	0.12	27.2	15.93
	11/13/2014	7.25	1,028	-107	0.34	43.9	13.54
	3/24/2015	7.23	1,136	-68.7	0.48	12.8	13.44
	5/26/2015	7.15	1,071	-76.6	0.16	9.0	14.67
	11/30/2015	7.27	1,258	-69	0.16	38.0	13.12
	4/22/2016	7.77	1,229	-75	0.25	69.5	13.84
	7/26/2016	7.44	1,350	-102	0.22	29.5	15.40
	11/22/2016	6.41	1,314	-107	0.34	38.0	12.91
	1/23/2017	7.47	1,198	-106	0.24	--	13.53
	5/16/2017	7.12	1,235	-91.0	0.35	3.0	15.5
MW-40s	4/3/2013	7.15	716	-27	0.46	10.0	7.28
	6/12/2013	7.24	785	-71	0.13	27.0	13.45
	8/28/2013	7.33	890	-110	0.40	69.0	16.80
	11/13/2013	6.90	977	-76	0.43	37.0	12.46
	3/26/2014	8.67	850	-165	0.34	59.3	8.90
	5/21/2014	7.37	977	-112	0.20	49.5	14.24
	7/16/2014	7.19	834	-78	0.16	40.8	12.82
	11/17/2014	7.22	605	-96	0.26	19.3	11.82
	3/23/2015	7.33	879	-68.3	0.77	12.2	10.92
	5/26/2015	7.30	851	-96	0.29	13.5	16.29
	4/25/2016	7.21	1,020	-89	0.99	99.0	11.95
	7/27/2016	7.23	1,134	-92	0.39	39.8	13.35
	11/30/2016	6.79	1,178	-63	0.36	41.0	13.49
	1/26/2017	7.45	1,097	-64.0	0.26	15.5	11.51
MW-40d	4/3/2013	7.09	3,010	-88	0.31	9.90	11.05
	6/12/2013	7.24	3,120	-104	0.11	22.2	14.30
	8/28/2013	7.15	3,580	-103	0.52	28.5	15.15
	11/13/2013	7.22	4,000	-126	0.27	30.0	11.58
	3/26/2014	8.56	3,510	-182	0.22	42.0	11.40
	5/22/2014	7.27	3,730	-112	0.13	39.5	12.91
	7/16/2014	7.21	3,180	-90	0.13	34.9	13.20
	11/17/2014	7.16	2,262	-101	0.36	3.58	11.50
	3/23/2015	7.18	3,336	-66.8	0.84	15.1	11.24
	5/26/2015	7.18	3,220	-79	0.20	6.98	13.67
	4/25/2016	7.24	3,810	-88	0.89	49.5	13.38
	7/27/2016	7.42	3,920	-104	0.25	33.5	13.90
	11/30/2016	7.05	4,330	-111	0.28	30.0	12.60
	1/26/2017	7.36	3,908	-68.0	0.17	7.85	11.29

Notes:
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Table 5
Summary of Field Parameters at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
MW-41	12/4/2015	7.87	709	48	0.98	58.0	9.19
	4/22/2016	NM	NM	NM	NM	NM	NM
	7/28/2016	6.73	866	-52	3.06	59.0	15.92
	11/29/2016	7.21	913	19	0.86	36.1	10.83
	1/24/2017	7.34	1,198	49.4	1.6	13.7	5.50
MW-42d	12/8/2015	7.43	961	-97	0.29	7.04	10.81
	4/22/2016	7.95	1,119	-60	1.24	80.0	10.87
	7/28/2016	7.05	1,089	-59	1.15	30.5	14.84
	11/29/2016	7.28	876	-60	0.36	4.52	12.09
	1/24/2017	7.11	1,116	220	1.0	4.18	8.45
MW-43s	4/26/2016	7.04	995	100	4.00	4.85	10.35
	7/27/2016	7.18	947	72	4.59	93.8	14.35
	12/1/2016	6.89	1,045	88	5.01	59.5	11.80
	1/25/2017	7.36	915	63	6.80	29.5	10.38
	5/15/2017	6.85	930	125.1	6.77	2.8	10.6
MW-44s	12/2/2016	7.28	861	-73.7	0.22	3.03	12.37
	1/27/2017	7.70	759	43.5	0.82	9.00	8.28
	5/15/2017	7.16	800	-83.0	0.50	13.5	11.0
MW-44i	12/2/2016	7.33	640	-47.6	0.17	1.99	12.21
	1/27/2017	7.51	956	28.4	0.40	3.75	10.22
	5/15/2017	7.25	943	-58.9	0.12	24.0	11.3
MW-45s	12/2/2016	7.25	446	-103.0	0.26	3.30	13.78
	1/27/2017	7.25	725	-48.0	0.43	9.75	8.51
	5/17/2017	7.00	682	-109.5	0.23	2.8	11.3
MW-45i	12/2/2016	7.33	650	-85.1	0.17	4.98	13.39
	1/27/2017	7.47	930	-25.9	0.30	4.00	11.43
	5/17/2017	7.21	933	-89.8	0.07	7.5	11.3
NS-18s	5/20/2014	7.48	570	-5	3.49	24.0	13.64
	7/14/2014	7.53	638	59	2.67	22.0	14.49
	11/12/2014	7.35	570	-2	1.55	40.9	15.22
	2/24/2015	7.20	853	4	1.39	24.3	13.16
	5/20/2015	7.44	531	32.5	1.41	0.50	12.88
	4/21/2016	7.30	532	220.4	2.20	0.54	13.95
	7/25/2016	7.20	568	210.0	4.06	28.5	14.18
	11/28/2016	7.45	624	169.5	1.59	2.35	15.08
	1/24/2017	7.68	672	25.5	16.5*	2.22	14.70

Notes:
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Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
NS-18i	3/26/2014	7.23	1,035	-103	0.66	25.6	13.70
	5/19/2014	7.21	854	-60	0.82	23.6	14.14
	7/14/2014	7.18	906	-48	0.59	24.2	15.27
	11/12/2014	7.15	845	-64	0.79	40.3	15.70
	2/24/2015	6.99	1,168	-58	1.17	28.5	12.73
	5/20/2015	7.27	860	-60	1.22	3.58	13.46
	4/21/2016	7.82	880	-55	0.63	36.5	14.33
	7/25/2016	7.10	906	-62	0.57	27.0	14.87
	11/28/2016	7.46	784	-107	1.01	0.23	14.67
	1/24/2017	7.40	927	-43.3	3.7	0.63	14.23
NS-18d	5/20/2014	7.22	910	-80	0.49	48.0	15.37
	7/14/2014	7.17	943	-47	0.42	69.5	15.46
	11/12/2014	7.12	902	-86	0.79	56.8	15.41
	2/24/2015	NM	1,397	32	0.98	40.3	14.56
	5/19/2015	7.15	1,071	-50	0.58	16.3	14.10
	4/21/2016	7.79	1,164	-57	0.59	42.0	14.32
	7/25/2016	7.19	1,094	-75	0.39	41.0	15.06
	11/28/2016	7.05	1,133	-81	0.43	49.0	14.42
	1/24/2017	6.87	11	0.5	1.9	6.20	14.23
NS-19s	5/20/2014	7.36	799	-148	0.78	41.9	13.50
	7/14/2014	7.31	780	-123	0.68	24.1	14.77
	11/13/2014	7.22	751	-138	1.09	34.7	13.26
	2/25/2015	7.24	1,094	-130	1.29	34.0	11.44
	5/20/2015	7.47	790	-121.5	1.02	1.65	12.37
	4/27/2016	7.32	899	-125.8	0.58	1.08	12.72
	7/25/2016	7.45	812	-133.0	0.63	26.50	14.04
	12/28/2016	7.84	804	-140.4	0.79	1.05	12.88
	1/25/2017	7.67	923	-94.7	0.90	1.38	12.43
NS-19i	5/20/2014	7.30	847	-86	0.61	45.5	13.72
	7/14/2014	7.23	929	-66	0.47	29.0	14.99
	11/13/2014	7.18	817	-72	1.10	36.4	13.35
	2/25/2015	7.17	1,190	-71	1.31	35.3	11.19
	5/20/2015	7.35	867	-70	0.99	5.24	12.75
	4/27/2016	7.36	893	-49	0.33	1.01	12.97
	7/25/2016	7.34	985	-80	0.64	26.5	14.50
	11/28/2016	7.37	880	-72	1.96	1.7	12.83
	1/25/2017	7.54	980	-33.6	0.00	0.75	12.39

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Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
NS-19d	5/20/2014	7.26	898	-86	0.29	42.0	14.31
	7/14/2014	7.20	927	-57	0.30	34.2	15.33
	11/11/2014	7.08	861	-69	0.75	37.1	13.86
	2/25/2015	7.10	1,333	-82	0.97	36.3	12.83
	5/19/2015	7.30	913	-38.5	0.98	9.50	13.07
	4/27/2016	7.75	1,088	-66.0	0.51	40.0	12.78
	7/25/2016	7.31	957	-49.0	0.41	38.5	14.36
	11/28/2016	7.10	984	-72.0	0.44	34.0	12.62
	1/25/2017	7.46	1,106	-25.0	0.00	5.92	12.63
NS-20s	5/20/2014	7.42	507	-76	2.80	46.0	12.56
	7/15/2014	7.28	545	-59	2.03	34.9	13.56
	11/12/2014	7.32	500	-102	1.00	58.6	12.63
	2/25/2015	7.30	808	-127	1.53	45.5	9.95
	5/20/2015	7.49	595	-98	4.00	3.25	11.81
	4/27/2016	7.40	675	-76.1	1.47	2.98	12.28
	7/25/2016	7.41	657	-96.0	1.32	29.0	13.64
	11/28/2016	7.87	569	-141.8	0.85	3.10	12.79
	1/25/2017	7.74	670	-58.0	2.3	2.50	12.30
NS-20i	5/20/2014	7.50	755	-206	0.67	50.0	12.89
	7/15/2014	7.45	799	-189	0.43	26.1	13.67
	11/12/2014	7.42	806	-222	0.68	45.7	12.79
	2/25/2015	7.40	1,144	-199	1.67	35.0	10.21
	5/20/2015	7.58	779	-135	0.73	3.11	12.15
	4/27/2016	7.45	1,043	-92.4	0.25	0.64	12.57
	11/28/2016	7.54	818	-173.7	0.26	1.14	12.64
	1/25/2017	7.78	935	-95.8	0.60	1.30	12.23
SS-09s	5/20/2014	7.47	596	8	5.19	43.0	14.04
	7/17/2014	7.21	1,220	60	4.62	32.0	13.23
	11/21/2014	7.23	615	113.4	6.59	6.87	12.19
	3/26/2015	7.22	1,109	106.8	5.59	2.24	12.04
	5/22/2015	7.11	1,244	90.0	3.67	2.78	12.44
	4/25/2016	7.16	960	67.0	3.82	26.50	13.99
	7/27/2016	7.14	830	63.0	4.53	28.50	15.76
	12/1/2016	7.20	611	65.4	5.83	0.77	13.81
	1/25/2017	7.26	846	48.1	4.91	0.30	13.60

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
* = Dissolved oxygen measurement recorded in percent of saturation, not mg/L
NM = not measured
-- Anamolous reading, datum not used

Table 5
Summary of Field Parameters at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
SS-09i	5/20/2014	7.35	989	-52	0.42	39.8	14.05
	7/17/2014	7.32	948	-17	0.65	29.5	13.44
	11/21/2014	7.31	585	-13.5	0.56	2.44	10.64
	3/26/2015	7.30	970	-6.6	0.61	1.66	12.01
	5/22/2015	7.29	913	-35.0	0.43	17.0	12.91
	4/25/2016	7.30	1,008	18.0	0.75	36.3	14.33
	7/27/2016	7.25	1,111	0	0.52	31.0	15.20
	12/1/2016	7.81	710	-61	0.62	0.6	12.59
	1/25/2017	7.56	1,029	52.9	0.45	0.35	12.55
SS-10s	5/21/2014	7.38	665	162	4.57	29.4	13.62
	7/17/2014	7.51	611	73	4.02	29.0	13.28
	12/1/2014	7.40	861	50	5.78	29.7	11.30
	3/26/2015	7.44	745	82.6	6.30	1.03	12.02
	5/22/2015	7.40	676	180.5	3.70	3.25	11.62
	4/25/2016	7.44	902	51.0	4.98	27.0	13.16
	7/27/2016	7.28	740	41.0	6.17	27.5	15.26
	12/1/2016	7.45	557	59.9	5.78	1.3	14.02
	1/25/2017	7.34	872.5	112.0	58.1*	0.30	12.83
SS-10i	5/21/2014	7.24	1,103	-23	0.48	40.0	13.75
	7/17/2014	7.28	918	-55	0.80	32.7	13.95
	12/1/2014	7.35	958	-46	0.64	36.2	11.12
	3/26/2015	7.26	927	5.6	0.72	1.18	11.95
	5/22/2015	7.24	907	-26.5	1.10	10.30	12.01
	4/25/2016	7.37	1,025	-27.0	1.07	30.0	13.44
	7/27/2016	7.33	1,083	-53.0	0.77	27.0	15.69
	12/1/2016	7.73	682	-61.2	0.41	3.37	12.81
	1/25/2017	7.38	1,035	81.0	3.8	0.20	11.99
SS-10d	5/21/2014	7.29	1,046	-108	0.19	41.8	13.25
	7/17/2014	7.27	912	-96	0.18	30.1	13.88
	11/13/2014	7.25	880	-96	0.76	46.4	10.91
	3/24/2015	7.28	930	-74.9	0.48	6.60	10.94
	5/21/2015	7.23	921	-86.3	0.30	5.62	12.93
	4/21/2016	8.03	1,001	-82.0	0.23	34.0	12.60
	7/26/2016	7.41	1,098	-96.0	0.33	32.8	14.24
	12/1/2016	7.12	1,209	-112.0	0.32	29.7	11.55
	1/25/2017	7.45	1,053	-20.3	0.3	2.45	10.90

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
* = Dissolved oxygen measurement recorded in percent of saturation, not mg/L
NM = not measured
-- Anamolous reading, datum not used

Table 6
Summary of Field Parameters at PRB Performance Monitoring Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
PRB-01s	8/10/2011	7.56	1,010	-74	0.33	20.8	18.23
	10/7/2011	7.54	858	-9	0.23	1.14	18.61
	1/11/2012	7.20	1,180	24	0.43	0.00	10.42
	4/10/2012	7.71	626	-7	0.32	1.74	9.70
	7/16/2012	6.99	810	-94	0.60	10.5	17.75
	10/10/2012	NM	NM	-35	0.31	10.8	17.93
	3/4/2013	7.38	813	-51	0.93	0.2	7.91
	6/7/2013	7.48	925	-69	0.35	0.6	12.75
	8/26/2013	7.21	950	-82	0.60	13.0	19.60
	11/15/2013	6.81	679	-50	1.41	27.3	14.79
	5/30/2014	7.42	659	-67	0.80	0.87	11.76
	11/24/2014	7.03	485	-23.4	0.46	2.20	13.86
	4/21/2015	7.35	622	-16.7	0.73	0.89	8.24
	12/7/2015	7.30	720	8	0.50	25.5	13.50
	4/27/2016	7.18	977	17	0.39	0.09	9.58
	12/2/2016	7.39	650	-35.0	0.44	0.57	14.57
PRB-02s	8/10/2011	7.70	1,051	-55	0.31	22.9	18.05
	10/7/2011	7.62	1,117	-58.4	0.20	3.56	18.72
	1/11/2012	7.24	708	-7	0.41	2.00	10.65
	4/10/2012	7.62	728	-47	0.42	1.16	9.75
	7/13/2012	7.39	747	-91	0.37	15.7	18.34
	10/10/2012	NM	NM	-56	0.28	11.7	17.91
	3/5/2013	6.98	625	107	1.12	0.60	6.20
	6/7/2013	7.63	679	20	0.27	0.54	12.42
	8/26/2013	7.38	527	-61	0.59	13.9	19.63
	11/15/2013	6.71	840	-39	0.93	28.0	14.43
	6/5/2014	7.26	762	-0.3	0.56	0.81	12.66
	11/24/2014	7.12	624	-3.7	0.67	1.91	14.15
	4/21/2015	7.22	825	20.8	0.66	4.45	7.69
	12/7/2015	7.37	943	-45	0.45	28.9	13.23
	4/25/2016	7.19	867	-23.3	0.24	0.31	10.64
	12/2/2016	7.45	416	-30.5	0.25	1.40	14.08
	5/16/2017	7.15	825	41.0	0.35	0.5	12.2
PRB-03s	8/10/2011	7.46	392	-199	0.40	22.1	17.41
	10/6/2011	7.07	497	-164.1	0.38	2.08	16.95
	1/11/2012	7.15	641	-146	0.49	0.50	9.56
	4/10/2012	7.61	465	-107	0.37	4.37	9.63
	7/16/2012	7.27	719	-178	0.43	32.1	19.33
	10/9/2012	NM	529	-134	0.36	11.7	17.69
	3/4/2013	7.10	927	-85	1.82	3.85	7.07
	6/6/2013	7.30	575	-199	0.76	2.36	12.54
	8/26/2013	7.20	522	-147	0.62	17.9	21.09
	11/15/2013	6.92	488	-121	1.45	39.0	15.17
	5/28/2014	7.28	686	-128	0.70	4.18	11.53
	11/25/2014	7.25	462	-113.8	0.71	5.50	12.62
	4/22/2015	7.30	616	-115.7	0.54	3.28	8.16
	4/25/2016	7.46	571	-123	1.20	22.8	11.20
	12/1/2016	7.28	509	-114.2	0.44	4.00	14.69

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 6
Summary of Field Parameters at PRB Performance Monitoring Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
PRB-04s	8/10/2011	7.43	737	-152	0.36	23.9	17.60
	10/7/2011	7.70	964	-137	0.21	4.86	16.78
	1/11/2012	7.29	825	-172	0.31	8.00	10.27
	4/10/2012	7.53	894	-161	0.25	1.86	9.86
	7/16/2012	7.04	988	-172	0.43	19.8	18.09
	10/4/2012	NM	592	-173	0.26	5.00	17.88
	3/4/2013	6.98	659	-86	0.69	1.70	8.58
	6/6/2013	7.27	739	-130	0.35	1.50	11.39
	8/26/2013	6.95	692	-136	0.59	16.1	18.14
	11/15/2013	6.68	507	-129	0.91	45.8	13.98
	5/28/2014	7.24	673	-137	0.47	9.52	11.02
	11/24/2014	7.11	379	-98.3	0.51	2.33	12.92
	4/22/2015	7.19	467	-98.8	0.40	2.11	8.17
	4/25/2016	7.29	645	-103	1.05	24.5	10.23
	11/29/2016	7.27	511	-131.4	0.26	2.85	14.43
PRB-04d	8/10/2011	7.27	1,160	-192	0.25	22.0	13.20
	10/7/2011	7.49	1,127	-110.4	0.23	3.53	13.94
	1/1/2012	7.05	1,177	-169	0.34	0.00	12.00
	4/10/2012	7.53	959	-91	0.39	3.31	11.25
	7/16/2012	7.25	1,113	-138	0.38	27.3	15.21
	10/4/2012	NM	1,009	-176	0.27	1.77	14.58
	3/4/2013	7.28	947	-80	1.46	1.75	10.65
	6/6/2013	7.67	897	-210	0.32	8.12	11.79
	8/26/2013	7.22	1,155	-122	0.58	17.0	15.78
	11/15/2013	6.95	1,047	-116	1.12	29.6	13.45
	5/28/2014	7.40	1,061	-139	0.32	9.72	11.95
	11/25/2014	7.32	658	-75.9	0.84	1.84	11.60
	4/22/2015	7.33	675	-73	0.69	6.25	10.45
	4/25/2016	7.38	1,025	-89	1.09	30.0	12.26
	11/29/2016	7.24	815	-144.7	0.56	0.64	13.46
PRB-05s	8/11/2011	7.52	556	37	5.56	26.6	17.05
	10/6/2011	7.47	500	5.7	5.08	2.50	17.45
	1/12/2012	7.20	607	48	4.74	1.23	9.09
	4/9/2012	7.60	490	64	5.31	2.47	10.38
	7/12/2012	7.38	618	31	4.77	14.2	17.05
	10/9/2012	NM	NM	54	6.09	11.0	16.74
	3/5/2013	7.53	423	59	8.34	3.35	6.50
	6/7/2013	7.35	426	120	4.25	0.47	11.36
	8/27/2013	7.20	659	29	2.17	19.8	17.73
	11/14/2013	7.04	488	32	4.03	28.5	13.78
	5/29/2014	7.53	523	32	5.94	1.02	10.18
	11/25/2014	7.41	383	14.9	4.52	1.53	11.62
	4/20/2015	7.35	357	52.4	5.90	0.79	7.43
	4/25/2016	7.24	566	111.4	5.86	2.88	10.08
	11/30/2016	7.37	466	68.5	4.05	3.69	13.80

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 6
Summary of Field Parameters at PRB Performance Monitoring Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
PRB-06s	8/11/2011	6.49	13,900	-177	0.14	62.8	20.08
	10/6/2011	6.28	8,656	-114.8	0.09	77.7	19.11
	1/12/2012	6.77	2,480	-153	1.60	29.8	9.04
	4/10/2012	7.42	1,146	-123	1.46	54.9	7.98
	7/12/2012	7.19	1,780	-192	1.36	207	20.31
	10/9/2012	NM	NM	-75	6.85	88.0	21.28
	3/5/2013	7.12	243	-59	1.29	25.5	5.34
	6/7/2013	7.51	795	-147	0.76	42.0	11.01
	8/27/2013	7.37	1,185	-165	0.60	70.3	18.12
	11/14/2013	7.81	1,081	-188	1.06	68.2	14.31
	5/29/2014	7.45	998	-160	2.10	86.1	12.94
	11/25/2014	7.44	498	-113.9	2.57	59.2	8.61
	4/21/2015	7.01	329	-24.7	1.02	38.3	7.13
	4/22/2016	7.49	619	-126.8	8.52	43.8	13.95
	11/30/2016	6.97	571	-111.7	0.65	6.81	15.20
PRB-07s	8/10/2011	7.59	667	-188	0.29	23.0	17.81
	10/7/2011	7.64	577	-97.1	0.25	1.72	17.12
	1/11/2012	7.14	591	-88	0.35	1.14	9.88
	4/10/2012	7.65	443	-42	0.58	2.07	9.09
	7/16/2012	7.10	675	-118	0.44	32.5	16.99
	10/4/2012	NM	560	-109	0.34	3.51	17.66
	3/4/2013	7.28	538	-71	1.78	1.68	8.00
	6/6/2013	7.66	703	-212	0.33	0.69	12.25
	8/26/2013	7.27	832	-139	0.52	16.9	18.90
	11/15/2013	6.80	725	-98	0.89	29.3	13.99
	5/28/2014	7.49	658	-154	0.32	2.32	11.26
	11/25/2014	7.23	502	-86.7	0.72	3.99	12.29
	4/22/2015	7.35	561	-81.4	0.40	0.98	8.26
	4/25/2016	7.19	807	-103.6	0.24	1.24	10.75
	11/30/2016	7.32	571	-81.1	0.37	1.08	14.08
PRB-08s	8/10/2011	7.44	1,119	-122	0.28	22.7	18.39
	10/6/2011	7.35	1,148	-143.5	0.37	2.33	17.02
	1/11/2012	7.06	1,233	-129	0.41	1.00	9.97
	4/10/2012	7.29	965	-105	0.31	1.12	10.28
	7/13/2012	6.91	1,157	-105	0.37	14.7	17.80
	10/4/2012	NM	796	-111	0.30	5.93	18.72
	3/5/2013	7.01	832	-49	1.92	9.81	7.08
	6/6/2013	7.51	856	-164	0.30	4.31	13.12
	8/26/2013	7.11	982	-115	0.59	17.0	19.56
	11/15/2013	6.67	703	-93	1.75	31.0	14.00
	5/28/2014	7.36	716	-111	0.39	6.54	11.29
	11/25/2014	6.99	467	-45.7	0.68	5.24	12.94
	4/22/2015	7.20	470	-17.4	0.65	1.76	8.33
	12/7/2015	7.11	672	-45	0.63	37.0	11.48
	4/22/2016	7.31	668	-31.2	0.80	0.55	9.99
	11/30/2016	7.76	519	-79.6	0.28	2.88	14.77
	5/17/2017	7.22	831	10.9	2.35	2.2	12.1

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 6
Summary of Field Parameters at PRB Performance Monitoring Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
PRB-08d	8/10/2011	7.59	1,044	-162	0.20	21.0	14.30
	10/6/2011	7.40	996	-93	0.27	9.61	14.05
	1/11/2012	7.05	972	-90	0.41	0.00	11.91
	4/10/2012	7.40	836	-63	0.23	1.49	11.92
	7/13/2012	7.23	1,163	-105	0.33	14.2	16.05
	10/4/2012	NM	874	-126	0.25	4.39	15.18
	3/5/2013	7.29	812	-30	0.94	3.25	10.34
	6/6/2013	7.55	819	-119	0.29	8.62	13.42
	8/26/2013	7.22	989	-94	0.55	32.5	17.30
	11/15/2013	6.76	829	-70	2.22	33.8	12.70
	5/28/2014	7.41	942	-99	0.27	8.90	12.54
	11/25/2014	7.27	677	-73.8	0.55	6.50	13.23
	4/22/2015	7.32	719	-37.1	0.41	3.46	10.83
	12/8/2015	7.42	1,019	-87	0.38	44.0	13.78
	4/22/2016	7.33	950	-19.3	0.52	5.58	11.89
	11/30/2016	7.31	754	-80.2	0.29	3.00	14.80
	5/15/2017	7.08	1,091	-65.9	0.36	24.0	12.4
PRB-09s	8/11/2011	6.70	8,440	-202	0.15	41.8	19.38
	10/6/2011	7.04	2,984	-130.8	2.45	91.0	20.65
	1/12/2012	7.02	2,370	-140	0.88	25.0	9.80
	4/9/2012	7.50	1,840	-143	0.86	37.8	12.68
	7/13/2012	7.27	3,470	-198	0.36	57.7	18.97
	10/9/2012	NM	1,910	-109	5.69	74.7	21.55
	3/5/2013	7.35	468	-42	1.69	35.7	6.23
	6/7/2013	7.51	1,156	-106	4.03	52.1	13.29
	8/27/2013	7.14	1,800	-150	0.70	33.0	19.75
	11/14/2013	6.92	1,590	-140	1.97	41.7	14.72
	5/30/2014	6.96	990	-96	3.74	18.3	11.50
	11/25/2014	7.18	993	-101.4	1.72	14.6	10.92
	4/20/2015	7.11	665	73.3	2.04	15.3	8.61
	4/25/2016	7.15	1,175	-51.5	1.56	12.4	15.90
	11/30/2016	7.37	932	-75.8	0.86	21.4	15.45
PRB-10s	8/11/2011	7.37	1,054	-66	2.95	21.1	18.54
	10/6/2011	6.95	992	27.5	2.90	1.7	18.81
	1/12/2012	6.97	1,158	37	1.57	24.0	10.15
	4/9/2012	7.33	827	96	3.20	3.3	11.58
	7/13/2012	6.79	1,392	68	2.28	12.2	17.92
	10/9/2012	NM	921	40	1.42	9.7	18.79
	3/5/2013	7.25	672	93	5.41	0.5	7.37
	6/6/2013	7.57	591	62	6.56	1.2	13.73
	8/27/2013	6.78	966	136	4.99	16.8	19.01
	11/14/2013	6.74	875	49	3.30	29.9	14.20
	5/30/2014	7.21	636	39	6.39	1.84	12.35
	11/26/2014	7.02	625	139.2	6.00	6.66	12.61
	4/20/2015	7.18	511	93.3	7.28	6.88	10.00
	4/25/2016	7.10	752	135.1	6.58	2.73	12.21
	11/30/2016	7.24	458	99.0	6.73	3.53	14.55

Notes:
S.U. = Standard pH Units, umhos/cm = micromhos per centimeter, mV = milliVolts, mg/L = milligrams per Liter, NTU = Nephelometric Turbidity Units, °C = degrees Celsius
NM = not measured

Table 6
Summary of Field Parameters at PRB Performance Monitoring Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
PRB-11s	8/10/2011	7.39	530	133	6.63	19.1	14.12
	10/6/2011	6.97	454	-6.3	8.12	3.05	13.80
	1/11/2012	7.24	454	188	5.30	1.00	10.80
	4/9/2012	7.67	394	46	6.95	11.8	12.27
	7/16/2012	7.52	503	0	6.50	21.8	15.50
	10/11/2012	7.63	NM	56	7.48	12.2	13.71
	3/4/2013	7.28	389	180	6.31	0.30	10.55
	6/7/2013	7.78	338	112	6.38	2.20	11.69
	8/26/2013	7.30	424	163	7.58	14.9	15.14
	11/15/2013	7.19	350	20	7.20	27.9	12.81
	5/29/2014	7.39	535	161	7.18	1.62	11.52
	11/26/2014	7.31	297	116.6	9.88	3.93	11.58
	4/22/2015	7.55	335	72.3	7.39	2.09	9.46
	12/8/2015	7.60	504	40	6.55	25.0	12.57
	4/21/2016	7.36	533	284.9	7.54	1.48	11.17
	12/1/2016	7.54	350	43.6	7.72	0.77	12.79
	5/15/2017	7.41	452.5	98.0	9.17	4.3	12.1
PRB-12s	8/11/2011	7.65	890	-48	4.75	21.8	13.28
	10/6/2011	6.94	988	59.2	4.59	3.14	13.72
	1/12/2012	7.00	1,001	143	3.72	2.10	11.26
	4/9/2012	7.56	674	90	6.07	4.12	11.67
	7/12/2012	7.10	1,143	191	2.96	7.90	13.13
	10/11/2012	7.29	NM	202	3.64	12.0	13.54
	3/5/2013	8.19	196	70	6.81	2.55	7.09
	6/5/2013	7.73	523	218	8.65	0.56	12.22
	8/27/2013	7.41	731	21	6.14	18.0	16.40
	11/13/2013	7.28	838	1.83	4.36	25.9	12.30
	5/29/2014	7.59	815	84	5.59	0.94	11.56
	11/26/2014	7.42	876	75	5.43	33.6	11.81
	4/21/2015	7.56	508	73.4	7.15	2.80	10.40
	4/20/2016	7.28	860	281.6	5.37	2.15	11.04
	12/1/2016	7.87	695	-41.5	5.02	0.71	12.94
	5/15/2017	7.54	572	143.8	8.49	2.4	11.9
PRB-13s	8/11/2011	7.66	686	-77	1.44	24.0	14.70
	10/6/2011	6.81	721	46.1	2.36	1.07	14.77
	1/12/2012	7.18	626	115	1.32	0.00	12.96
	4/3/2012	7.23	570	62	1.00	1.01	14.65
	7/12/2012	7.31	684	25	1.92	13.9	15.53
	10/11/2012	7.39	NM	169	2.72	13.3	14.56
	3/5/2013	7.47	615	43	2.59	7.03	11.96
	6/5/2013	7.82	593	146	1.43	4.48	15.14
	8/27/2013	7.32	631	-15	1.70	16.8	17.13
	11/13/2013	7.23	547	64	2.36	26.9	12.16
	5/29/2014	7.45	715	47	1.39	0.00	13.64
	11/26/2014	7.32	767	31	2.64	33.9	12.22
	4/21/2015	7.40	512	96.2	3.00	1.94	12.33
	4/20/2016	7.19	909	253.3	2.56	0.95	12.87
	12/1/2016	7.64	658	-59.5	1.79	0.90	13.91

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 6
Summary of Field Parameters at PRB Performance Monitoring Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
PRB-14s	8/11/2011	7.56	952	-111	0.33	32.0	14.93
	10/6/2011	7.38	698	6.2	0.32	3.28	15.58
	1/12/2012	6.75	704	8	0.39	9.94	13.05
	4/3/2012	7.47	651	25	0.55	6.31	14.10
	7/12/2012	7.33	835	4	0.42	16.3	16.12
	10/11/2012	7.44	NM	86	0.91	14.3	15.29
	3/5/2013	7.45	628	36	2.39	3.00	10.40
	6/5/2013	7.74	681	153	0.66	0.83	14.64
	8/27/2013	7.32	770	-9	0.65	17.2	17.57
	11/13/2013	7.24	592	20	1.29	26.5	12.60
	5/29/2014	7.51	730	29	0.55	0.95	13.92
	11/26/2014	7.38	788	-25	1.12	36.1	11.98
	4/21/2015	7.42	567	88.5	1.19	1.14	11.85
	4/20/2016	7.25	841	266.8	1.39	1.19	12.61
	12/1/2016	7.32	676	22.6	1.33	1.15	13.88
PRB-15s	8/11/2011	7.43	924	-103	0.91	28.0	14.63
	10/6/2011	7.05	914	25	1.82	2.48	16.01
	1/12/2012	7.53	467	95	3.75	32.0	12.67
	4/9/2012	7.35	729	119	1.55	7.83	11.74
	7/12/2012	7.17	1,154	48	1.63	14.6	15.52
	10/11/2012	7.40	NM	-68	0.74	11.3	16.17
	3/5/2013	7.39	538	5	1.07	2.00	10.20
	6/5/2013	7.52	1,058	169	3.79	2.87	13.92
	8/27/2013	7.02	969	58	2.10	17.1	17.60
	11/14/2013	6.77	608	243	1.40	28.0	14.03
	5/29/2014	7.35	750	46	3.28	1.09	13.01
	11/26/2014	7.27	893	52	4.04	37.5	11.71
	4/21/2015	7.40	475	126.9	2.62	2.76	11.19
	12/4/2015	7.16	762	75	3.30	34.0	11.66
	4/20/2016	7.31	860	304.7	7.01	2.41	11.73
	12/1/2016	7.44	615	53.3	5.62	0.99	14.02
PRB-15d	8/11/2011	7.52	1,009	-172	0.41	26.9	14.85
	10/6/2011	7.20	876	-82.5	0.28	4.19	14.86
	1/12/2012	7.10	957	-162	0.42	0.50	13.09
	4/9/2012	7.39	877	41	0.56	5.14	12.76
	7/12/2012	7.35	1,195	-88	0.32	14.3	16.03
	10/11/2012	7.46	NM	-110	0.38	12.8	14.76
	3/5/2013	7.43	850	-74	1.28	5.92	10.21
	6/5/2013	7.80	919	-218	0.38	3.05	14.67
	8/27/2013	7.19	1,097	-90	0.60	22.0	17.26
	11/14/2013	6.98	916	-98	1.15	32.0	13.43
	5/29/2014	7.38	1,091	-116	0.46	0.96	14.28
	11/26/2014	7.53	944	51	1.45	41.3	11.47
	4/21/2015	7.50	610	84.7	0.86	1.33	12.59
	12/4/2015	7.23	902	-12	0.65	40.0	10.83
	4/20/2016	7.33	1,063	-36	0.21	1.41	13.41
	12/1/2016	7.76	725	-53.5	0.25	0.61	12.81

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 6
Summary of Field Parameters at PRB Performance Monitoring Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
PRB-16s	7/12/2012	7.01	778	68	2.81	4.81	21.05
	10/9/2012	NM	641	58	3.12	12.6	19.01
	3/27/2013	8.70	883	93	4.37	0.00	8.56
	6/6/2013	7.46	834	68	3.70	0.85	14.25
	8/27/2013	7.00	833	45	3.25	17.1	19.14
	11/14/2013	6.89	649	28	2.90	26.9	14.17
	5/30/2014	7.29	605	-66	2.94	2.83	12.99
	12/1/2014	7.18	561	-76	1.68	28.2	11.49
	4/20/2015	7.34	342	-1.4	5.01	3.40	9.01
	4/20/2016	7.22	540	63.9	5.50	0.56	9.82
	12/2/2016	7.40	431	-11.9	3.72	0.57	13.82

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 7
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-01s (16-21') Depth to Groundwater Approx. 16 - 19'	3/13/2009	<100	<20	<100	<20	<20	<20	<20	<20	**750**	<20	**2,700**	<20	<20
	4/20/2009	NA	NA	<500	<100	<100	<100	<100	<100	**1,100**	<100	**2,200**	NA	<100
	12/9/2009	<100	<20	<100	<20	<20	<20	<20	<20	**1,000**	<20	**3,400**	<20	<20
	3/17/2010	<100	<20	<100	<20	<20	<20	<20	<20	**1,400**	<20	**2,500**	<20	<20
	5/18/2010	<100	<20	<100	<20	<20	<20	<20	<20	**1,000**	<20	**2,700**	<20	<20
	9/10/2010	<100	<20	<100	<20	<20	<20	<20	<20	**750**	<20	**2,400**	<20	<20
	12/28/2010	<100	<20	<100	<20	<20	<20	<20	<20	**1,100**	<20	**2,500**	<20	<20
	2/25/2011	<50	<10	<50	<10	<10	<10	<10	<10	**560**	<10	**1,300**	<10	<10
	5/11/2011[4]	<50	<10	<50	<10	<10	<10	<10	<10	**860**	<10	**1,900**	<10	<10
	7/28/2011	<100	<20	<100	<20	<20	<20	<20	<20	**500**	<20	**1,900**	<20	<20
	10/6/2011	<100	<20	<100	<20	<20	<20	<20	<20	**540**	<20	**2,000**	<20	<20
	1/9/2012	<100	<20	<100	<20	<20	**31**	<20	<20	**530**	<20	**2,000**	<20	<20
	4/4/2012	<100	<20	<100	<20	<20	**38**	<20	<20	**480**	<20	**1,900**	<20	<20
	7/11/2012	<100	<20	<100	<20	<20	<20	<20	<20	**560**	<20	**2,100**	<20	<20
	10/8/2012	<100	<20	<100	<20	<20	<20	<20	<20	**650**	<20	**2,000**	<20	<20
	6/11/2013	<100	<20	<100	<20	<20	<20	<20	<20	**470**	<20	**1,400**	<20	<20
	11/12/2013	<100	<20	<100	<20	<20	<20	<20	<20	**660**	<20	**1,800**	<20	<20
	5/21/2014	<50	<10	<50	<10	<10	<10	<10	<10	**370**	<10	**1,500**	<10	<10
	11/26/2014	<100	<20	<100	<20	<20	<20	<20	<20	**340**	<20	**2,000**	<20	<20
	5/21/2015	<50	<10	<50	<10	<10	**11**	<10	<10	**370**	<10	**1,900**	<10	<10
	4/28/2016	<50	<10	<50	<10	**16**	**13**	<10	<10	**320**	<10	**1,700**	<10	<10
	12/2/2016	<100	<20	<100	<20	<20	<20	<20	<20	**260**	<20	**1,500**	<20	<20
DUP-01 (MW-01s)	3/13/2009	<20	<20	<20	<20	<20	<20	<20	<20	**720**	<20	**2,700**	<20	<20

Notes:
Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.
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 criterion
* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlaying clay unit. The depth to the bottom of the upper clay unit is approximately 7.0 feet below ground surface (ft bgs) at MW-09s, 8.0 ft bgs at MW-20s (based on boring log for nearby soil boring B-29), 15.0 ft bgs at MW-23, 9.0 ft bgs at MW-27s, 20.5 ft bgs at MW-29d, and 14.0 ft bgs at MW-30s and MW-30d.
1) Compound may exhibit characteristic ignitability as defined in 40 C.F.R. § 261.21.
2) 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.
3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.
4) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.
5) Quality control results for trichloroethene are outside the established control limits, the result is approximate.
6) Headspace present in the sample, results are approximate.

Table 7
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-02s (23-28') Depth to Groundwater Approx. 22 - 24'	3/13/2009	<10	<2.0	<10	<2.0	<2.0	**2.4**	<2.0	**2.2**	**2.5**	<2.0	**280**	<2.0	<2.0
	4/20/2009	NA	<10	<50	<10	<10	<10	<10	<10	<10	<10	**130**	NA	<10
	12/9/2009	<10	<2.0	<10	<2.0	<2.0	**3.7**	<2.0	**2.7**	**2.9**	<2.0	**250**	<2.0	<2.0
	3/17/2010	**13**	<2.0	<10	<2.0	<2.0	**4.1**	<2.0	**2.3**	**3.1**	<2.0	**290**	<2.0	<2.0
	5/18/2010	<10	<2.0	<10	<2.0	<2.0	**2.3**	<2.0	**2.4**	**2.6**	<2.0	**210**	<2.0	<2.0
	9/10/2010	<10	<2.0	<10	<2.0	<2.0	**2.3**	<2.0	**2.3**	**2.3**	<2.0	**220**	<2.0	<2.0
	12/22/2010	<10	<2.0	<10	<2.0	<2.0	**2.4**	<2.0	**2.3**	**3.1**	<2.0	**240**	<2.0	<2.0
	2/24/2011	<10	<2.0	<10	<2.0	<2.0	**2.0**	<2.0	<2.0	**2.6**	<2.0	**240**	<2.0	<2.0
	5/10/2011[4]	<10	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<2.0	**2.3**	<2.0	**250**	<2.0	<2.0
	7/28/2011[4]	<10	<2.0	<10	<2.0	<2.0	**2.0**	<2.0	**2.2**	**2.4**	<2.0	**280**	<2.0	<2.0
	10/7/2011	<10	<2.0	<10	<2.0	<2.0	<2.0	<2.0	**2.5**	**2.5**	<2.0	**220**	<2.0	<2.0
	1/10/2012	<10	<2.0	<10	<2.0	<2.0	<2.0	<2.0	**2.8**	**2.5**	<2.0	**190**	<2.0	<2.0
	4/5/2012	<10	<2.0	<10	<2.0	<2.0	**2.7**	<2.0	**3.5**	**3.4**	<2.0	**210**	<2.0	<2.0
	7/11/2012	<10	<2.0	<10	<2.0	<2.0	**2.2**	<2.0	**2.5**	**3.5**	<2.0	**330**	<2.0	<2.0
	10/25/2012	<10	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<2.0	**2.6**	<2.0	**270**	<2.0	<2.0
	6/11/2013	<10	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<2.0	**2.8**	<2.0	**300**	<2.0	<2.0
	11/12/2013	<12	<2.5	<12	<2.5	<2.5	**2.8**	<2.5	<2.5	**4.4**	<2.5	**410**	<2.5	<2.5
	5/19/2014	<12	<2.5	<12	<2.5	<2.5	<2.5	<2.5	<2.5	**3.1**	<2.5	**280**	<2.5	<2.5
	11/26/2014	<12	<2.5	<12	<2.5	<2.5	<2.5	<2.5	<2.5	**3.1**	<2.5	**380**	<2.5	<2.5
	5/21/2015	<10	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<2.0	**2.4**	<2.0	**330**	<2.0	<2.0
	12/4/2015	<12	<2.5	<12	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**290**	<2.5	<2.5
	4/29/2016	<10	<2.0	<10	<2.0	<2.0	**2.5**	<2.0	<2.0	<2.0	<2.0	**230**	<2.0	<2.0
	12/2/2016	<12	<2.5	<12	<2.5	<2.5	<2.5	<2.5	<2.5	**3.4**	<2.5	**270**	<2.5	<2.5

Notes:

Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.

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 criterion

* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlaying clay unit. The depth to the bottom of the upper clay unit is approximately 7.0 feet below ground surface (ft bgs) at MW-09s, 8.0 ft bgs at MW-20s (based on boring log for nearby soil boring B-29), 15.0 ft bgs at MW-23, 9.0 ft bgs at MW-27s, 20.5 ft bgs at MW-29d, and 14.0 ft bgs at MW-30s and MW-30d.

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

2) 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.

3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.

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

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

6) Headspace present in the sample, results are approximate.

Table 7
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-03s (9-14') Depth to Groundwater Approx. 8 - 10'	3/13/2009	<10	<2.0	<10	**9.1**	<2.0	**240**	**9.1**	<2.0	<2.0	<2.0	<2.0	<2.0	**140**
	4/20/2009	NA	<10	<50	**18**	<10	**490**	**18**	<10	<10	<10	<10	NA	**210**
	12/8/2009	<120	<25	<120	**46**	<25	**2,200**	**83**	<25	<25	<25	<25	<25	**130**
	3/17/2010	<25	<5.0	<25	**11**	<5.0	**460**	**17**	<5.0	<5.0	<5.0	<5.0	<5.0	**42**
	5/18/2010	<25	<5.0	<25	**14**	<5.0	**630**	**24**	<5.0	<5.0	<5.0	<5.0	<5.0	**34**
	9/10/2010	<50	<10	<50	**29**	<10	**1,600**	**63**	<10	<10	<10	<10	<10	**83**
	12/22/2010	<50	<10	<50	**32**	<10	**1,800**	**82**	<10	<10	<10	<10	<10	**70**
	2/25/2011	<100	<20	<100	**33**	<20	**2,200**	**110**	<20	<20	<20	<20	<20	**75**
	5/10/2011[4]	<100	<20	<100	**25**	<20	**1,600**	**77**	<20	<20	<20	<20	<20	**52**
	7/28/2011	<100	<20	<100	**23**	<20	**1,700**	**78**	<20	<20	<20	<20	<20	**65**
	10/6/2011	<100	<20	<100	**24**	<20	**2,100**	**100**	<20	<20	<20	<20	<20	**91**
	1/10/2012	<50	<10	<50	**22**	<10	**1,300**	**81**	<10	<10	<10	<10	<10	**51**
	4/4/2012	<100	<20	<100	<20	<20	**1,600**	**84**	<20	<20	<20	**20**	<20	**170**
	7/11/2012	<100	<20	<100	**23**	<20	**2,500**	**120**	<20	<20	<20	**25**	<20	**210**
	10/8/2012	<100	<20	<100	<20	<20	**1,700**	**93**	<20	<20	<20	<20	<20	**100**
	6/3/2013	<100	<20	<100	**24**	<20	**2,000**	**120**	<20	<20	<20	<20	<20	**220**
	11/11/2013	<100	<20	<100	**35**	<20	**2,500**	**150**	<20	<20	<20	<20	<20	**350**
	5/19/2014	<100	<20	<100	<20	<20	**1,500**	**99**	<20	<20	<20	<20	<20	**150**
	11/26/2014	<100	<20	<100	**21**	<20	**1,900**	**130**	<20	<20	<20	<20	<20	**210**
	5/21/2015	<50	<10	<50	**20**	<10	**1,800**	**130**	<10	<10	<10	<10	<10	**450**
	12/3/2015	<100	<20	<100	<20	<20	**1,700**	**120**	<20	<20	<20	<20	<20	**200**
	4/29/2016	<50	<10	<50	**18**	<10	**1,600**	**100**	<10	<10	<10	<10	<10	**110**
	12/2/2016	<100	<20	<100	<20	<20	**1,500**	**110**	<20	<20	<20	**21**	<20	**270**
	5/16/2017	<50	<10	<50	**12**	<10	**1,100**	**72**	<10	**12**	<10	**14**	<10	**140**
DUP-01 (MW-03s)	12/8/2009	<120	<25	<120	**42**	<25	**2,000**	**73**	<25	<25	<25	<25	<25	**120**

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Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-04s (15-20') Depth to Groundwater Approx. 15 - 17'	3/13/2009	<120	<25	<120	<25	<25	**2,100**	**70**	<25	<25	<25	**5,000**	<25	**460**
	4/20/2009	NA	<100	<500	<100	<100	**1,700**	<100	<100	<100	<100	**4,000**	NA	**520**
	12/9/2009	<250	<50	<250	<50	<50	**2,500**	**90**	<50	<50	<50	**7,100**	<50	**270**
	3/17/2010	<250	<50	<250	<50	<50	**2,900**	**82**	<50	<50	<50	**7,500**	<50	**520**
	5/18/2010	<250	<50	<250	<50	<50	**2,100**	**58**	<50	<50	<50	**4,700**	<50	**280**
	9/17/2010	<250	<50	<250	<50	<50	**2,400**	**70**	<50	<50	<50	**5,200**	<50	**200**
	12/22/2010	<250	<50	<250	<50	<50	**2,700**	**91**	<50	<50	<50	**6,700**	<50	**270**
	2/25/2011	<250	<50	<250	<50	<50	**2,500**	**82**	<50	<50	<50	**5,900**	<50	**280**
	5/11/2011[4]	<250	<50	<250	<50	<50	**1,900**	**58**	<50	<50	<50	**4,600**	<50	**270**
	7/28/2011	<250	<50	<250	<50	<50	**1,700**	**50**	<50	<50	<50	**4,600**	<50	**190**
	10/6/2011	<250	<50	<250	<50	<50	**2,000**	**58**	<50	<50	<50	**4,600**	<50	**190**
	1/10/2012	<250	<50	<250	<50	<50	**1,800**	**72**	<50	<50	<50	**4,800**	<50	**190**
	4/4/2012	<250	<50	<250	<50	<50	**1,600**	**54**	<50	<50	<50	**4,300**	<50	**170**
	7/11/2012	<250	<50	<250	<50	<50	**2,100**	**65**	<50	<50	<50	**5,600**	<50	**200**
	10/8/2012	<250	<50	<250	<50	<50	**2,200**	**66**	<50	<50	<50	**6,700**	<50	**200**
	6/3/2013	<250	<50	<250	<50	<50	**1,900**	**63**	<50	<50	<50	**5,700**	<50	**140**
	11/11/2013	<250	<50	<250	<50	<50	**1,900**	**66**	<50	<50	<50	**6,600**	<50	**140**
	5/19/2014	<250	<50	<250	<50	<50	**1,100**	<50	<50	<50	<50	**3,900**	<50	**56**
	11/26/2014	<250	<50	<250	<50	<50	**1,200**	<50	<50	<50	<50	**5,500**	<50	**80**
	5/21/2015	<250	<50	<250	<50	<50	**1,700**	**64**	<50	<50	<50	**6,200**	<50	**120**
	12/3/2015	<250	<50	<250	<50	<50	**1,300**	**52**	<50	<50	<50	**5,000**	<50	**78**
	4/29/2016	<250	<50	<250	<50	<50	**1,200**	**53**	<50	<50	<50	**4,300**	<50	**72**
	12/2/2016	<250	<50	<250	<50	<50	**1,300**	**56**	<50	<50	<50	**4,500**	<50	**60**
	5/16/2017	<100	<20	<100	<20	<20	**570**	**23**	<20	<20	<20	**1,900**	<20	**26**

Notes:

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Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-04i (21.5-26.5') Depth to Groundwater Approx. 16-17'	4/3/2013	<250	<50	<250	<50	<50	**3,100**	**100**	<50	<50	<50	**5,000**	<50	**53**
	6/3/2013	<250	<50	<250	<50	<50	**3,400**	**96**	<50	<50	<50	**4,900**	<50	**53**
	8/29/2013	<250	<50	<250	<50	<50	**3,900**	**120**	<50	<50	<50	**5,600**	<50	**68**
	11/11/2013	<250	<50	<250	<50	<50	**4,200**	**120**	<50	<50	<50	**5,400**	<50	**78**
	3/27/2014	<250	<50	<250	<50	<50	**3,000**	**79**	<50	<50	<50	**4,000**	<50	<50
	5/19/2014	<250	<50	<250	<50	<50	**3,300**	**100**	<50	<50	<50	**4,600**	<50	**56**
	7/18/2014	<250	<50	<250	<50	<50	**3,000**	**91**	<50	<50	<50	**4,100**	<50	**54**
	11/26/2014	<250	<50	<250	<50	<50	**3,400**	**110**	<50	<50	<50	**5,200**	<50	**61**
	3/26/2015	<250	<50	<250	<50	<50	**3,500**	**110**	<50	<50	<50	**5,000**	<50	**76**
	5/21/2015	<250	<50	<250	<50	<50	**3,600**	**130**	<50	<50	<50	**6,400**	<50	**80**
	12/4/2015	<250	<50	<250	<50	<50	**3,600**	**130**	<50	<50	<50	**5,800**	<50	**68**
	4/29/2016	<250	<50	<250	<50	<50	**3,200**	**130**	<50	<50	<50	**5,300**	<50	**60**
	7/29/2016	<250	<50	<250	<50	<50	**3,200**	**120**	<50	<50	<50	**4,400**	<50	<50
	12/2/2016	<250	<50	<250	<50	<50	**2,800**	**110**	<50	<50	<50	**4,200**	<50	**66**
	1/27/2017	<250	<50	<250	<50	<50	**3,100**	**120**	<50	<50	<50	**4,800**	<50	**64**
	5/16/2017	<250	<50	<250	<50	<50	**2,900**	**110**	<50	<50	<50	**4,400**	<50	<50
MW-05s (25-30') Depth to Groundwater Approx. 25 - 27'	3/13/2009	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**3.5**	<1.0	<1.0	**120**	<1.0	<1.0
	4/20/2009	NA	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**140**	NA	<5.0
	12/10/2009	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**5.3**	<1.0	<1.0	**190**	<1.0	<1.0
	3/17/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**6.3**	<1.0	<1.0	**160**	<1.0	<1.0
	5/17/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**4.6**	<1.0	<1.0	**160**	<1.0	<1.0
	9/9/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**4.6**	<1.0	<1.0	**140**	<1.0	<1.0
	12/21/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**4.9**	<1.0	<1.0	**160**	<1.0	<1.0
	2/24/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**4.4**	<1.0	<1.0	**130**	<1.0	<1.0
	5/13/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**4.9**	<1.0	<1.0	**160**	<1.0	<1.0
	7/27/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**4.8**	<1.0	<1.0	**150**	<1.0	<1.0
	10/10/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**5.1**	<1.0	<1.0	**150**	<1.0	<1.0
	1/9/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**5.8**	<1.0	<1.0	**150**	<1.0	<1.0
	4/9/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**5.7**	<1.0	<1.0	**160**	<1.0	<1.0
	7/10/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**5.8**	<1.0	<1.0	**160**	<1.0	<1.0
	10/25/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**3.8**	<1.0	<1.0	**130**	<1.0	<1.0
	11/8/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**3.4**	<1.0	<1.0	**100**	<1.0	<1.0
	11/25/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**3.5**	<1.0	<1.0	**110**	<1.0	<1.0
	12/1/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**2.6**	<1.0	<1.0	**79**	<1.0	<1.0
	12/1/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**2.6**	<1.0	<1.0	**79**	<1.0	<1.0

Notes:
Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.
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 criterion
* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlaying clay unit. The depth to the bottom of the upper clay unit is approximately 7.0 feet below ground surface (ft bgs) at MW-09s, 8.0 ft bgs at MW-20s (based on boring log for nearby soil boring B-29), 15.0 ft bgs at MW-23, 9.0 ft bgs at MW-27s, 20.5 ft bgs at MW-29d, and 14.0 ft bgs at MW-30s and MW-30d.
1) Compound may exhibit characteristic ignitability as defined in 40 C.F.R. § 261.21.
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3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.
4) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.
5) Quality control results for trichloroethene are outside the established control limits, the result is approximate.
6) Headspace present in the sample, results are approximate.

Table 7
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-06s (24-29') Depth to Groundwater Approx. 23 - 26'	3/16/2009	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**21**	<1.0	<1.0
	4/20/2009	NA	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**23**	NA	<1.0
	12/9/2009	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**37**	<1.0	<1.0
	3/18/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**31**	<1.0	<1.0
	5/17/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**33**	<1.0	<1.0
	9/10/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**29**	<1.0	<1.0
	12/21/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**34**	<1.0	<1.0
	2/18/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**35**	<1.0	<1.0
	5/10/2011[4]	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**27**	<1.0	<1.0
	7/27/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**27**	<1.0	<1.0
	10/5/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**30**	<1.0	<1.0
	1/9/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**31**	<1.0	<1.0
	4/3/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**32**	<1.0	<1.0
	7/10/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**32**	<1.0	<1.0
	10/4/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**28**	<1.0	<1.0
	11/7/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**27**	<1.0	<1.0
	11/24/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**24**	<1.0	<1.0
	12/1/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**25**	<1.0	<1.0
MW-07s (23.5-28.5') Depth to Groundwater Approx. 24 - 26'	3/16/2009	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.1**	<1.0	**10**	<1.0	<1.0
	4/20/2009	NA	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.6**	<1.0	**11**	NA	<1.0
	12/10/2009	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.8**	<1.0	**14**	<1.0	<1.0
	3/17/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.9**	<1.0	**13**	<1.0	<1.0
	5/17/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.9**	<1.0	**13**	<1.0	<1.0
	9/10/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.4**	<1.0	**12**	<1.0	<1.0
	12/21/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.1**	<1.0	**16**	<1.0	<1.0
	2/24/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.6**	<1.0	**12**	<1.0	<1.0
	5/13/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.5**	<1.0	**12**	<1.0	<1.0
	7/27/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**	<1.0	**11**	<1.0	<1.0
	10/10/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.4**	<1.0	**13**	<1.0	<1.0
	1/9/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.6**	<1.0	**14**	<1.0	<1.0
	4/9/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.3**	<1.0	**12**	<1.0	<1.0
	7/10/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.4**	<1.0	**14**	<1.0	<1.0
	10/19/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.5**	<1.0	**14**	<1.0	<1.0
	11/8/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.6**	<1.0	**13**	<1.0	<1.0
	11/25/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**	<1.0	**15**	<1.0	<1.0
	12/1/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.1**	<1.0	**13**	<1.0	<1.0

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Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-08s (23.5-28.5') Depth to Groundwater 23 - 26'	3/16/2009	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**11**	<1.0	<1.0
	4/20/2009	NA	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**10**	NA	<1.0
	12/10/2009	<5.0	<1.0	<5.0	<1.0	<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	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**10**	NA	<1.0
MW-08d (40-45') Depth to Groundwater Approx. 26 - 27'	4/2/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/11/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/28/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/13/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/26/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/21/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/16/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/13/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/26/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/22/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/26/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/22/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/23/2017	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DUP-01 (MW-08d)	4/2/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-09s (7-12') Depth to Groundwater* Approx. 5 - 8'	3/16/2009	<100	<20	<100	<20	<20	<20	<20	<20	**160**	<20	**1,700**	<20	<20
	4/20/2009	NA	<100	<500	<100	<100	<100	<100	<100	**220**	<100	**2,100**	NA	<100
	12/9/2009	<100	<20	<100	<20	<20	<20	<20	<20	**150**	<20	**2,400**	<20	<20
	3/18/2010	<100	<20	<100	<20	<20	<20	<20	<20	**120**	<20	**1,500**	<20	<20
	5/18/2010	<100	<20	<100	<20	<20	<20	<20	<20	**120**	<20	**1,700**	<20	<20
	9/17/2010	<100	<20	<100	<20	<20	<20	<20	<20	**120**	<20	**1,700**	<20	<20
	2/25/2011	<50	<10	<50	<10	<10	<10	<10	<10	**84**	<10	**1,100**	<10	<10
	5/11/2011[4]	<50	<10	<50	<10	<10	<10	<10	<10	**83**	<10	**1,200**	<10	<10

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Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-10s (8-13') Depth to Groundwater Approx. 7 - 9'	5/15/2009	NA	<1.0	<1.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/3/2010	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/9/2011[4]	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/20/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/4/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/4/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/2/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/5/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/3/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/12/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/14/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/22/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/21/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/28/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/27/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/29/2016	<5.0	<1.0	<5.0	<1.0	<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	<1.0	<1.0	<1.0
MW-10d (14-19') Depth to Groundwater Approx. 9 -10'	12/9/2009	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/2/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:
Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.
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 criterion
* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlaying clay unit. The depth to the bottom of the upper clay unit is approximately 7.0 feet below ground surface (ft bgs) at MW-09s, 8.0 ft bgs at MW-20s (based on boring log for nearby soil boring B-29), 15.0 ft bgs at MW-23, 9.0 ft bgs at MW-27s, 20.5 ft bgs at MW-29d, and 14.0 ft bgs at MW-30s and MW-30d.
1) Compound may exhibit characteristic ignitability as defined in 40 C.F.R. § 261.21.
2) 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.
3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.
4) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.
5) Quality control results for trichloroethene are outside the established control limits, the result is approximate.
6) Headspace present in the sample, results are approximate.

Table 7
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-11s (29-34') Depth to Groundwater Approx. 29 - 32'	5/14/2009	NA	<1.0	<1.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/3/2010	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/22/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/7/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/4/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/5/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/6/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/12/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/4/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/24/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/30/2016	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:

Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.

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 criterion

* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlaying clay unit. The depth to the bottom of the upper clay unit is approximately 7.0 feet below ground surface (ft bgs) at MW-09s, 8.0 ft bgs at MW-20s (based on boring log for nearby soil boring B-29), 15.0 ft bgs at MW-23, 9.0 ft bgs at MW-27s, 20.5 ft bgs at MW-29d, and 14.0 ft bgs at MW-30s and MW-30d.

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

2) 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.

3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.

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

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

6) Headspace present in the sample, results are approximate.

Table 7
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-12s (12-17') Depth to Groundwater Approx. 13 - 15'	5/15/2009	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.4**	<1.0	<1.0	<1.0	<1.0	<1.0
	12/30/2009	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.4**	<1.0	<1.0	<1.0	<1.0	<1.0
	3/15/2010	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	**1.0**	<1.0	<1.0	<1.0	<1.0	<1.0
	9/3/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.6**	<1.0	<1.0	<1.0	<1.0	<1.0
	12/14/2010	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	**1.6**	<1.0	<1.0	<1.0	<1.0	<1.0
	7/20/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.4**	<1.0	<1.0	<1.0	<1.0	<1.0
	10/7/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.9**	<1.0	<1.0	<1.0	<1.0	<1.0
	1/4/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**2.2**	<1.0	<1.0	<1.0	<1.0	<1.0
	4/5/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.2**	<1.0	<1.0	<1.0	<1.0	<1.0
	7/9/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.2**	<1.0	<1.0	<1.0	<1.0	<1.0
	10/12/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/30/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/7/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/14/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.7**	<1.0	<1.0	<1.0	<1.0	<1.0
	11/19/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/28/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/2/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.3**	<1.0	<1.0	<1.0	<1.0	<1.0
	4/26/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.3**	<1.0	<1.0	<1.0	<1.0	<1.0
	11/28/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

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Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-12d (33-38') Depth to Groundwater Approx. 13 - 15'	3/18/2010	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/3/2010	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/20/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/7/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/4/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/5/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/9/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/12/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/31/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/7/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/15/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/19/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/28/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/2/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/26/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/29/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:

Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.

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 criterion

* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlaying clay unit. The depth to the bottom of the upper clay unit is approximately 7.0 feet below ground surface (ft bgs) at MW-09s, 8.0 ft bgs at MW-20s (based on boring log for nearby soil boring B-29), 15.0 ft bgs at MW-23, 9.0 ft bgs at MW-27s, 20.5 ft bgs at MW-29d, and 14.0 ft bgs at MW-30s and MW-30d.

1) Compound may exhibit characteristic ignitability as defined in 40 C.F.R. § 261.21.
2) 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.
3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.
4) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.
5) Quality control results for trichloroethene are outside the established control limits, the result is approximate.
6) Headspace present in the sample, results are approximate.

Table 7
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-13s (13-18') Depth to Groundwater Approx. 15 - 17'	5/15/2009	NA	<1.0	<1.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/3/2010	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/20/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/10/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/4/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/9/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/10/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/12/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/31/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/7/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/15/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/25/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/28/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/27/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/2/2016[4]	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-14s (4-9') Depth to Perched Groundwater Approx. 3 - 7'	5/14/2009	NA	<1.0	<1.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/3/2010	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/11/2011[4]	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/21/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/7/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/4/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/5/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/3/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:

Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.

ug/L = micrograms per liter; NC = No criteria; NA = Not analyzed

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

2) 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.

3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.

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

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

6) Headspace present in the sample, results are approximate.

Table 7
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-14d (37.5-42.5') Depth to Groundwater Approx. 30 - 31'	3/23/2010	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/3/2010	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/9/2011[4]	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/21/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/5/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/4/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/2/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/3/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/4/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/12/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/14/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/22/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/16/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/20/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/23/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/28/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/2/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/26/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/26/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/29/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/23/2017	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/9/2011[4]	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/21/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/5/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/4/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/2/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/3/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/4/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:
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Bold font denotes concentrations detected above laboratory reporting limits
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1) Compound may exhibit characteristic ignitability as defined in 40 C.F.R. § 261.21.
2) 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.
3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.
4) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.
5) Quality control results for trichloroethene are outside the established control limits, the result is approximate.
6) Headspace present in the sample, results are approximate.

Table 7
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Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
DUP-02 (MW-14d)	6/12/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/22/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/20/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/23/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/26/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-15s (30-35') Depth to Groundwater Approx. 30 - 32'	5/15/2009	NA	<1.0	<1.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/25/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/7/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/5/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/5/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/9/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/2/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/5/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/25/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/30/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:

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1) Compound may exhibit characteristic ignitability as defined in 40 C.F.R. § 261.21.
2) Criterion is not protective for surface water used as a drinking water source as described in footnote {X} of MDEQ Op Memo 1 Part 201, Attachment 1.
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Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-17s (3-8') Depth to Groundwater Approx. 6'	7/23/2009	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/11/2011[4]	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/21/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/4/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/5/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/2/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/3/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/3/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/29/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/28/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/22/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/11/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/19/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/4/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/22/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/29/2016	<5.0	<1.0	<5.0	<1.0	<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	ug/L	ug/L	ug/L
MW-18s (26-31') Depth to Groundwater Approx. 25 - 27'	12/8/2009	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/9/2011[4]	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/22/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/5/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/5/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/3/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/6/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/4/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/4/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/21/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/30/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-19s (25-30') Depth to Groundwater Approx. 24 - 26'	12/8/2009	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.8**	<1.0	**31**	<1.0	<1.0
	1/13/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.2**	**2.3**	<1.0	**36**	<1.0	<1.0
	3/16/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.1**	**1.7**	<1.0	**36**	<1.0	<1.0
	5/18/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.6**	<1.0	**32**	<1.0	<1.0
	9/10/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.2**	**1.8**	<1.0	**33**	<1.0	<1.0
	12/20/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.8**	<1.0	**37**	<1.0	<1.0
	2/18/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.1**	**1.8**	<1.0	**41**	<1.0	<1.0
	5/10/2011[4]	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.5**	<1.0	**28**	<1.0	<1.0
	7/25/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.0**	**1.4**	<1.0	**27**	<1.0	<1.0
	10/5/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.1**	**1.7**	<1.0	**28**	<1.0	<1.0
	1/9/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.2**	**1.9**	<1.0	**34**	<1.0	<1.0
	4/3/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.1**	**1.5**	<1.0	**32**	<1.0	<1.0
	7/10/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.6**	**2.3**	<1.0	**32**	<1.0	<1.0
	10/4/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.6**	<1.0	**31**	<1.0	<1.0
	11/7/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**	<1.0	**25**	<1.0	<1.0
	11/24/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.2**	**1.6**	<1.0	**30**	<1.0	<1.0
	11/30/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.3**	<1.0	**23**	<1.0	<1.0

Notes:
Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.
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 criterion
* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlaying clay unit. The depth to the bottom of the upper clay unit is approximately 7.0 feet below ground surface (ft bgs) at MW-09s, 8.0 ft bgs at MW-20s (based on boring log for nearby soil boring B-29), 15.0 ft bgs at MW-23, 9.0 ft bgs at MW-27s, 20.5 ft bgs at MW-29d, and 14.0 ft bgs at MW-30s and MW-30d.
1) Compound may exhibit characteristic ignitability as defined in 40 C.F.R. § 261.21.
2) 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.
3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.
4) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.
5) Quality control results for trichloroethene are outside the established control limits, the result is approximate.
6) Headspace present in the sample, results are approximate.

Table 7
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
DUP-03 (MW-19s)	9/10/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.0**	**1.7**	<1.0	**32**	<1.0	<1.0
	11/24/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.3**	**1.6**	<1.0	**31**	<1.0	<1.0
	11/30/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.4**	<1.0	**23**	<1.0	<1.0
DUP-02 (MW-19s)	2/18/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.1**	**1.8**	<1.0	**39**	<1.0	<1.0
	5/10/2011[4]	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.6**	<1.0	**29**	<1.0	<1.0
	7/25/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.1**	**1.4**	<1.0	**27**	<1.0	<1.0
	10/5/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.1**	**1.6**	<1.0	**28**	<1.0	<1.0
	1/9/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.2**	**1.8**	<1.0	**34**	<1.0	<1.0
	4/3/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.1**	**1.6**	<1.0	**32**	<1.0	<1.0
	7/10/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.6**	**2.3**	<1.0	**32**	<1.0	<1.0
	10/4/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.3**	<1.0	**27**	<1.0	<1.0
	11/7/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**	<1.0	**26**	<1.0	<1.0
MW-19d (40-45') Depth to Groundwater Approx. 24 - 26'	12/8/2009	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/18/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/10/2011[4]	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/25/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/5/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/5/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/3/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/10/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/4/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/7/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/25/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/30/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:

Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.

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 criterion

* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlaying clay unit. The depth to the bottom of the upper clay unit is approximately 7.0 feet below ground surface (ft bgs) at MW-09s, 8.0 ft bgs at MW-20s (based on boring log for nearby soil boring B-29), 15.0 ft bgs at MW-23, 9.0 ft bgs at MW-27s, 20.5 ft bgs at MW-29d, and 14.0 ft bgs at MW-30s and MW-30d.

1) Compound may exhibit characteristic ignitability as defined in 40 C.F.R. § 261.21.
2) 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.
3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.
4) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.
5) Quality control results for trichloroethene are outside the established control limits, the result is approximate.
6) Headspace present in the sample, results are approximate.

Table 7
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-20s (8-13') Depth to Groundwater* Approx. 4 - 6'	12/30/2009	<5.0	<1.0	<5.0	**48**	**4.0**	**9.6**	<1.0	<1.0	**150**	<1.0	**71**	**2.9**	<1.0
	1/13/2010	<5.0	<1.0	<5.0	**50**	**3.5**	**9.0**	<1.0	<1.0	**170**	<1.0	**70**	**2.8**	<1.0
	3/17/2010	<5.0	<1.0	<5.0	**51**	**3.8**	**9.4**	<1.0	<1.0	**160**	<1.0	**64**	**3.2**	<1.0
	5/18/2010	<10	<2.0	<10	**58**	**5.1**	**12**	<2.0	<2.0	**210**	<2.0	**94**	**3.4**	<2.0
	9/10/2010	<10	<2.0	<10	**34**	**4.2**	**9.7**	<2.0	<2.0	**230**	<2.0	**110**	**3.8**	<2.0
	12/21/2010	<10	<2.0	<10	**24**	**3.6**	**6.1**	<2.0	<2.0	**200**	<2.0	**89**	**3.6**	<2.0
	2/18/2011	<10	<2.0	<10	**19**	**3.3**	**5.5**	<2.0	<2.0	**190**	<2.0	**93**	**3.5**	<2.0
	5/13/2011	<10	<2.0	<10	**14**	**2.8**	**4.1**	<2.0	<2.0	**190**	<2.0	**91**	**2.9**	<2.0
	7/25/2011	<10	<2.0	<10	**6.5**	<2.0	**2.4**	<2.0	<2.0	**190**	<2.0	**100**	**2.3**	<2.0
	10/10/2011	<10	<2.0	<10	**5.8**	<2.0	<2.0	<2.0	<2.0	**190**	<2.0	**110**	**3.1**	<2.0
	1/9/2012	<5.0	<1.0	<5.0	**6.0**	**1.4**	**1.9**	<1.0	<1.0	**190**	<1.0	**100**	**3.2**	<1.0
	4/9/2012	<5.0	<1.0	<5.0	**11**	**1.1**	**2.0**	<1.0	<1.0	**180**	<1.0	**100**	**2.6**	<1.0
	7/10/2012	<10	<2.0	<10	**17**	<2.0	**2.5**	<2.0	<2.0	**190**	<2.0	**100**	**2.3**	<2.0
	10/19/2012	<10	<2.0	<10	**24**	<2.0	**3.8**	<2.0	<2.0	**190**	<2.0	**98**	**2.0**	<2.0
	5/31/2013	<10	<2.0	<10	**18**	**2.6**	**6.7**	<2.0	<2.0	**240**	<2.0	**120**	<2.0	<2.0
	11/8/2013	<10	<2.0	<10	**6.1**	<2.0	<2.0	<2.0	<2.0	**250**	<2.0	**140**	<2.0	<2.0
	5/15/2014	<10	<2.0	<10	**4.0**	<2.0	<2.0	<2.0	<2.0	**150**	<2.0	**110**	<2.0	<2.0
	7/16/2014	<5.0	<1.0	<5.0	**3.9**	<1.0	<1.0	<1.0	<1.0	**140**	<1.0	**130**	<1.0	<1.0
	11/26/2014	<5.0	<1.0	<5.0	**7.7**	<1.0	**1.2**	<1.0	<1.0	**120**	<1.0	**120**	<1.0	<1.0
	3/25/2015	<5.0	<1.0	<5.0	**6.6**	<1.0	**1.1**	<1.0	<1.0	**82**	<1.0	**83**	<1.0	<1.0
	5/20/2015	<5.0	<1.0	<5.0	**7.8**	<1.0	**1.5**	<1.0	<1.0	**96**	<1.0	**110**	<1.0	<1.0
	12/3/2015	<5.0	<1.0	<5.0	**11**	<1.0	**1.5**	<1.0	<1.0	**89**	<1.0	**86**	<1.0	<1.0
	4/28/2016	<5.0	<1.0	<5.0	**11**	**2.8**	**1.8**	<1.0	<1.0	**67**	<1.0	**60**	<1.0	<1.0
	7/28/2016	<5.0	<1.0	<5.0	**10**	<1.0	**2.4**	<1.0	<1.0	**87**	<1.0	**82**	<1.0	<1.0
	12/1/2016	<5.0	<1.0	<5.0	**7.3**	<1.0	**1.4**	<1.0	<1.0	**71**	<1.0	**57**	<1.0	<1.0
	1/26/2017	<5.0	<1.0	<5.0	**5.3**	<1.0	**1.2**	<1.0	<1.0	**63**	<1.0	**51**	<1.0	<1.0
	5/17/2017	<5.0	<1.0	<5.0	**3.6**	<1.0	<1.0	<1.0	<1.0	**63**	<1.0	**48**	<1.0	<1.0

Notes:

Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.

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Denotes concentrations above one or more criterion

* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlaying clay unit. The depth to the bottom of the upper clay unit is approximately 7.0 feet below ground surface (ft bgs) at MW-09s, 8.0 ft bgs at MW-20s (based on boring log for nearby soil boring B-29), 15.0 ft bgs at MW-23, 9.0 ft bgs at MW-27s, 20.5 ft bgs at MW-29d, and 14.0 ft bgs at MW-30s and MW-30d.

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

2) 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.

3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.

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

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6) Headspace present in the sample, results are approximate.

Table 7
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-20d (38.5-43.5') Depth to Groundwater Approx. 12 - 16'	12/30/2009	<5.0	<1.0	<5.0	**1.2**	<1.0	**86**	<1.0	<1.0	**1.9**	<1.0	<1.0	<1.0	**3.5**
	1/13/2010	<5.0	<1.0	<5.0	<1.0	<1.0	**94**	**2.0**	<1.0	<1.0	<1.0	<1.0	<1.0	**3.7**
	3/17/2010	<5.0	<1.0	<5.0	<1.0	<1.0	**85**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**4.4**
	5/18/2010	<5.0	<1.0	<5.0	<1.0	<1.0	**120**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**3.7**
	9/10/2010	<5.0	<1.0	<5.0	<1.0	<1.0	**95**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/21/2010	<5.0	<1.0	<5.0	<1.0	<1.0	**200**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**3.5**
	2/18/2011	<10	<2.0	<10	<2.0	<2.0	**190**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**3.2**
	5/13/2011	<10	<2.0	<10	<2.0	<2.0	**170**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**2.6**
	7/25/2011	<5.0	<1.0	<5.0	<1.0	<1.0	**170**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.6**
	10/10/2011	<10	<2.0	<10	<2.0	<2.0	**200**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**2.5**
	1/9/2012	<5.0	<1.0	<5.0	<1.0	<1.0	**140**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**6.0**
	4/9/2012	<5.0	<1.0	<5.0	<1.0	<1.0	**190**	<1.0	<1.0	<1.0	<1.0	**1.0**	<1.0	**10**
	7/10/2012	<10	<2.0	<10	<2.0	<2.0	**230**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**14**
	10/19/2012	<10	<2.0	<10	<2.0	<2.0	**180**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**43**
	6/3/2013	<10	<2.0	<10	<2.0	<2.0	**250**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**67**
	11/8/2013	<10	<2.0	<10	<2.0	<2.0	**310**	<2.0	<2.0	<2.0	<2.0	**5.5**	<2.0	**110**
	5/15/2014	<10	<2.0	<10	<2.0	<2.0	**380**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**110**
	7/16/2014	<10	<2.0	<10	<2.0	<2.0	**330**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**100**
	11/26/2014	<10	<2.0	<10	<2.0	<2.0	**310**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**73**
	3/25/2015	**18**	<2.0	<10	<2.0	<2.0	**310**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**77**
	5/20/2015	<10	<2.0	<10	<2.0	<2.0	**360**	**2.1**	<2.0	<2.0	<2.0	**3.5**	<2.0	**65**
	12/3/2015	<25	<5.0	<25	<5.0	<5.0	**610**	<5.0	<5.0	<5.0	<5.0	**5.9**	<5.0	**34**
	4/28/2016	<25	<5.0	<25	<5.0	<5.0	**490**	<5.0	<5.0	<5.0	<5.0	**6.4**	<5.0	**51**
	7/28/2016	<25	<5.0	<25	<5.0	<5.0	**420**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**57**
	12/1/2016	<12	<2.5	<12	<2.5	<2.5	**370**	<2.5	<2.5	<2.5	<2.5	**4.8**	<2.5	**53**
	1/26/2017	<12	<2.5	<12	<2.5	<2.5	**400**	<2.5	<2.5	<2.5	<2.5	**3.7**	<2.5	**56**
	5/17/2017	<12	<2.5	<12	<2.5	<2.5	**340**	<2.5	<2.5	<2.5	<2.5	**3.2**	<2.5	**50**
DUP-03 (MW-20d)	5/18/2010	<5.0	<1.0	<5.0	<1.0	<1.0	**120**	**1.0**	<1.0	<1.0	<1.0	<1.0	<1.0	**3.7**

Notes:
Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.
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1) Compound may exhibit characteristic ignitability as defined in 40 C.F.R. § 261.21.
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Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-21 (28.5-33.5') Depth to Groundwater Approx. 29 - 30'	12/8/2009	<50	<10	<50	**31**	<10	**59**	<10	<10	**54**	<10	**840**	<10	<10
	1/13/2010	<50	<10	<50	**28**	<10	**62**	<10	<10	**56**	<10	**730**	<10	<10
	3/23/2010	<5.0	<1.0	<5.0	**33**	**2.2**	**81**	**7.5**	<1.0	**62**	<1.0	**850**	<1.0	<1.0
	5/18/2010	<50	<10	<50	**35**	<10	**89**	<10	<10	**63**	<10	**830**	<10	<10
	10/15/2010	<50	<10	<50	**26**	<10	**80**	<10	<10	**59**	<10	**810**	<10	<10
	12/22/2010	<50	<10	<50	**25**	<10	**69**	<10	<10	**55**	<10	**730**	<10	<10
	2/24/2011	<50	<10	<50	**25**	<10	**66**	<10	<10	**52**	<10	**730**	<10	<10
	5/11/2011[4]	<50	<10	<50	**24**	<10	**65**	<10	<10	**49**	<10	**740**	<10	<10
	7/28/2011	<50	<10	<50	**22**	<10	**77**	<10	<10	**54**	<10	**1,000**	<10	<10
	10/6/2011	<50	<10	<50	**22**	<10	**74**	<10	<10	**55**	<10	**960**	<10	<10
	1/10/2012	<50	<10	<50	**27**	<10	**79**	<10	<10	**64**	<10	**990**	<10	<10
	4/4/2012	<50	<10	<50	**25**	<10	**81**	<10	<10	**55**	<10	**980**	<10	<10
	7/11/2012	**58**	<10	<50	**25**	<10	**85**	<10	<10	**63**	<10	**1,000**	<10	<10
	10/8/2012	<50	<10	<50	**22**	<10	**65**	<10	<10	**47**	<10	**850**	<10	<10
	3/6/2013	<50	<10	<50	**26**	<10	**90**	<10	<10	**50**	<10	**760**	<10	<10
	6/11/2013	<50	<10	<50	**26**	<10	**100**	<10	<10	**60**	<10	**1,100**	<10	<10
	8/29/2013	<50	<10	<50	**28**	<10	**130**	<10	<10	**68**	<10	**1,500**	<10	<10
	11/12/2013	<50	<10	<50	**31**	<10	**130**	<10	<10	**76**	<10	**1,300**	<10	<10
	3/27/2014	<50	<10	<50	**25**	<10	**150**	<10	<10	**64**	<10	**1,000**	<10	<10
	5/19/2014	<50	<10	<50	**20**	<10	**170**	<10	<10	**62**	<10	**1,100**	<10	<10
	7/18/2014	<50	<10	<50	**17**	<10	**170**	<10	<10	**63**	<10	**1,300**	<10	<10
	11/26/2014	<50	<10	<50	**16**	<10	**180**	<10	<10	**71**	<10	**1,600**	<10	<10
	3/25/2015	<50	<10	<50	**14**	<10	**170**	<10	<10	**55**	<10	**1,100**	<10	<10
	5/21/2015	<50	<10	<50	**15**	<10	**180**	<10	<10	**53**	<10	**1,200**	<10	<10
	12/4/2015	<50	<10	<50	**11**	<10	**160**	<10	<10	**48**	<10	**1,100**	<10	<10
	4/22/2016	<50	<10	<50	**13**	<10	**170**	<10	<10	**44**	<10	**1,000**	<10	<10
	7/29/2016	<50	<10	<50	**13**	<10	**190**	<10	<10	**38**	<10	**1,100**	<10	<10
	12/2/2016	<50	<10	<50	**12**	<10	**160**	<10	<10	**41**	<10	**950[5]**	<10	<10
	1/26/2017	<50	<10	<50	**12**	<10	**160**	<10	<10	**36**	<10	**920**	<10	<10
DUP-01 (MW-21)	8/29/2013	<50	<10	<50	**28**	<10	**130**	<10	<10	**67**	<10	**1,500**	<10	<10
	3/27/2014	<50	<10	<50	**26**	<10	**150**	<10	<10	**68**	<10	**1,100**	<10	<10
	7/18/2014	<50	<10	<50	**15**	<10	**150**	<10	<10	**54**	<10	**1,100**	<10	<10
DUP-02 (MW-21)	3/23/2010	<5.0	<1.0	<5.0	**33**	**2.2**	**79**	**7.8**	<1.0	**61**	<1.0	**810**	<1.0	<1.0
	7/29/2016	<50	<10	<50	**14**	<10	**190**	<10	<10	**44**	<10	**1,100**	<10	<10
	12/2/2016	<50	<10	<50	**11**	<10	**150**	<10	<10	**47**	<10	**980**	<10	<10

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Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
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Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
DUP-03 (MW-21)	2/24/2011	<50	<10	<50	**24**	<10	**66**	<10	<10	**50**	<10	**740**	<10	<10
	5/11/2011[4]	<50	<10	<50	**24**	<10	**66**	<10	<10	**49**	<10	**750**	<10	<10
	7/28/2011	<50	<10	<50	**23**	<10	**78**	<10	<10	**57**	<10	**1,000**	<10	<10
	10/6/2011	<50	<10	<50	**21**	<10	**73**	<10	<10	**52**	<10	**910**	<10	<10
	1/10/2012	<50	<10	<50	**27**	<10	**85**	<10	<10	**66**	<10	**1,000**	<10	<10
	4/4/2012	<50	<10	<50	**24**	<10	**81**	<10	<10	**61**	<10	**970**	<10	<10
	7/11/2012	<50	<10	<50	**25**	<10	**80**	<10	<10	**59**	<10	**1,000**	<10	<10
	6/11/2013	<50	<10	<50	**26**	<10	**110**	<10	<10	**76**	<10	**1,100**	<10	<10
	11/12/2013	<50	<10	<50	**32**	<10	**120**	<10	<10	**75**	<10	**1,300**	<10	<10
	5/19/2014	<50	<10	<50	**19**	<10	**170**	<10	<10	**64**	<10	**1,100**	<10	<10
DUP-04 (MW-21)	11/26/2014	<50	<10	<50	**17**	<10	**170**	<10	<10	**70**	<10	**1,400**	<10	<10
MW-22 (25-30') Depth to Groundwater Approx. 25 - 26'	12/7/2009	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**10**
	3/18/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**8.5**
	5/18/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.0**
	9/10/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**4.3**
	12/22/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**3.0**
	2/24/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.3**
	5/11/2011[4]	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.4**
	7/21/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.8**
	10/4/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**6.2**
	1/9/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**8.4**
	4/5/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**12**
	7/3/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**13**
	10/3/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**18**
	5/29/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**21**
	3/28/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**29**
	5/22/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**23**
	7/17/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**20**
	11/11/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**24**
	3/23/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**25**
	5/19/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**23**
	4/22/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**26**
	7/28/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**26**
	11/29/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**27**
	1/24/2017	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**26**

Notes:

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ug/L = micrograms per liter; NC = No criteria; NA = Not analyzed

Bold font denotes concentrations detected above laboratory reporting limits

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

2) 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.

3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.

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

6) Headspace present in the sample, results are approximate.

Table 7
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-23 (17-22') Depth to Groundwater* Approx. 8 - 10'	12/8/2009	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**3.2**
	1/13/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**7.6**
	3/16/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**4.0**
	5/18/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**6.1**
	9/10/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**9.0**
	12/21/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**17**
	2/18/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**18**
	5/10/2011[4]	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**25**
	7/25/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**23**
	10/5/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**56**
	11/4/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**11**
	1/9/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**48**
	4/3/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**85**
	7/10/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**63**
	10/8/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**47**
	5/31/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**88**
	11/8/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**120**
	5/15/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**90**
	7/17/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**90**
	11/25/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**100**
	3/25/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**110**
	5/20/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**130**
	12/3/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**120**
	4/27/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**130**
	7/28/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**110**
	12/1/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**120**
	1/26/2017	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**120**
	5/16/2017	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**130**

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Former Tecumseh Products Company Site
Tecumseh, Michigan

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Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-24s (18.5'-23.5') Depth to Groundwater Approx. 19 - 21'	12/8/2009	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/9/2011[4]	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/19/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/4/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/5/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/2/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/5/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/3/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/29/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/4/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/14/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/17/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/27/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/2/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/25/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/22/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<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	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-24d (39-44') Depth to Groundwater Approx. 19 - 21'	12/8/2009	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/9/2011[4]	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/19/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/4/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/5/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/2/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/5/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/3/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/30/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/4/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/14/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/17/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/27/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/2/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/25/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/22/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:

Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.

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 criterion

* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlaying clay unit. The depth to the bottom of the upper clay unit is approximately 7.0 feet below ground surface (ft bgs) at MW-09s, 8.0 ft bgs at MW-20s (based on boring log for nearby soil boring B-29), 15.0 ft bgs at MW-23, 9.0 ft bgs at MW-27s, 20.5 ft bgs at MW-29d, and 14.0 ft bgs at MW-30s and MW-30d.

1) Compound may exhibit characteristic ignitability as defined in 40 C.F.R. § 261.21.
2) 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.
3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.
4) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.
5) Quality control results for trichloroethene are outside the established control limits, the result is approximate.
6) Headspace present in the sample, results are approximate.

Table 7
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-25s (20-25') Depth to Groundwater Approx. 18 - 20'	12/10/2009	<5.0	<1.0	<5.0	**1.7**	<1.0	**8.8**	<1.0	<1.0	**4.8**	<1.0	<1.0	<1.0	<1.0
	3/16/2010	<5.0	<1.0	<5.0	**1.2**	<1.0	<1.0	<1.0	<1.0	**17**	<1.0	**1.1**	<1.0	<1.0
	5/14/2010	<5.0	<1.0	<5.0	**1.2**	<1.0	<1.0	<1.0	<1.0	**18**	<1.0	**1.0**	<1.0	<1.0
	9/8/2010	<5.0	<1.0	<5.0	**1.0**	<1.0	<1.0	<1.0	<1.0	**19**	<1.0	**1.4**	<1.0	<1.0
	12/22/2010	<5.0	<1.0	<5.0	**1.2**	<1.0	<1.0	<1.0	<1.0	**26**	<1.0	**2.4**	<1.0	<1.0
	2/24/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**19**	<1.0	**2.2**	<1.0	<1.0
	5/13/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**21**	<1.0	**2.2**	<1.0	<1.0
	7/28/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**19**	<1.0	**2.5**	<1.0	<1.0
	10/10/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**20**	<1.0	**2.8**	<1.0	<1.0
	1/5/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**20**	<1.0	**3.0**	<1.0	<1.0
	4/9/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**20**	<1.0	**3.6**	<1.0	<1.0
	7/11/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**21**	<1.0	**4.2**	<1.0	<1.0
	10/25/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**19**	<1.0	**4.6**	<1.0	<1.0
	6/3/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**19**	<1.0	**6.1**	<1.0	<1.0
	11/8/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**22**	<1.0	**7.0**	<1.0	<1.0
	5/16/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**20**	<1.0	**7.6**	<1.0	<1.0
	7/16/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**15**	<1.0	**7.1**	<1.0	<1.0
	11/25/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**17**	<1.0	**8.9**	<1.0	<1.0
	3/24/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**17**	<1.0	**8.6**	<1.0	<1.0
	5/28/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**15**	<1.0	**8.9**	<1.0	<1.0
	4/27/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**15**	<1.0	**8.9**	<1.0	<1.0
	7/26/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**14**	<1.0	**7.8**	<1.0	<1.0
	11/30/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**16**	<1.0	**9.5**	<1.0	<1.0
	1/24/2017	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**17**	<1.0	**9.9**	<1.0	<1.0
DUP-01 (MW-25s)	3/16/2010	<5.0	<1.0	<5.0	**1.3**	<1.0	<1.0	<1.0	<1.0	**18**	<1.0	**1.0**	<1.0	<1.0

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Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
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Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-26s (28-33') Depth to Groundwater Approx. 26 - 28'	4/6/2010	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/25/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/7/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/5/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/5/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/9/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/2/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/5/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/25/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/30/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-27s (7-12') Depth to Groundwater* Approx. 3 - 4'	3/23/2010	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**3.0**	<1.0	<1.0
	9/9/2010	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.4**	<1.0	<1.0
	5/9/2011[4]	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.1**	<1.0	<1.0
	7/21/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/5/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/6/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/3/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/5/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/4/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/12/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/14/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.5**	<1.0	<1.0
	5/22/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.6**	<1.0	<1.0
	11/17/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.1**[5]	<1.0	<1.0
	5/27/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/1/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.9**	<1.0	<1.0
	4/26/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**	<1.0	<1.0
	11/22/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.7**	<1.0	<1.0
DUP-02 (MW-27s)	9/9/2010	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:
Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.
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 criterion
* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlaying clay unit. The depth to the bottom of the upper clay unit is approximately 7.0 feet below ground surface (ft bgs) at MW-09s, 8.0 ft bgs at MW-20s (based on boring log for nearby soil boring B-29), 15.0 ft bgs at MW-23, 9.0 ft bgs at MW-27s, 20.5 ft bgs at MW-29d, and 14.0 ft bgs at MW-30s and MW-30d.
1) Compound may exhibit characteristic ignitability as defined in 40 C.F.R. § 261.21.
2) 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.
3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.
4) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.
5) Quality control results for trichloroethene are outside the established control limits, the result is approximate.
6) Headspace present in the sample, results are approximate.

Table 7
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-27d (37.5-42.5') Depth to Groundwater Approx. 24 - 25'	3/23/2010	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/9/2011[4]	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/22/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/5/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/6/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/3/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/5/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/4/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/12/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/14/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/22/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/17/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/27/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/1/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/26/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/22/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-28s (25-30') Depth to Groundwater Approx. 25 - 27'	3/23/2010	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/22/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/7/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/6/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.1**	<1.0	<1.0
	4/5/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/6/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/12/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/4/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/19/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/22/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:
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Table 7
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Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-28d (49-54') Depth to Groundwater Approx. 25 - 27'	3/23/2010	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/22/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/7/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/6/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/5/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/6/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/19/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/4/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/19/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/22/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DUP-03 (MW-28d)	10/19/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-29s (13-18') Depth to Groundwater Approx. 15 - 16'	3/18/2010	<5.0	<1.0	<5.0	<1.0	<1.0	**1.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/17/2010	<5.0	<1.0	<5.0	<1.0	<1.0	**1.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/9/2010	<5.0	<1.0	<5.0	<1.0	<1.0	**1.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/15/2010	<5.0	<1.0	<5.0	<1.0	<1.0	**1.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/15/2011	<5.0	<1.0	<5.0	<1.0	<1.0	**1.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/12/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/20/2011	<5.0	<1.0	<5.0	<1.0	<1.0	**1.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/10/2011	<5.0	<1.0	<5.0	<1.0	<1.0	**1.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/6/2012	<5.0	<1.0	<5.0	<1.0	<1.0	**1.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/5/2012	<5.0	<1.0	<5.0	<1.0	<1.0	**1.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/9/2012	<5.0	<1.0	<5.0	<1.0	<1.0	**1.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/12/2012	<5.0	<1.0	<5.0	<1.0	<1.0	**1.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/30/2013	<5.0	<1.0	<5.0	<1.0	<1.0	**1.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/6/2013	<5.0	<1.0	<5.0	<1.0	<1.0	**1.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/15/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/20/2014	<5.0	<1.0	<5.0	<1.0	<1.0	**1.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/27/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/2/2015	<5.0	<1.0	<5.0	<1.0	<1.0	**1.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/26/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/29/2016	<5.0	<1.0	<5.0	<1.0	<1.0	**1.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

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1) Compound may exhibit characteristic ignitability as defined in 40 C.F.R. § 261.21.
2) 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.
3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.
4) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.
5) Quality control results for trichloroethene are outside the established control limits, the result is approximate.
6) Headspace present in the sample, results are approximate.

Table 7
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-29d (58.5-63.5') Depth to Groundwater* Approx. 18 - 19'	3/18/2010	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/20/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/10/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/6/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/5/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/9/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/19/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/30/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/7/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/15/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/20/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/27/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/26/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/29/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:
Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.
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Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-30s (11-16') Depth to Groundwater* Approx. 9 - 11'	3/23/2010	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/20/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/10/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/6/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/9/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/9/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/19/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/30/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/5/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/14/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/19/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/27/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/2/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/26/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/28/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:

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Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
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Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-30d (25.5-30.5') Depth to Groundwater* Approx. 9 - 11'	3/23/2010	<5.0	<1.0	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/20/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/10/2011	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/6/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/9/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/9/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/19/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/30/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/5/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/14/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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	5/27/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/2/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/26/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/28/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

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Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-31 (33.3-38.3') Depth to Groundwater Approx. 32 - 33'	6/18/2010	<5.0	<1.0	<5.0	**14**	<1.0	**19**	**2.2**	<1.0	**20**	<1.0	**180**	<1.0	<1.0
	9/17/2010	<10	<2.0	<10	<2.0	<2.0	**15**	<2.0	<2.0	**48**	<2.0	**220**	<2.0	**2.5**
	12/22/2010[5]	<10	<2.0	<10	**16**	<2.0	**29**	**2.9**	<2.0	**27**	<2.0	**260**	<2.0	<2.0
	2/24/2011	<10	<2.0	<10	**16**	<2.0	**31**	**3.1**	<2.0	**26**	<2.0	**300**	<2.0	<2.0
	5/11/2011[4]	<10	<2.0	<10	**15**	<2.0	**24**	**3.0**	<2.0	**22**	<2.0	**250**	<2.0	<2.0
	7/21/2011	<5.0	<1.0	<5.0	**7.4**	<1.0	**14**	**1.2**	<1.0	**11**	<1.0	**130**	<1.0	<1.0
	10/4/2011	<5.0	<1.0	<5.0	**18**	<1.0	**40**	**3.4**	<1.0	**28**	<1.0	**340**	<1.0	<1.0
	1/10/2012	<10	<2.0	<10	**17**	<2.0	**35**	**3.1**	<2.0	**24**	<2.0	**290**	<2.0	<2.0
	4/5/2012	<10	<2.0	<10	**16**	<2.0	**36**	**3.1**	<2.0	**24**	<2.0	**290**	<2.0	<2.0
	7/17/2012	<20	<4.0	<20	**16**	<4.0	**34**	<4.0	<4.0	**23**	<4.0	**310**	<4.0	<4.0
	10/3/2012	**16**	<2.5	<12	**15**	<2.5	**40**	**3.4**	<2.5	**26**	<2.5	**340**	<2.5	<2.5
	3/6/2013	<12	<2.5	<12	**13**	<2.5	**32**	**2.9**	<2.5	**23**	<2.5	**270**	<2.5	<2.5
	5/29/2013	<12	<2.5	<12	**15**	<2.5	**39**	**2.9**	<2.5	**23**	<2.5	**300**	<2.5	<2.5
	8/29/2013	<12	<2.5	<12	**16**	<2.5	**47**	**2.6**	<2.5	**24**	<2.5	**320**	<2.5	<2.5
	3/28/2014	<12	<2.5	<12	**16**	<2.5	**34**	<2.5	<2.5	**27**	<2.5	**300**	<2.5	<2.5
	5/22/2014	<12	<2.5	<12	**16**	<2.5	**34**	<2.5	<2.5	**24**	<2.5	**280**	<2.5	<2.5
	7/17/2014	<12	<2.5	<12	**13**	<2.5	**33**	<2.5	<2.5	**20**	<2.5	**260**	<2.5	<2.5
	11/11/2014	<12	<2.5	<12	**14**	<2.5	**40**	<2.5	<2.5	**22**	<2.5	**310**	<2.5	<2.5
	3/23/2015	**13**	<2.5	<12	**16**	<2.5	**46**	<2.5	<2.5	**25**	<2.5	**340**	<2.5	<2.5
	5/19/2015	<12	<2.5	<12	**15**	<2.5	**41**	<2.5	<2.5	**22**	<2.5	**320**	<2.5	<2.5
	4/22/2016	<12	<2.5	<12	**13**	<2.5	**51**	**2.5**	<2.5	**22**	<2.5	**290**	<2.5	<2.5
	7/28/2016	<12	<2.5	<12	**11**	<2.5	**65**	**2.6**	<2.5	**20**	<2.5	**290**	<2.5	<2.5
	11/29/2016	<12	<2.5	<12	**10**	<2.5	**66**	<2.5	<2.5	**21**	<2.5	**270**	<2.5	<2.5
	1/24/2017	<12	<2.5	<12	**9.4**	<2.5	**65**	**2.6**	<2.5	**21**	<2.5	**300**	<2.5	<2.5
DUP-01 (MW-31)	6/18/2010	<5.0	<1.0	<5.0	**12**	<1.0	**19**	**2.3**	<1.0	**21**	<1.0	**170**	<1.0	<1.0
	7/28/2016	<12	<2.5	<12	**11**	<2.5	**58**	**2.5**	<2.5	**20**	<2.5	**260**	<2.5	<2.5
	11/29/2016	<12	<2.5	<12	**9.7**	<2.5	**62**	<2.5	<2.5	**22**	<2.5	**280**	<2.5	<2.5
	1/24/2017	<12	<2.5	<12	**9.4**	<2.5	**65**	**2.5**	<2.5	**23**	<2.5	**290**	<2.5	<2.5

Notes:

Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.

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 criterion

* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlaying clay unit. The depth to the bottom of the upper clay unit is approximately 7.0 feet below ground surface (ft bgs) at MW-09s, 8.0 ft bgs at MW-20s (based on boring log for nearby soil boring B-29), 15.0 ft bgs at MW-23, 9.0 ft bgs at MW-27s, 20.5 ft bgs at MW-29d, and 14.0 ft bgs at MW-30s and MW-30d.

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

2) 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.

3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.

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

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

6) Headspace present in the sample, results are approximate.

Table 7
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-32s (23-28') Depth to Groundwater Approx. 23 - 25'	9/17/2010	<100	<20	<100	**150**	<20	**270**	**26**	<20	**220**	<20	**2,400**	<20	<20
	11/18/2010	<100	<20	<100	<20	<20	**190**	<20	<20	**560**	<20	**2,800**	<20	<20
	12/28/2010	<100	<20	<100	<20	<20	**200**	<20	<20	**510**	<20	**2,300**	<20	<20
	2/25/2011	<100	<20	<100	<20	<20	**190**	<20	<20	**420**	<20	**2,300**	<20	<20
	5/10/2011[4]	<100	<20	<100	<20	<20	**170**	<20	<20	**380**	<20	**2,300**	<20	**31**
	7/28/2011	<100	<20	<100	<20	<20	**140**	<20	<20	**380**	<20	**2,400**	<20	<20
	10/6/2011	<100	<20	<100	<20	<20	**160**	<20	<20	**350**	<20	**2,200**	<20	<20
	1/10/2012	<100	<20	<100	<20	<20	**170**	<20	<20	**400**	<20	**2,300**	<20	<20
	4/4/2012	<100	<20	<100	<20	<20	**130**	<20	<20	**340**	<20	**2,200**	<20	<20
	7/11/2012	<100	<20	<100	<20	<20	**85**	<20	<20	**370**	<20	**2,200**	<20	<20
	10/10/2012	<100	<20	<100	<20	<20	**89**	<20	<20	**280**	<20	**1,600**	<20	<20
	5/20/2013	<100	<20	<100	<20	<20	**89**	<20	<20	**220**	<20	**1,400**	<20	<20
	11/5/2013	<50	<10	<50	<10	<10	**71**	<10	<10	**190**	<10	**1,200**	<10	<10
	7/15/2014	<50	<10	<50	<10	<10	**48**	<10	<10	**160**	<10	**1,200**	<10	<10
	11/12/2014	<50	<10	<50	<10	<10	**54**	<10	<10	**190**	<10	**1,500**	<10	<10
	5/19/2015	<50	<10	<50	<10	<10	**55**	<10	<10	**150**	<10	**1,200**	<10	<10
	12/3/2015	<50	<10	<50	<10	<10	**65**	<10	<10	**130**	<10	**1,200**	<10	<10
	4/27/2016	<50	<10	<50	<10	<10	**68**	<10	<10	**120**	<10	**1,100**	<10	<10
	11/28/2016	<50	<10	<50	<10	<10	**50**	<10	<10	**100**	<10	**900**	<10	<10
DUP-01 (MW-32s)	5/19/2015	<50	<10	<50	<10	<10	**55**	<10	<10	**150**	<10	**1,300**	<10	<10
	12/3/2015	<50	<10	<50	<10	<10	**60**	<10	<10	**120**	<10	**1,100**	<10	<10
MW-32d (35-40') Depth to Groundwater Approx. 23 - 24'	5/20/2013	<5.0	<1.0	<5.0	<1.0	<1.0	**2.0**	**3.2**	<1.0	<1.0	<1.0	**53**	<1.0	<1.0
	8/28/2013	<5.0	<1.0	<5.0	<1.0	<1.0	**2.4**	**3.3**	<1.0	<1.0	<1.0	**53**	<1.0	<1.0
	11/5/2013	<5.0	<1.0	<5.0	<1.0	<1.0	**1.9**	**3.2**	<1.0	<1.0	<1.0	**51**	<1.0	<1.0
	3/27/2014	<5.0	<1.0	<5.0	<1.0	<1.0	**2.0**	**3.0**	<1.0	<1.0	<1.0	**56**	<1.0	<1.0
	5/19/2014	<5.0	<1.0	<5.0	<1.0	<1.0	**1.8**	**3.0**	<1.0	<1.0	<1.0	**49**	<1.0	<1.0
	7/15/2014	<5.0	<1.0	<5.0	<1.0	<1.0	**2.3**	**2.4**	<1.0	<1.0	<1.0	**51**	<1.0	<1.0
	11/11/2014	<5.0	<1.0	<5.0	<1.0	<1.0	**2.1**	**3.2**	<1.0	<1.0	<1.0	**60**	<1.0	<1.0
	2/25/2015	<5.0	<1.0	<5.0	<1.0	<1.0	**2.1**	**3.4**	<1.0	<1.0	<1.0	**48**	<1.0	<1.0
	5/19/2015	<5.0	<1.0	<5.0	<1.0	<1.0	**2.0**	**3.0**	<1.0	<1.0	<1.0	**55**	<1.0	<1.0
	12/3/2015	<5.0	<1.0	<5.0	<1.0	<1.0	**2.7**	**3.0**	<1.0	<1.0	<1.0	**48**	<1.0	<1.0
	4/27/2016	<5.0	<1.0	<5.0	<1.0	<1.0	**2.3**	**3.3**	<1.0	<1.0	<1.0	**45**	<1.0	<1.0
	7/25/2016	<5.0	<1.0	<5.0	<1.0	<1.0	**2.7**	**3.0**	<1.0	<1.0	<1.0	**39**	<1.0	<1.0
	11/28/2016	<5.0	<1.0	<5.0	<1.0	<1.0	**2.2**	**3.1**	<1.0	<1.0	<1.0	**36**	<1.0	<1.0
	1/25/2017	<5.0	<1.0	<5.0	<1.0	<1.0	**2.2**	**2.9**	<1.0	<1.0	<1.0	**41**	<1.0	<1.0

Notes:

Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.

ug/L = micrograms per liter; NC = No criteria; NA = Not analyzed

Bold font denotes concentrations detected above laboratory reporting limits

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

2) 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.

3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.

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

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

6) Headspace present in the sample, results are approximate.

Table 7
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Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
DUP-01 (MW-32d)	11/5/2013	<5.0	<1.0	<5.0	<1.0	<1.0	**1.7**	**3.1**	<1.0	<1.0	<1.0	**51**	<1.0	<1.0
	5/19/2014	<5.0	<1.0	<5.0	<1.0	<1.0	**2.1**	**3.0**	<1.0	<1.0	<1.0	**51**	<1.0	<1.0
	11/11/2014	<5.0	<1.0	<5.0	<1.0	<1.0	**2.3**	**3.4**	<1.0	<1.0	<1.0	**59**	<1.0	<1.0
	2/25/2015	<5.0	<1.0	<5.0	<1.0	<1.0	**2.2**	**3.5**	<1.0	<1.0	<1.0	**49**	<1.0	<1.0
MW-33s (21-26') Depth to Groundwater Approx. 20 - 22'	9/17/2010	<5.0	<1.0	<5.0	**12**	<1.0	**13**	<1.0	<1.0	<1.0	<1.0	**76**	<1.0	**64**
	11/18/2010	<5.0	<1.0	<5.0	**14**	<1.0	**22**	<1.0	<1.0	**1.1**	<1.0	**150**	<1.0	**56**
	12/22/2010	<5.0	<1.0	<5.0	**14**	<1.0	**22**	**1.2**	<1.0	**1.0**	<1.0	**130**	<1.0	**57**
	2/24/2011	<5.0	<1.0	<5.0	**12**	<1.0	**20**	**1.0**	<1.0	<1.0	<1.0	**110**	<1.0	**60**
	5/10/2011[4]	<10	<2.0	<10	**11**	<2.0	**21**	<2.0	<2.0	<2.0	<2.0	**220**	<2.0	**55**
	7/28/2011	<10	<2.0	<10	**8.9**	<2.0	**18**	<2.0	<2.0	<2.0	<2.0	**260**	<2.0	**22**
	10/6/2011	<10	<2.0	<10	**11**	<2.0	**19**	<2.0	<2.0	<2.0	<2.0	**220**	<2.0	**48**
	1/9/2012[6]	<5.0	<1.0	**8.9**	**15**	<1.0	**20**	**1.0**	<1.0	**1.3**	<1.0	**170**	<1.0	**51**
	4/4/2012	<5.0	<1.0	**5.6**	**17**	<1.0	**21**	<1.0	<1.0	**1.2**	<1.0	**170**	<1.0	**48**
	7/11/2012	<5.0	<1.0	**13**	**25**	<1.0	**32**	**1.3**	<1.0	<1.0	<1.0	**130**	<1.0	**52**
	10/10/2012	<5.0	<1.0	**12**	**23**	<1.0	**31**	**1.2**	<1.0	<1.0	<1.0	**120**	<1.0	**57**
	5/20/2013	<5.0	<1.0	**9.4**	**16**	<1.0	**23**	<1.0	<1.0	<1.0	<1.0	**98**	<1.0	**100**
	11/5/2013	<5.0	<1.0	**7.7**	**16**	<1.0	**28**	<1.0	<1.0	<1.0	<1.0	**77**	<1.0	**58**
	5/19/2014	<5.0	<1.0	**7.4**	**12**	<1.0	**21**	<1.0	<1.0	<1.0	<1.0	**70**	<1.0	**63**
	11/12/2014	<5.0	<1.0	**9.2**	**12**	<1.0	**19**	<1.0	<1.0	<1.0	<1.0	**91**	<1.0	**58**
	5/19/2015	<5.0	<1.0	<5.0	**11**	<1.0	**17**	<1.0	<1.0	<1.0	<1.0	**69**	<1.0	**44**
	4/21/2016	<5.0	<1.0	<5.0	**7.6**	<1.0	**9.3**	<1.0	<1.0	<1.0	<1.0	**56**	<1.0	**37**
	11/28/2016	<5.0	<1.0	<5.0	**9.4**	<1.0	**12**	<1.0	<1.0	<1.0	<1.0	**54**	<1.0	**38**
DUP-01 (MW-33s)	11/18/2010	<5.0	<1.0	<5.0	**14**	<1.0	**23**	<1.0	<1.0	**1.2**	<1.0	**150**	<1.0	**55**
	4/21/2016	<5.0	<1.0	<5.0	**8.1**	<1.0	**9.4**	<1.0	<1.0	<1.0	<1.0	**57**	<1.0	**40**

Notes:

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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 criterion

* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlaying clay unit. The depth to the bottom of the upper clay unit is approximately 7.0 feet below ground surface (ft bgs) at MW-09s, 8.0 ft bgs at MW-20s (based on boring log for nearby soil boring B-29), 15.0 ft bgs at MW-23, 9.0 ft bgs at MW-27s, 20.5 ft bgs at MW-29d, and 14.0 ft bgs at MW-30s and MW-30d.

1) Compound may exhibit characteristic ignitability as defined in 40 C.F.R. § 261.21.
2) 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.
3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.
4) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.
5) Quality control results for trichloroethene are outside the established control limits, the result is approximate.
6) Headspace present in the sample, results are approximate.

Table 7
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-34s (23-28') Depth to Groundwater Approx. 23 - 25'	9/17/2010	<100	<20	<100	<20	<20	<20	<20	<20	**1,600**	<20	**1,100**	<20	<20
	11/18/2010	<100	<20	<100	<20	<20	<20	<20	<20	**1,600**	<20	**1,200**	<20	<20
	12/28/2010	<50	<10	<50	<10	**13**	<10	<10	<10	**1,400**	<10	**1,000**	<10	<10
	2/25/2011	<50	<10	<50	<10	<10	<10	<10	<10	**1,100**	<10	**900**	<10	<10
	5/10/2011[4]	<50	<10	<50	<10	<10	<10	<10	<10	**1,200**	<10	**970**	<10	<10
	7/28/2011	<50	<10	<50	<10	<10	<10	<10	<10	**1,300**	<10	**1,100**	<10	<10
	10/6/2011	<50	<10	<50	<10	<10	<10	<10	<10	**1,200**	<10	**1,000**	<10	<10
	1/10/2012	<50	<10	<50	<10	**14**	<10	<10	<10	**1,500**	<10	**1,100**	<10	<10
	4/4/2012	<50	<10	<50	<10	<10	<10	<10	<10	**1,400**	<10	**1,200**	<10	<10
	7/11/2012	<50	<10	<50	<10	<10	<10	<10	<10	**1,400**	<10	**1,100**	<10	<10
	10/10/2012	<50	<10	<50	<10	<10	<10	<10	<10	**1,400**	<10	**1,100**	<10	<10
	5/20/2013	<50	<10	<50	<10	<10	<10	<10	<10	**720**	<10	**730**	<10	<10
	11/12/2013	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	**490**	<5.0	**450**	<5.0	<5.0
	5/19/2014	<25	<5.0	<25	<5.0	**5.6**	<5.0	<5.0	<5.0	**690**	<5.0	**730**	<5.0	<5.0
	11/26/2014	<25	**5.0**	<25	<5.0	<5.0	<5.0	<5.0	<5.0	**690**	<5.0	**730**	<5.0	<5.0
	5/21/2015	<25	**17**	<25	<5.0	<5.0	<5.0	<5.0	<5.0	**560**	<5.0	**530**	<5.0	<5.0
	12/3/2015	<25	<5.0	<25	<5.0	**6.6**	<5.0	<5.0	<5.0	**750**	<5.0	**750**	<5.0	<5.0
	4/29/2016	<25	<5.0	<25	<5.0	**28**	**6.0**	<5.0	<5.0	**770**	<5.0	**700**	<5.0	<5.0
	12/2/2016	<25	**6.3**	<25	<5.0	**13**	**5.8**	<5.0	<5.0	**830**	<5.0	**590**	<5.0	<5.0
	5/15/2017	<50	**26**	<50	<10	**15**	<10	<10	<10	**1,100**	<10	**850**	<10	<10
DUP-01 (MW-34s)	5/20/2013	<50	<10	<50	<10	<10	<10	<10	<10	**730**	<10	**730**	<10	<10

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Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-34d (45-50') Depth to Groundwater Approx. 23 - 24'	5/20/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/28/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.1**	<1.0	<1.0
	11/12/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/26/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/21/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.1**	<1.0	<1.0
	7/16/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**	<1.0	<1.0
	11/13/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/22/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/30/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/21/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/26/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/21/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/23/2017	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-35i (20.5-22.5') Depth to Groundwater Approx. 16 - 17'	10/29/2012	<250	<50	<250	<50	**94**	<50	<50	<50	**4,500**	<50	**3,000**	<50	<50
	3/27/2013	<250	<50	<250	<50	**110**	<50	<50	<50	**4,500**	<50	**2,700**	<50	<50
	6/5/2013	<250	<50	<250	<50	**160**	<50	<50	<50	**6,400**	<50	**4,300**	<50	<50
	8/29/2013	<250	<50	<250	<50	**160**	<50	<50	<50	**6,600**	<50	**4,900**	<50	<50
	11/12/2013	<250	<50	<250	<50	**190**	<50	<50	<50	**7,400**	<50	**5,100**	<50	<50
	3/28/2014	<250	<50	<250	<50	**170**	<50	<50	<50	**6,300**	<50	**4,600**	<50	<50
	5/21/2014	<250	<50	<250	<50	**140**	**50**	<50	<50	**5,300**	<50	**4,400**	<50	<50
	7/18/2014	<250	<50	<250	<50	**130**	<50	<50	<50	**5,300**	<50	**4,600**	<50	<50
	11/20/2014	<250	<50	<250	<50	**100**	<50	<50	<50	**5,200**	<50	**4,700**	<50	<50
	3/24/2015	<120	<25	<120	<25	**43**	<25	<25	<25	**3,200**	<25	**2,600**	<25	<25
	5/22/2015	<250	<50	<250	<50	**78**	<50	<50	<50	**4,100**	<50	**3,800**	<50	<50
	12/4/2015	<250	<50	<250	<50	**120**	<50	<50	<50	**4,900**	<50	**3,600**	<50	<50
	4/25/2016	<250	<50	<250	<50	**110**	<50	<50	<50	**4,700**	<50	**3,500**	<50	<50
	7/27/2016	<250	<50	<250	<50	**110**	<50	<50	<50	**4,700**	<50	**3,800**	<50	<50
	12/2/2016[4]	<250	<50	<250	<50	**110**	<50	<50	<50	**4,100**	<50	**3,300**	<50	<50
	1/25/2017	<120	<25	<120	<25	**78**	**28**	<25	<25	**3,300**	<25	**2,800**	<25	<25
	5/15/2017	<120	<25	<120	<25	**66**	<25	<25	<25	**2,900**	<25	**2,400**	<25	<25
DUP-02 (MW-35i)	5/15/2017	<120	<25	<120	<25	**66**	<25	<25	<25	**2,900**	<25	**2,400**	<25	<25
DUP-03 (MW-35i)	1/25/2017	<120	<25	<120	<25	**84**	<25	<25	<25	**3,500**	<25	**3,000**	<25	<25

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Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-35d (42.5-44.5') Depth to Groundwater Approx. 15 - 16'	7/24/2012	<5.0	<1.0	<5.0	<1.0	<1.0	**180**	**53**	<1.0	**1.5**	<1.0	**20**	<1.0	**22**
	10/25/2012	<5.0	<1.0	<5.0	<1.0	<1.0	**3.8**	**1.2**	<1.0	<1.0	<1.0	**2.2**	<1.0	**19**
	3/6/2013	<5.0	<1.0	<5.0	<1.0	<1.0	**1.6**	<1.0	<1.0	<1.0	<1.0	**1.6**	<1.0	**24**
	6/11/2013	<5.0	<1.0	<5.0	<1.0	<1.0	**2.3**	<1.0	<1.0	<1.0	<1.0	**1.7**	<1.0	**23**
	8/28/2013	<5.0	<1.0	<5.0	<1.0	<1.0	**5.5**	<1.0	<1.0	<1.0	<1.0	**1.5**	<1.0	**26**
	11/12/2013	<5.0	<1.0	<5.0	<1.0	<1.0	**9.1**	**1.1**	<1.0	<1.0	<1.0	<1.0	<1.0	**33**
	3/26/2014	<5.0	<1.0	<5.0	<1.0	<1.0	**24**	**3.2**	<1.0	<1.0	<1.0	**1.1**	<1.0	**33**
	5/20/2014	<5.0	<1.0	<5.0	<1.0	<1.0	**22**	**3.0**	<1.0	<1.0	<1.0	**1.3**	<1.0	**30**
	7/16/2014	<5.0	<1.0	<5.0	<1.0	<1.0	**12**	**1.4**	<1.0	<1.0	<1.0	**1.2**	<1.0	**31**
	11/13/2014	<5.0	<1.0	<5.0	<1.0	<1.0	**17**	**2.1**	<1.0	<1.0	<1.0	**1.1**	<1.0	**40**
	3/24/2015	<5.0	<1.0	<5.0	<1.0	<1.0	**44**	**8.0**	<1.0	<1.0	<1.0	<1.0	<1.0	**42**
	5/22/2015	<5.0	<1.0	<5.0	<1.0	<1.0	**9.3**	**1.4**	<1.0	<1.0	<1.0	**1.7**	<1.0	**34**
	11/30/2015	<5.0	<1.0	<5.0	<1.0	<1.0	**6.5**	**1.0**	<1.0	<1.0	<1.0	**2.8**	<1.0	**27**
	4/21/2016	<5.0	<1.0	<5.0	<1.0	<1.0	**10**	**1.3**	<1.0	<1.0	<1.0	**1.6**	<1.0	**36**
	7/26/2016	<5.0	<1.0	<5.0	<1.0	<1.0	**93**	**21**	<1.0	<1.0	<1.0	<1.0	<1.0	**39**
	11/21/2016	<5.0	<1.0	<5.0	<1.0	<1.0	**40**	**6.8**	<1.0	<1.0	<1.0	<1.0	<1.0	**37**
	1/23/2017	<5.0	<1.0	<5.0	<1.0	<1.0	**26**	**4.1**	<1.0	<1.0	<1.0	<1.0	<1.0	**34**
	5/15/2017	<5.0	<1.0	<5.0	<1.0	<1.0	**26**	**3.8**	<1.0	<1.0	<1.0	<1.0	<1.0	**30**
MW-36s (16.5-21.5') Depth to Groundwater Approx. 16 - 17'	5/31/2013	<12	<2.5	**20**	**14**	**2.6**	**150**	**18**	<2.5	**29**	<2.5	**280**	<2.5	**11**
	8/29/2013	<12	<2.5	**15**	**16**	**2.9**	**160**	**20**	<2.5	**30**	<2.5	**370**	<2.5	**11**
	11/8/2013	<12	<2.5	**21**	**20**	**3.0**	**200**	**22**	<2.5	**32**	<2.5	**440**	<2.5	**20**
	3/27/2014	<25	<5.0	<25	**15**	<5.0	**130**	**15**	<5.0	**21**	<5.0	**430**	<5.0	**15**
	5/15/2014	<25	<5.0	<25	**15**	<5.0	**120**	**16**	<5.0	**22**	<5.0	**370**	<5.0	**16**
	7/18/2014	<25	<5.0	<25	**14**	<5.0	**120**	**15**	<5.0	**18**	<5.0	**410**	<5.0	**16**
	11/25/2014	<25	<5.0	**28**	**18**	<5.0	**150**	**19**	<5.0	**20**	<5.0	**540**	<5.0	**25**
	3/25/2015	<25	<5.0	**30**	**17**	<5.0	**130**	**16**	<5.0	**21**	<5.0	**550**	<5.0	**30**
	5/20/2015	<25	<5.0	<25	**17**	<5.0	**130**	**16**	<5.0	**19**	<5.0	**570**	<5.0	**28**
	12/2/2015	<12	<2.5	**14**	**28**	<2.5	**270**	**37**	<2.5	**7.0**	<2.5	**190**	<2.5	**33**
	4/27/2016	<25	<5.0	<25	**16**	<5.0	**110**	**14**	<5.0	**17**	<5.0	**660**	<5.0	**24**
	7/28/2016	<50	<10	<50	**18**	<10	**110**	**16**	<10	**23**	<10	**880**	<10	**23**
	12/1/2016	<50	<10	<50	**16**	<10	**100**	**12**	<10	**19**	<10	**750**	<10	**27**
	1/26/2017	<50	<10	<50	**17**	<10	**100**	**14**	<10	**19**	<10	**890**	<10	**26**
	5/16/2017	<25	<5.0	<25	**13**	<5.0	**78**	**10**	<5.0	**23**	<5.0	**620**	<5.0	**20**
DUP-02 (MW-36s)	5/20/2015	<25	<5.0	<25	**17**	<5.0	**130**	**16**	<5.0	**20**	<5.0	**600**	<5.0	**29**
	12/2/2015	<12	<2.5	**14**	**30**	<2.5	**290**	**39**	<2.5	**6.0**	<2.5	**160**	<2.5	**34**

Notes:

Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.

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 criterion

* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlaying clay unit. The depth to the bottom of the upper clay unit is approximately 7.0 feet below ground surface (ft bgs) at MW-09s, 8.0 ft bgs at MW-20s (based on boring log for nearby soil boring B-29), 15.0 ft bgs at MW-23, 9.0 ft bgs at MW-27s, 20.5 ft bgs at MW-29d, and 14.0 ft bgs at MW-30s and MW-30d.

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

2) 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.

3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.

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

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

6) Headspace present in the sample, results are approximate.

Table 7
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-36d (31-36') Depth to Groundwater Approx. 16 - 17'	4/2/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/11/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/28/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/12/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/26/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/21/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/15/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/13/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/22/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/30/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/21/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/26/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/21/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/23/2017	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/16/2017	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-37s (25.5-30.5') Depth to Groundwater Approx. 25 - 26'	4/3/2013	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**570**	<5.0	<5.0
	6/3/2013	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**580**	<5.0	<5.0
	8/29/2013	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**580**	<5.0	<5.0
	11/11/2013	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	**5.6**	<5.0	**640**	<5.0	<5.0
	3/27/2014	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**550**	<5.0	<5.0
	5/16/2014	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	**5.6**	<5.0	**610**	<5.0	<5.0
	7/18/2014	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**610**	<5.0	<5.0
	11/26/2014	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	**5.4**	<5.0	**740**	<5.0	<5.0
	3/26/2015	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**580**	<5.0	<5.0
	5/21/2015	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**630**	<5.0	<5.0
	12/3/2015	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	**6.8**	<5.0	**630**	<5.0	<5.0
	4/29/2016	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**560**	<5.0	<5.0
	7/29/2016	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	**5.0**	<5.0	<5.0	**600**	<5.0	<5.0
	12/2/2016	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**510**	<5.0	<5.0
	1/26/2017	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**620**	<5.0	<5.0
	5/15/2017	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**460**	<5.0	<5.0
DUP-01 (MW-37s)	5/15/2017	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**430**	<5.0	<5.0
DUP-02 (MW-37s)	1/26/2017	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**670**	<5.0	<5.0
DUP-03 (MW-37s)	5/21/2015	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**640**	<5.0	<5.0
	12/2/2015	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**630**	<5.0	<5.0

Notes:
Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.
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 criterion
* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlaying clay unit. The depth to the bottom of the upper clay unit is approximately 7.0 feet below ground surface (ft bgs) at MW-09s, 8.0 ft bgs at MW-20s (based on boring log for nearby soil boring B-29), 15.0 ft bgs at MW-23, 9.0 ft bgs at MW-27s, 20.5 ft bgs at MW-29d, and 14.0 ft bgs at MW-30s and MW-30d.
1) Compound may exhibit characteristic ignitability as defined in 40 C.F.R. § 261.21.
2) 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.
3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.
4) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.
5) Quality control results for trichloroethene are outside the established control limits, the result is approximate.
6) Headspace present in the sample, results are approximate.

Table 7
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-38s (9-14') Depth to Groundwater Approx. 9 - 10'	4/3/2013	<10	<2.0	<10	**13**	<2.0	**22**	**2.7**	<2.0	**18**	<2.0	**210**	<2.0	**16**
	6/3/2013	<10	<2.0	<10	**15**	<2.0	**30**	**2.6**	<2.0	**18**	<2.0	**230**	<2.0	**16**
	8/29/2013	<12	<2.5	<12	**20**	<2.5	**42**	**3.4**	<2.5	**22**	<2.5	**280**	<2.5	**17**
	11/11/2013	<10	<2.0	<10	**21**	<2.0	**35**	**3.0**	<2.0	**28**	<2.0	**290**	<2.0	**19**
	7/17/2014	<10	<2.0	<10	**13**	<2.0	**26**	**2.5**	<2.0	**21**	<2.0	**240**	<2.0	**11**
	11/26/2014	<10	<2.0	<10	**9.4**	<2.0	**21**	**2.4**	<2.0	**24**	<2.0	**310**	<2.0	**9.3**
	3/25/2015	**10**	<2.0	<10	**7.6**	<2.0	**19**	**2.0**	<2.0	**15**	<2.0	**210**	<2.0	**9.7**
	5/21/2015	<10	<2.0	<10	**8.1**	<2.0	**23**	**2.4**	<2.0	**15**	<2.0	**250**	<2.0	**10**
	12/3/2015[5]	<10	<2.0	<10	**6.2**	<2.0	**20**	**2.2**	<2.0	**14**	<2.0	**250**	<2.0	**6.3**
	4/28/2016	<5.0	<1.0	<5.0	**4.6**	<1.0	**14**	**1.4**	<1.0	**7.1**	<1.0	**130**	<1.0	**4.7**
	7/27/2016	<10	<2.0	<10	**6.7**	<2.0	**22**	**2.7**	<2.0	**9.9**	<2.0	**200**	<2.0	**7.4**
	12/1/2016	<10	<2.0	<10	**4.7**	<2.0	**13**	<2.0	<2.0	**8.8**	<2.0	**170**	<2.0	**6.0**
	1/26/2017	<5.0	<1.0	<5.0	**4.3**	<1.0	**12**	**1.4**	<1.0	**7.0**	<1.0	**140**	<1.0	**5.6**
MW-38d (29-34') Depth to Groundwater Approx. 30 - 32'	4/3/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**11**	<1.0	<1.0
	6/12/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.8**	<1.0	<1.0
	8/29/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**	<1.0	<1.0
	11/14/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/27/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/22/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/17/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/21/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/25/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/28/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/2/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/27/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/26/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/29/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/23/2017	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:

Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.

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 criterion

* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlaying clay unit. The depth to the bottom of the upper clay unit is approximately 7.0 feet below ground surface (ft bgs) at MW-09s, 8.0 ft bgs at MW-20s (based on boring log for nearby soil boring B-29), 15.0 ft bgs at MW-23, 9.0 ft bgs at MW-27s, 20.5 ft bgs at MW-29d, and 14.0 ft bgs at MW-30s and MW-30d.

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

2) 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.

3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.

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

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

6) Headspace present in the sample, results are approximate.

Table 7
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-39s (15.5-20.5') Depth to Groundwater Approx. 15 - 16'	4/3/2013	<50	<10	<50	**86**	**17**	**56**	<10	<10	**86**	<10	**810**	<10	<10
	6/3/2013	<50	<10	<50	**90**	**18**	**71**	<10	<10	**84**	<10	**870**	<10	<10
	8/29/2013	<25	<5.0	<25	**42**	**9.5**	**36**	<5.0	<5.0	**39**	<5.0	**460**	<5.0	<5.0
	11/11/2013	<50	<10	<50	**97**	**24**	**67**	<10	<10	**99**	<10	**840**	<10	<10
	3/28/2014	<25	<5.0	<25	**79**	**18**	**64**	**7.2**	<5.0	**96**	<5.0	**790**	<5.0	<5.0
	5/16/2014	<25	<5.0	<25	**79**	**21**	**50**	**5.6**	<5.0	**120**	<5.0	**960**	<5.0	<5.0
	7/18/2014	<25	<5.0	<25	**68**	**17**	**64**	**7.0**	<5.0	**90**	<5.0	**840**	<5.0	<5.0
	11/26/2014	<25	<5.0	<25	**87**	**21**	**66**	**8.2**	<5.0	**110**	<5.0	**940**	<5.0	<5.0
	3/26/2015	<25	<5.0	<25	**89**	**20**	**56**	**6.6**	<5.0	**100**	<5.0	**790**	<5.0	<5.0
	5/21/2015	<50	<10	<50	**99**	**22**	**62**	<10	<10	**110**	<10	**870**	<10	<10
	12/3/2015	<50	<10	<50	**110**	**24**	**59**	<10	<10	**130**	<10	**860**	<10	<10
	4/29/2016	<25	<5.0	<25	**96**	**25**	**36**	<5.0	<5.0	**120**	<5.0	**630**	<5.0	<5.0
	7/29/2016	<50	<10	<50	**110**	**28**	**46**	<10	<10	**150**	<10	**910**	<10	<10
	12/2/2016	<50	<10	<50	**90**	**23**	**28**	<10	<10	**150**	<10	**780**	<10	<10
	1/26/2017	<50	<10	<50	**89**	**22**	**31**	<10	<10	**160**	<10	**890**	<10	<10
	5/16/2017	<25	<5.0	<25	**76**	**20**	**23**	<5.0	<5.0	**130**	<5.0	**670**	<5.0	<5.0
MW-39d (34-39') Depth to Groundwater Approx. 15 - 16'	4/2/2013	<5.0	<1.0	<5.0	<1.0	<1.0	**2.6**	**2.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/11/2013	<5.0	<1.0	<5.0	<1.0	<1.0	**3.2**	**2.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/28/2013	<5.0	<1.0	<5.0	<1.0	<1.0	**3.4**	**2.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/12/2013	<5.0	<1.0	<5.0	<1.0	<1.0	**2.9**	**2.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/26/2014	<5.0	<1.0	<5.0	<1.0	<1.0	**3.3**	**2.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/21/2014	<5.0	<1.0	<5.0	<1.0	<1.0	**3.3**	**2.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/15/2014	<5.0	<1.0	<5.0	<1.0	<1.0	**3.0**	**2.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/13/2014	<5.0	<1.0	<5.0	<1.0	<1.0	**3.4**	**2.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/2015	<5.0	<1.0	<5.0	<1.0	<1.0	**3.4**	**2.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/26/2015	<5.0	<1.0	<5.0	<1.0	<1.0	**3.2**	**2.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/30/2015	<5.0	<1.0	<5.0	<1.0	<1.0	**3.6**	**2.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/22/2016	<5.0	<1.0	<5.0	<1.0	<1.0	**3.5**	**2.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/26/2016	<5.0	<1.0	<5.0	<1.0	<1.0	**3.7**	**2.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/22/2016	<5.0	<1.0	<5.0	<1.0	<1.0	**3.8**	**2.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/23/2017	<5.0	<1.0	<5.0	<1.0	<1.0	**3.8**	**2.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/16/2017	<5.0	<1.0	<5.0	<1.0	<1.0	**3.3**	**2.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

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Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
MW-40s (20-25') Depth to Groundwater Approx. 22 - 23'	4/3/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/12/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/28/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/13/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/26/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/21/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/16/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/17/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/23/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/26/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/25/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/27/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/30/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/26/2017	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-40d (37.5-42.5') Depth to Groundwater Approx. 21 - 22'	4/3/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/12/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/28/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/13/2013	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/26/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/22/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/16/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/17/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/23/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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	7/27/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/30/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/26/2017	<5.0	<1.0	<5.0	<1.0	<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	ug/L	ug/L	ug/L
MW-41 (3.3-6.3') Depth to Groundwater Approx. 0 - 1'	9/1/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/4/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/22/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/28/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.4**	<1.0	<1.0
	11/30/2016	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/24/2017	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-42d (5.6-8.6') Depth to Groundwater Approx. 0'	9/1/2015	<50	<10	<50	**15**	<10	**1,100**	**11**	<10	**25**	<10	**1,200**	<10	**23**
	12/1/2015	<50	<10	<50	**16**	<10	**1,500**	**14**	<10	**22**	<10	**1,100**	<10	**23**
	4/22/2016	<50	<10	<50	**16**	<10	**1,200**	**15**	<10	**22**	<10	**970**	<10	<10
	7/28/2016	<50	<10	<50	**15**	<10	**1,200**	**15**	<10	**24**	<10	**1,100**	<10	<10
	11/29/2016	<50	<10	<50	**13**	<10	**1,200**	**15**	<10	**21**	<10	**840**	<10	<10
	1/24/2017	<50	<10	<50	**13**	<10	**1,200**	**15**	<10	**23**	<10	**970**	<10	<10
MW-43s (9-14') Depth to Groundwater Approx. 11-12'	4/26/2016	<12	<2.5	<12	**3.7**	<2.5	**320**	**21**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
	7/27/2016	<12	<2.5	<12	**3.4**	<2.5	**340**	**24**	<2.5	<2.5	<2.5	**2.9**	<2.5	<2.5
	12/1/2016	<12	<2.5	<12	**3.9**	<2.5	**350**	**25**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
	1/25/2017	<12	<2.5	<12	**3.6**	<2.5	**350**	**26**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
	5/15/2017	<12	<2.5	<12	<2.5	<2.5	**200**	**14**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
DUP-03 (MW-43S)	4/26/2016	<12	<2.5	<12	**3.6**	<2.5	**310**	**21**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
MW-44s (8.5-13.5') Depth to Groundwater Approx. 8.5-9.5'	12/2/2016[4]	<500	<100	<500	<100	<100	**1,900**	<100	**12,000**	<100	<100	**2,100**	<100	<100
	1/27/2017	<500	<100	<500	<100	<100	**480**	<100	**15,000**	<100	<100	**2,400**	<100	<100
	5/15/2017	<500	<100	<500	<100	<100	<100	<100	**17,000**	<100	<100	**1,500**	<100	<100
MW-44i (19.1-24.1') Depth to Groundwater Approx. 8.5-9.5'	12/2/2016[4]	<5.0	<1.0	<5.0	<1.0	<1.0	**5.5**	<1.0	**53**	<1.0	<1.0	**100**	<1.0	<1.0
	1/27/2017	<5.0	<1.0	<5.0	<1.0	<1.0	**6.4**	<1.0	**50**	<1.0	<1.0	**110**	<1.0	<1.0
	5/15/2017	<5.0	<1.0	<5.0	<1.0	<1.0	**8.2**	**1.1**	**35**	<1.0	<1.0	**94**	<1.0	**1.4**
MW-45s (7-12') Depth to Groundwater Approx. 7-8'	12/2/2016[4]	<500	<100	<500	<100	<100	**3,300**	<100	**11,000**	<100	<100	**2,800**	<100	**670**
	1/27/2017	<500	<100	<500	<100	<100	**3,400**	<100	**12,000**	<100	<100	**3,600**	<100	**910**
	5/17/2017	<500	<100	<500	<100	<100	**3,700**	<100	**12,000**	<100	<100	**3,900**	<100	**370**
MW-45i (18.1-23.1') Depth to Groundwater Approx. 6.5-7.5'	12/2/2016[4]	<50	<10	<50	<10	<10	**1,200**	**30**	<10	<10	<10	**500**	<10	**20**
	1/27/2017	<50	<10	<50	<10	<10	**1,500**	**40**	<10	<10	<10	**510**	<10	**21**
	5/17/2017	<50	<10	<50	<10	<10	**1,100**	**34**	<10	<10	<10	**480**	<10	**14**

Notes:

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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 criterion

* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlaying clay unit. The depth to the bottom of the upper clay unit is approximately 7.0 feet below ground surface (ft bgs) at MW-09s, 8.0 ft bgs at MW-20s (based on boring log for nearby soil boring B-29), 15.0 ft bgs at MW-23, 9.0 ft bgs at MW-27s, 20.5 ft bgs at MW-29d, and 14.0 ft bgs at MW-30s and MW-30d.

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

2) 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.

3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.

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

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

6) Headspace present in the sample, results are approximate.

Table 7
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
NS-18s (20-25') Depth to Groundwater Approx. 20 - 22'	7/25/2012	<50	<10	<50	**19**	<10	**58**	<10	<10	**11**	<10	**900**	<10	<10
	5/20/2014	<50	<10	<50	**20**	<10	**120**	**11**	<10	**17**	<10	**790**	<10	<10
	7/14/2014	<50	<10	<50	**18**	<10	**100**	<10	<10	**11**	<10	**760**	<10	<10
	11/12/2014	<50	<10	<50	**19**	<10	**120**	**11**	<10	**14**	<10	**1,100**	<10	<10
	2/24/2015	<50	<10	<50	**27**	<10	**130**	**13**	<10	**18**	<10	**1,100**	<10	**25**
	5/20/2015	<50	<10	<50	**24**	<10	**130**	**12**	<10	**15**	<10	**1,100**	<10	**42**
	4/21/2016	<5.0	<1.0	<5.0	**1.4**	<1.0	**7.2**	<1.0	<1.0	**1.6**	<1.0	**100**	<1.0	**2.0**
	7/25/2016	<50	<10	<50	**14**	<10	**61**	<10	<10	**18**	<10	**970**	<10	**18**
	11/28/2016	<50	<10	<50	**16**	<10	**73**	<10	<10	**27**	<10	**1,300**	<10	**13**
	1/24/2017	<50	<10	<50	**14**	<10	**71**	<10	<10	**22**	<10	**1,400**	<10	**11**
NS-18i (30-35') Depth to Groundwater Approx. 20 - 22'	7/25/2012	<120	<25	<120	<25	<25	**600**	**140**	<25	<25	<25	**2,600**	<25	**26**
	3/27/2014	<120	<25	<120	<25	<25	**630**	**140**	<25	<25	<25	**2,000**	<25	**44**
	5/19/2014	<100	<20	<100	<20	<20	**560**	**110**	<20	<20	<20	**1,700**	<20	**37**
	7/14/2014	<100	<20	<100	<20	<20	**580**	**120**	<20	<20	<20	**1,900**	<20	**37**
	11/12/2014	<100	<20	<100	<20	<20	**650**	**140**	<20	<20	<20	**2,200**	<20	**25**
	2/24/2015	<100	<20	<100	<20	<20	**660**	**150**	<20	<20	<20	**2,100**	<20	**24**
	5/20/2015	<100	<20	<100	<20	<20	**610**	**140**	<20	<20	<20	**2,000**	<20	<20
	4/21/2016	<50	<10	<50	<10	<10	**290**	**68**	<10	<10	<10	**870**	<10	<10
	7/25/2016	<100	<20	<100	<20	<20	**540**	**130**	<20	<20	<20	**1,600**	<20	<20
	11/28/2016	<100	<20	<100	<20	<20	**540**	**130**	<20	<20	<20	**1,700**	<20	<20
	1/24/2017	<100	<20	<100	<20	<20	**560**	**130**	<20	<20	<20	**1,800**	<20	**20**
NS-18d (39.1-44.1') Depth to Groundwater Approx. 20 - 22'	7/25/2012	<10	<2.0	<10	<2.0	<2.0	**200**	**30**	<2.0	<2.0	<2.0	**33**	<2.0	<2.0
	5/20/2014	<10	<2.0	<10	<2.0	<2.0	**180**	**30**	<2.0	<2.0	<2.0	**20**	<2.0	**4.1**
	7/14/2014	<10	<2.0	<10	<2.0	<2.0	**220**	**38**	<2.0	<2.0	<2.0	**17**	<2.0	**5.7**
	11/12/2014	<10	<2.0	<10	<2.0	<2.0	**190**	**31**	<2.0	<2.0	<2.0	**19**	<2.0	**9.1**
	2/24/2015	<10	<2.0	<10	<2.0	<2.0	**170**	**28**	<2.0	<2.0	<2.0	**19**	<2.0	**9.1**
	5/19/2015	<10	<2.0	<10	<2.0	<2.0	**180**	**31**	<2.0	<2.0	<2.0	**20**	<2.0	**3.8**
	4/21/2016	<5.0	<1.0	<5.0	<1.0	<1.0	**180**	**30**	<1.0	<1.0	<1.0	**19**	<1.0	**1.7**
	7/25/2016	<10	<2.0	<10	<2.0	<2.0	**150**	**22**	<2.0	<2.0	<2.0	**15**	<2.0	<2.0
	11/28/2016	<10	<2.0	<10	<2.0	<2.0	**220**	**34**	<2.0	<2.0	<2.0	**17**	<2.0	<2.0
	1/24/2017	<10	<2.0	<10	<2.0	<2.0	**180**	**27**	<2.0	<2.0	<2.0	**16**	<2.0	<2.0

Notes:
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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 criterion
* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlaying clay unit. The depth to the bottom of the upper clay unit is approximately 7.0 feet below ground surface (ft bgs) at MW-09s, 8.0 ft bgs at MW-20s (based on boring log for nearby soil boring B-29), 15.0 ft bgs at MW-23, 9.0 ft bgs at MW-27s, 20.5 ft bgs at MW-29d, and 14.0 ft bgs at MW-30s and MW-30d.
1) Compound may exhibit characteristic ignitability as defined in 40 C.F.R. § 261.21.
2) 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.
3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.
4) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.
5) Quality control results for trichloroethene are outside the established control limits, the result is approximate.
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Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
NS-19s (24-29') Depth to Groundwater Approx. 23 - 25'	7/27/2012	<50	<10	<50	<10	<10	**69**	<10	<10	**30**	<10	**900**	<10	**53**
	5/20/2014	<10	<2.0	<10	**7.9**	**4.6**	**160**	**2.8**	<2.0	**4.9**	<2.0	**150**	<2.0	**140**
	7/14/2014	<10	<2.0	<10	**7.2**	**4.4**	**150**	**2.4**	<2.0	**6.3**	<2.0	**190**	<2.0	**120**
	11/13/2014	<50	<10	<50	**45**	**31**	**970**	**14**	<10	**46**	<10	**1,400**	<10	**660**
	2/25/2015	<10	<2.0	<10	**11**	**7.6**	**260**	**4.1**	<2.0	**7.0**	<2.0	**260**	<2.0	**150**
	5/20/2015	<10	<2.0	<10	**11**	**4.8**	**200**	**2.6**	<2.0	**7.1**	<2.0	**290**	<2.0	**140**
	4/27/2016	<10	<2.0	<10	**6.9**	**2.5**	**120**	<2.0	<2.0	**6.1**	<2.0	**190**	<2.0	**77**
	7/25/2016	<10	<2.0	<10	**8.7**	**2.5**	**130**	<2.0	<2.0	**5.0**	<2.0	**150**	<2.0	**86**
	11/28/2016	<10	<2.0	<10	**9.2**	**3.2**	**180**	<2.0	<2.0	**4.6**	<2.0	**170**	<2.0	**100**
	1/25/2017	<10	<2.0	<10	**8.5**	**3.3**	**160**	<2.0	<2.0	**5.3**	<2.0	**190**	<2.0	**83**
NS-19i (34-39') Depth to Groundwater Approx. 23 - 25'	7/27/2012	<25	<5.0	<25	<5.0	<5.0	**91**	**26**	<5.0	<5.0	<5.0	**630**	<5.0	<5.0
	5/20/2014	<25	<5.0	<25	<5.0	<5.0	**80**	**22**	<5.0	<5.0	<5.0	**490**	<5.0	<5.0
	7/14/2014	<25	<5.0	<25	<5.0	<5.0	**76**	**19**	<5.0	<5.0	<5.0	**430**	<5.0	<5.0
	11/13/2014	<25	<5.0	<25	<5.0	<5.0	**75**	**20**	<5.0	<5.0	<5.0	**510**	<5.0	<5.0
	2/25/2015	<25	<5.0	<25	<5.0	<5.0	**71**	**22**	<5.0	<5.0	<5.0	**520**	<5.0	<5.0
	5/20/2015	<25	<5.0	<25	<5.0	<5.0	**70**	**20**	<5.0	<5.0	<5.0	**550**	<5.0	<5.0
	4/27/2016	<25	<5.0	<25	<5.0	<5.0	**73**	**21**	<5.0	<5.0	<5.0	**470**	<5.0	<5.0
	7/25/2016	<25	<5.0	<25	<5.0	<5.0	**64**	**19**	<5.0	<5.0	<5.0	**400**	<5.0	<5.0
	11/28/2016	<25	<5.0	<25	<5.0	<5.0	**61**	**17**	<5.0	<5.0	<5.0	**430**	<5.0	<5.0
	1/25/2017	<25	<5.0	<25	<5.0	<5.0	**59**	**17**	<5.0	<5.0	<5.0	**440**	<5.0	<5.0
NS-19d (43.5-48.5') Depth to Groundwater Approx. 23 - 25'	7/27/2012	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	**2.1**	<1.0	<1.0	<1.0	**27**	<1.0	<1.0
	5/20/2014	<5.0	<1.0	<5.0	<1.0	<1.0	**1.3**	**2.4**	<1.0	<1.0	<1.0	**23**	<1.0	<1.0
	7/14/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	**1.9**	<1.0	<1.0	<1.0	**21**	<1.0	<1.0
	11/11/2014	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	**2.0**	<1.0	<1.0	<1.0	**24**	<1.0	<1.0
	2/25/2015	<5.0	<1.0	<5.0	<1.0	<1.0	**1.2**	**2.3**	<1.0	<1.0	<1.0	**24**	<1.0	<1.0
	5/19/2015	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	**1.6**	<1.0	<1.0	<1.0	**22**	<1.0	<1.0
	4/27/2016	<5.0	<1.0	<5.0	<1.0	<1.0	**1.1**	**1.9**	<1.0	<1.0	<1.0	**21**	<1.0	<1.0
	7/25/2016	<5.0	<1.0	<5.0	<1.0	<1.0	**1.6**	**1.7**	<1.0	<1.0	<1.0	**18**	<1.0	<1.0
	11/28/2016	<5.0	<1.0	<5.0	<1.0	<1.0	**1.0**	**1.8**	<1.0	<1.0	<1.0	**19**	<1.0	<1.0
	1/25/2017	<5.0	<1.0	<5.0	<1.0	<1.0	**1.2**	**1.9**	<1.0	<1.0	<1.0	**19**	<1.0	<1.0

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* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlaying clay unit. The depth to the bottom of the upper clay unit is approximately 7.0 feet below ground surface (ft bgs) at MW-09s, 8.0 ft bgs at MW-20s (based on boring log for nearby soil boring B-29), 15.0 ft bgs at MW-23, 9.0 ft bgs at MW-27s, 20.5 ft bgs at MW-29d, and 14.0 ft bgs at MW-30s and MW-30d.
1) Compound may exhibit characteristic ignitability as defined in 40 C.F.R. § 261.21.
2) 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.
3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.
4) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.
5) Quality control results for trichloroethene are outside the established control limits, the result is approximate.
6) Headspace present in the sample, results are approximate.

Table 7
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
NS-20s (23-28') Depth to Groundwater Approx. 23 - 25'	7/31/2012	<120	<25	<120	<25	<25	**120**	<25	<25	**830**	<25	**2,600**	<25	<25
	5/20/2014	<100	<20	<100	<20	<20	**160**	<20	<20	**500**	<20	**1,900**	<20	**36**
	7/15/2014	<100	<20	<100	<20	<20	**190**	<20	<20	**490**	<20	**1,800**	<20	**38**
	11/12/2014	<100	<20	<100	<20	<20	**300**	<20	<20	**480**	<20	**2,000**	<20	**62**
	2/25/2015	<50	<10	<50	**24**	<10	**780**	<10	<10	**380**	<10	**1,300**	<10	**160**
	5/20/2015	<50	<10	<50	**16**	<10	**610**	<10	<10	**340**	<10	**1,200**	<10	**120**
	4/27/2016	<50	<10	<50	**12**	<10	**420**	<10	<10	**320**	<10	**1,300**	<10	**76**
	7/25/2016	<50	<10	<50	**16**	<10	**490**	<10	<10	**280**	<10	**870**	<10	**100**
	11/28/2016	<50	<10	<50	**16**	<10	**510**	<10	<10	**250**	<10	**790**	<10	**130**
	1/25/2017	<50	<10	<50	**12**	<10	**440**	<10	<10	**230**	<10	**870**	<10	**110**
NS-20i (29-34') Depth to Groundwater Approx. 23 - 25'	7/31/2012	<5.0	<1.0	<5.0	**22**	**2.3**	**17**	**1.5**	<1.0	<1.0	<1.0	**18**	<1.0	**130**
	5/20/2014	<5.0	<1.0	<5.0	**12**	**1.6**	**12**	**1.3**	<1.0	<1.0	<1.0	**10**	<1.0	**42**
	7/15/2014	<5.0	<1.0	<5.0	**11**	**1.5**	**12**	**1.4**	<1.0	<1.0	<1.0	**14**	<1.0	**55**
	11/12/2014	<5.0	<1.0	<5.0	**11**	**1.5**	**12**	**1.6**	<1.0	<1.0	<1.0	**18**	<1.0	**52**
	2/25/2015	<5.0	<1.0	<5.0	**11**	**1.5**	**10**	**1.4**	<1.0	<1.0	<1.0	**14**	<1.0	**34**
	5/20/2015	<5.0	<1.0	<5.0	**11**	**1.1**	**8.8**	<1.0	<1.0	<1.0	<1.0	**11**	<1.0	**20**
	4/27/2016	<5.0	<1.0	<5.0	**8.1**	**1.2**	**11**	**1.3**	<1.0	<1.0	<1.0	**15**	<1.0	**28**
	7/25/2016	<5.0	<1.0	<5.0	**7.7**	**1.1**	**10**	**1.3**	<1.0	<1.0	<1.0	**15**	<1.0	**32**
	11/28/2016	<5.0	<1.0	<5.0	**6.8**	**1.1**	**10**	**1.3**	<1.0	<1.0	<1.0	**15**	<1.0	**33**
	1/25/2017	<5.0	<1.0	<5.0	**7.0**	**1.2**	**9.9**	**1.4**	<1.0	<1.0	<1.0	**14**	<1.0	**36**

Notes:

Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.

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 criterion

* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlaying clay unit. The depth to the bottom of the upper clay unit is approximately 7.0 feet below ground surface (ft bgs) at MW-09s, 8.0 ft bgs at MW-20s (based on boring log for nearby soil boring B-29), 15.0 ft bgs at MW-23, 9.0 ft bgs at MW-27s, 20.5 ft bgs at MW-29d, and 14.0 ft bgs at MW-30s and MW-30d.

1) Compound may exhibit characteristic ignitability as defined in 40 C.F.R. § 261.21.
2) 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.
3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.
4) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.
5) Quality control results for trichloroethene are outside the established control limits, the result is approximate.
6) Headspace present in the sample, results are approximate.

Table 7
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[1]	Carbon Tetrachloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
SS-09s (23-28') Depth to Groundwater Approx. 23 - 25'	8/2/2012	<50	<10	<50	<10	<10	<10	<10	**11**	**790**	<10	**560**	<10	<10
	5/20/2014	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	**13**	**370**	<5.0	**330**	<5.0	<5.0
	7/17/2014	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	**13**	**600**	<5.0	**470**	<5.0	<5.0
	11/21/2014	<25	<5.0	<25	<5.0	**6.8**	<5.0	<5.0	**21**	**820**	<5.0	**560**	<5.0	<5.0
	3/26/2015	<25	<5.0	<25	<5.0	**6.4**	<5.0	<5.0	**21**	**830**	<5.0	**520**	<5.0	<5.0
	5/22/2015	<50	<10	<50	<10	<10	<10	<10	**27**	**1,200**	<10	**730**	<10	<10
	4/25/2016	<50	<10	<50	<10	<10	<10	<10	**30**	**1,300**	<10	**980**	<10	<10
	7/27/2016	<50	<10	<50	<10	<10	**21**	<10	**26**	**1,100**	<10	**820**	<10	<10
	12/1/2016	<50	<10	<50	<10	**18**	<10	<10	**24**	**1,100**	<10	**710**	<10	<10
	1/25/2017	<50	<10	<50	<10	**16**	<10	<10	**28**	**1,200**	<10	**810**	<10	<10
DUP-04 (SS-09s)	5/20/2014	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	**13**	**380**	<5.0	**330**	<5.0	<5.0
DUP-02 (SS-09s)	7/17/2014	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	**13**	**550**	<5.0	**430**	<5.0	<5.0
SS-09i (34-39') Depth to Groundwater Approx. 23 - 25'	8/2/2012	<50	<1.0	<5.0	**8.0**	<1.0	**37**	**5.4**	<1.0	**2.6**	<1.0	<1.0	<1.0	<1.0
	5/20/2014	<5.0	<1.0	<5.0	**7.1**	<1.0	**32**	**5.3**	<1.0	**2.2**	<1.0	<1.0	<1.0	<1.0
	7/17/2014	<5.0	<1.0	<5.0	**6.6**	<1.0	**30**	**4.6**	<1.0	**3.8**	<1.0	**2.5**	<1.0	<1.0
	11/21/2014	<5.0	<1.0	<5.0	**6.9**	<1.0	**29**	**4.9**	<1.0	**5.2**	<1.0	**3.9**	<1.0	<1.0
	3/26/2015	<5.0	<1.0	<5.0	**7.3**	<1.0	**30**	**5.0**	<1.0	**5.7**	<1.0	**4.1**	<1.0	<1.0
	5/22/2015	<5.0	<1.0	<5.0	**7.2**	<1.0	**31**	**5.0**	<1.0	**4.3**	<1.0	**3.7**	<1.0	<1.0
	4/25/2016	<5.0	<1.0	<5.0	**7.0**	<1.0	**28**	**4.8**	<1.0	**5.7**	<1.0	**4.3**	<1.0	<1.0
	7/27/2016	<5.0	<1.0	<5.0	**6.2**	<1.0	**26**	**4.4**	<1.0	**4.2**	<1.0	**4.4**	<1.0	<1.0
	12/1/2016	<5.0	<1.0	<5.0	**5.2**	<1.0	**19**	**3.4**	<1.0	**3.8**	<1.0	**3.2**	<1.0	<1.0
	1/25/2017	<5.0	<1.0	<5.0	**6.0**	<1.0	**23**	**3.8**	<1.0	**4.3**	<1.0	**3.3**	<1.0	<1.0
DUP-04 (SS-09i)	4/25/2016	<5.0	<1.0	<5.0	**7.3**	<1.0	**29**	**5.0**	<1.0	**6.0**	<1.0	**4.6**	<1.0	<1.0
SS-10s (22.5-27.5') Depth to Groundwater Approx. '	8/2/2012	<50	<10	<50	<10	<10	<10	<10	<10	**160**	<10	**770**	<10	<10
	5/21/2014	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	**80**	<5.0	**570**	<5.0	<5.0
	7/17/2014	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	**83**	<5.0	**640**	<5.0	<5.0
	12/1/2014	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	**110**	<5.0	**780**	<5.0	<5.0
	3/26/2015	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	**82**	<5.0	**610**	<5.0	<5.0
	5/22/2015	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	**56**	<5.0	**600**	<5.0	<5.0
	4/25/2016	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	**110**	<5.0	**650**	<5.0	<5.0
	7/27/2016	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	**87**	<5.0	**640**	<5.0	<5.0
	12/1/2016	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	**64**	<5.0	**510**	<5.0	<5.0
	1/25/2017	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	**80**	<5.0	**640**	<5.0	<5.0

Notes:

Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.

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

2) 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.

3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.

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

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Residential DW Criteria		13,000	5.0	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	5.0	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	45[2]	1,100[2]	740	130	620	1,500[2]	60[2]	89	330[2]	200[2]	NC	13[2]
Residential GWSLs for Vapor Intrusion		4.3E+06	370	44,000	4,300	370	83	360	94	17,000	96	9.8	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	2,400	1.8E+05	18,000	1,600	350	1,500	460	71,000	480	41	1.2E+05	52
Groundwater Contact Criteria		2.4E+08	4,600	4.4E+05	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	21,000	13,000[3]	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	ug/L	ug/L	ug/L
SS-10i (33-38') Depth to Groundwater Approx. 23 - 25'	8/2/2012	<5.0	<1.0	<5.0	**8.2**	<1.0	**24**	**1.7**	<1.0	<1.0	<1.0	**78**	<1.0	<1.0
	5/21/2014	<5.0	<1.0	<5.0	**7.2**	<1.0	**25**	**1.9**	<1.0	<1.0	<1.0	**54**	<1.0	<1.0
	7/17/2014	<5.0	<1.0	<5.0	**7.0**	<1.0	**24**	**1.7**	<1.0	<1.0	<1.0	**52**	<1.0	<1.0
	12/1/2014	<5.0	<1.0	<5.0	**6.6**	<1.0	**24**	**1.9**	<1.0	<1.0	<1.0	**57**	<1.0	<1.0
	3/26/2015	<5.0	<1.0	<5.0	**7.1**	<1.0	**23**	**1.9**	<1.0	<1.0	<1.0	**48**	<1.0	<1.0
	5/22/2015	<5.0	<1.0	<5.0	**7.4**	<1.0	**26**	**1.9**	<1.0	<1.0	<1.0	**59**	<1.0	<1.0
	4/25/2016	<5.0	<1.0	<5.0	**7.1**	<1.0	**23**	**1.7**	<1.0	<1.0	<1.0	**56**	<1.0	<1.0
	7/27/2016	<5.0	<1.0	<5.0	**6.7**	<1.0	**25**	**1.9**	<1.0	**1.0**	<1.0	**53**	<1.0	<1.0
	12/1/2016	<5.0	<1.0	<5.0	**5.7**	<1.0	**20**	**1.4**	<1.0	**1.2**	<1.0	**41**	<1.0	<1.0
	1/25/2017	<5.0	<1.0	<5.0	**6.6**	<1.0	**23**	**1.7**	<1.0	**1.8**	<1.0	**56**	<1.0	<1.0
SS-10d (50-55') Depth to Groundwater Approx. 23 - 25'	8/3/2012	<5.0	<1.0	<5.0	<1.0	<1.0	**15**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/21/2014	<5.0	<1.0	<5.0	<1.0	<1.0	**17**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/17/2014	<5.0	<1.0	<5.0	<1.0	<1.0	**16**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/13/2014	<5.0	<1.0	<5.0	<1.0	<1.0	**18**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/2015	<5.0	<1.0	<5.0	<1.0	<1.0	**16**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/21/2015	<5.0	<1.0	<5.0	<1.0	<1.0	**16**	<1.0	<1.0	<1.0	<1.0	**1.0**	<1.0	<1.0
	4/21/2016	<5.0	<1.0	<5.0	<1.0	<1.0	**16**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/26/2016	<5.0	<1.0	<5.0	<1.0	<1.0	**15**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/1/2016	<5.0	<1.0	<5.0	<1.0	<1.0	**13**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/25/2017	<5.0	<1.0	<5.0	<1.0	<1.0	**15**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:

Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.

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 criterion

* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlaying clay unit. The depth to the bottom of the upper clay unit is approximately 7.0 feet below ground surface (ft bgs) at MW-09s, 8.0 ft bgs at MW-20s (based on boring log for nearby soil boring B-29), 15.0 ft bgs at MW-23, 9.0 ft bgs at MW-27s, 20.5 ft bgs at MW-29d, and 14.0 ft bgs at MW-30s and MW-30d.

1) Compound may exhibit characteristic ignitability as defined in 40 C.F.R. § 261.21.
2) 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.
3) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which was published by USEPA on September 28, 2011.
4) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.
5) Quality control results for trichloroethene are outside the established control limits, the result is approximate.
6) Headspace present in the sample, results are approximate.

Table 8
Summary of Detected Volatile Organic Compounds at PRB Performance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		Acetone(2)	2-Butanone	Benzene(2)	Chloroethane	Chloroform	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1-Dichloro-ethene(2)	cis-1,2-Dichloro-ethene	trans-1,2-Dichloro-ethene	Ethyl-benzene(2)	Isopropyl-benzene	n-Propyl Benzene(2)	1,1,1,2-Tetrachloro-ethane	Tetrachloro-ethene	Toluene(2)	1,1,1-Tri-chloroethane	1,1,2-Tri-chloroethane	Trichloro-ethene	1,2,4-Tri-methyl-benzene	Vinyl Chloride	Total Xylenes(2)
Residential Health-Based DW Criteria		730	13,000	5.0	430	80	880	5.0	7.0	70	100	700	800	80	77	5.0	1,000	200	5.0	5.0	1,000	2.0	10,000
Non-Residential Health-Based DW Criteria		2,100	38,000	5.0	1,700	80	2,500	5.0	7.0	70	100	700	2,300	230	320	5.0	1,000	200	5.0	5.0	2,900	2.0	10,000
GSI Criteria		1,700	2,200	200(1)	1,100(1)	350	740	360(1)	130	620	1,500(1)	18	28	NC	NC	60(1)	270	89	330(1)	200(1)	17	13(1)	41
Residential GWSLs for Vapor Intrusion		8.2E+06	4.3E+06	27	44,000	140	4,300	41	370	83	360	700	10	92	69	94	36,000	17,000	96	9.8	1,700	2.8	10,000
Non-Residential GWSLs for Vapor Intrusion		3.4E+07	1.8E+07	140	1.8E+05	720	18,000	210	1,600	350	1,500	2,600	53	390	350	460	1.5E+05	71,000	480	41	7,300	52	10,000
Groundwater Contact Criteria		3.1E+07	2.4E+08	11,000	4.4E+05	1.5E+05	2.4E+06	19,000	11,000	2.0E+05	2.2E+05	1.7E+05	56,000	15,000	30,000	12,000	5.3E+05	1.3E+06	21,000	13,000(3)	56,000	1,000	1.9E+05
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PRB-01s (6-11') Depth to Groundwater* Approx. 5.5 - 6.5'	8/10/2011	<1,000	<250	<50	<250	<50	<50	<50	**170**	<50	<50	<50	<50	<50	<50	<50	<50	**3,700**	<50	**3,900**	<50	<50	<150
	10/7/2011	<500	<120	<25	<120	<25	<25	<25	**42**	<25	<25	<25	<25	<25	<25	<25	<25	**2,900**	<25	**3,300**	<25	<25	<75
	1/11/2012	<200	<50	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	**960**	<10	**2,000**	<10	<10	<30
	4/10/2012	<400	<100	<20	<100	<20	**50**	<20	**31**	**230**	<20	<20	<20	<20	<20	<20	<20	**670**	<20	**1,800**	<20	**22**	<30
	7/16/2012	<200	<50	<10	<50	**10**	**41**	<10	**120**	**750**	<10	<10	<10	<10	<10	<10	<10	**600**	<10	**1,600**	<10	**20**	<30
	10/10/2012	<200	<50	<10	<50	<10	**29**	<10	**23**	**350**	<10	<10	<10	<10	<10	<10	<10	**570**	<10	**1,400**	<10	<10	<30
	3/4/2013	<200	**130**	<10	<50	<10	**90**	<10	**27**	**88**	<10	<10	<10	<10	<10	<10	<10	**730**	<10	**1,100**	<10	**140**	<30
	6/7/2013	<200	<50	<10	<50	<10	**380**	<10	**24**	**620**	<10	<10	<10	<10	<10	<10	<10	**970**	<10	**960**	<10	**48**	<30
	8/26/2013	<200	<50	<10	<50	<10	**81**	<10	**37**	**200**	<10	<10	<10	<10	<10	<10	<10	**1,500**	<10	**1,200**	<10	<10	<30
	11/15/2013	<200	<50	<10	<50	<10	**43**	<10	**20**	**43**	<10	<10	<10	<10	<10	<10	<10	**1,200**	<10	**1,100**	<10	<10	<30
	5/30/2014	<200	<50	<10	<50	<10	**330**	<10	**45**	**550**	<10	<10	<10	<10	<10	<10	<10	**1,500**	<10	**1,700**	<10	**64**	<30
	11/24/2014	<200	<50	<10	<50	<10	**16**	<10	**51**	**18**	<10	<10	<10	<10	<10	<10	<10	**1,200**	<10	**2,000**	<10	<10	<30
	4/21/2015	<200	<50	<10	<50	<10	**17**	<10	**29**	**16**	<10	<10	<10	<10	<10	<10	<10	**940**	<10	**1,600**	<10	<10	<30
	12/7/2015	<200	<50	<10	<50	<10	**12**	<10	**28**	**66**	<10	<10	<10	<10	<10	<10	<10	**760**	<10	**1,300**	<10	<10	<30
	4/27/2016	<200	<50	<10	<50	<10	**54**	<10	**16**	**74**	<10	<10	<10	<10	<10	<10	<10	**620**	<10	**1,100**	<10	**97**	<30
	12/2/2016(4)	<200	<50	<10	<50	<10	**97**	<10	**18**	**570**	<10	<10	<10	<10	<10	<10	<10	**510**	<10	**1,000**	<10	**35**	<30
PRB-02s (6-11') Depth to Groundwater* Approx. 5.5 - 6.5'	8/10/2011	<500	<120	<25	<120	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	**110**	<25	**3,100**	<25	<25	<75
	10/7/2011	<500	<120	<25	<120	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	**80**	<25	**2,300**	<25	<25	<75
	1/11/2012	<400	<100	<20	<100	<20	<20	<20	<20	**1,200**	<20	<20	<20	<20	<20	<20	<20	**64**	<20	**1,900**	<20	<20	<60
	4/10/2012	<400	<100	<20	<100	<20	<20	<20	<20	**1,800**	**23**	<20	<20	<20	<20	<20	<20	**36**	<20	**1,300**	<20	<20	<60
	7/13/2012	<200	<50	<10	<50	<10	<10	<10	<10	**1,000**	**19**	<10	<10	<10	<10	<10	<10	**29**	<10	**1,200**	<10	<10	<30
	10/10/2012	<200	<50	<10	<50	<10	<10	<10	<10	**410**	<10	<10	<10	<10	<10	<10	<10	**24**	<10	**1,100**	<10	**33**	<30
	3/5/2013	<50	<12	<2.5	<12	<2.5	**4.4**	<2.5	<2.5	**250**	**6.4**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**4.8**	<2.5	**310**	<2.5	**43**	<7.5
	6/7/2013	<50	<12	<2.5	<12	<2.5	**9.0**	<2.5	<2.5	**140**	**4.8**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**4.8**	<2.5	**280**	<2.5	**26**	<7.5
	8/26/2013	<50	<12	<2.5	<12	<2.5	**12**	<2.5	<2.5	**150**	**4.4**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**4.8**	<2.5	**260**	<2.5	**25**	<7.5
	11/15/2013	<50	<12	<2.5	<12	<2.5	**5.1**	<2.5	<2.5	**200**	**4.3**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**3.8**	<2.5	**190**	<2.5	**24**	<7.5
	6/5/2014	<50	<12	<2.5	<12	<2.5	**2.8**	<2.5	<2.5	**350**	**3.0**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**230**	<2.5	**29**	<7.5
	11/24/2014	<50	<12	<2.5	<12	<2.5	<2.5	<2.5	<2.5	**190**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**440**	<2.5	**9.6**	<7.5
	4/21/2015	<40	<10	<2.0	<10	<2.0	<2.0	<2.0	<2.0	**73**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**250**	<2.0	**4.9**	<6.0
	12/7/2015	<40	<10	<2.0	<10	<2.0	<2.0	<2.0	<2.0	**100**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**180**	<2.0	**13**	<6.0
	4/25/2016	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**42**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**93**	<1.0	**19**	<3.0
	12/2/2016(4)	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**130**	**1.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**42**	<1.0	**16**	<3.0
	5/16/2017	<40	<10	<2.0	<10	<2.0	<2.0	<2.0	<2.0	**200**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**34**	<2.0	**6.8**	<6.0

Notes:
Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.
ug/L = micrograms per liter
NC = No criteria
Bold font denotes concentrations detected above laboratory reporting limits
Denotes concentrations above one or more criteria
* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlying clay unit. The depth to the bottom of the upper clay unit is approximately 3.5 feet below ground surface (ft bgs) at PRB-09s; 4.0 ft bgs at PRB-06s; 5.0 ft bgs at PRB-08s, PRB-08d, and PRB-10s; 6.5 ft bgs at PRB-01s, PRB-02s, PRB-04s, and PRB-04d; 7.0 ft bgs at PRB-05s and PRB-07s; and 8.0 ft bgs at PRB-03s.
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) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which were published by USEPA on September 28, 2011.
4) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.

Table 8
Summary of Detected Volatile Organic Compounds at PRB Performance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		Acetone(2)	2-Butanone	Benzene(2)	Chloroethane	Chloroform	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1-Dichloro-ethene(2)	cis-1,2-Dichloro-ethene	trans-1,2-Dichloro-ethene	Ethyl-benzene(2)	Isopropyl-benzene	n-Propyl Benzene(2)	1,1,1,2-Tetrachloro-ethane	Tetrachloro-ethene	Toluene(2)	1,1,1-Tri-chloroethane	1,1,2-Tri-chloroethane	Trichloro-ethene	1,2,4-Tri-methyl-benzene	Vinyl Chloride	Total Xylenes(2)
Residential Health-Based DW Criteria		730	13,000	5.0	430	80	880	5.0	7.0	70	100	700	800	80	77	5.0	1,000	200	5.0	5.0	1,000	2.0	10,000
Non-Residential Health-Based DW Criteria		2,100	38,000	5.0	1,700	80	2,500	5.0	7.0	70	100	700	2,300	230	320	5.0	1,000	200	5.0	5.0	2,900	2.0	10,000
GSI Criteria		1,700	2,200	200(1)	1,100(1)	350	740	360(1)	130	620	1,500(1)	18	28	NC	NC	60(1)	270	89	330(1)	200(1)	17	13(1)	41
Residential GWSLs for Vapor Intrusion		8.2E+06	4.3E+06	27	44,000	140	4,300	41	370	83	360	700	10	92	69	94	36,000	17,000	96	9.8	1,700	2.8	10,000
Non-Residential GWSLs for Vapor Intrusion		3.4E+07	1.8E+07	140	1.8E+05	720	18,000	210	1,600	350	1,500	2,600	53	390	350	460	1.5E+05	71,000	480	41	7,300	52	10,000
Groundwater Contact Criteria		3.1E+07	2.4E+08	11,000	4.4E+05	1.5E+05	2.4E+06	19,000	11,000	2.0E+05	2.2E+05	1.7E+05	56,000	15,000	30,000	12,000	5.3E+05	1.3E+06	21,000	13,000(3)	56,000	1,000	1.9E+05
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PRB-03s (6-11') Depth to Groundwater* Approx. 5.5 - 6.5'	8/10/2011	<200	<50	<10	<50	<10	**19**	<10	<10	<10	<10	**560**	<10	<10	<10	<10	<10	<10	<10	**14**	<10	<10	**3,400**
	10/6/2011	<200	<50	<10	<50	<10	**17**	<10	<10	<10	<10	**510**	<10	<10	<10	<10	<10	<10	<10	**10**	<10	<10	**2,990**
	1/11/2012	<100	<25	<5.0	<25	<5.0	**13**	<5.0	<5.0	<5.0	<5.0	**320**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**24**	<5.0	<5.0	**1,920**
	4/10/2012	<40	<10	<2.0	<10	<2.0	**11**	<2.0	<2.0	<2.0	<2.0	**170**	**2.3**	**2.2**	<2.0	<2.0	<2.0	**3.6**	<2.0	**25**	<2.0	<2.0	**890**
	7/16/2012	<100	<25	<5.0	**34**	<5.0	**26**	<5.0	<5.0	<5.0	<5.0	**410**	**17**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**11**	**14**	<5.0	**2,090**
	10/9/2012	<100	<25	<5.0	<25	<5.0	**29**	<5.0	<5.0	<5.0	<5.0	**370**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**21**	**5.0**	**10**	**2,100**
	3/4/2013	<100	<25	<5.0	<25	<5.0	**56**	<5.0	<5.0	<5.0	<5.0	**260**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**20**	<5.0	**7.8**	**1,410**
	6/6/2013	<50	<12	<2.5	<12	<2.5	**62**	<2.5	<2.5	**7.4**	<2.5	**220**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**14**	**2.8**	**7.2**	**1,010**
	8/26/2013	<100	<25	<5.0	<25	<5.0	**54**	<5.0	<5.0	<5.0	<5.0	**260**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**32**	<5.0	<5.0	**1,090**
	11/15/2013	<50	<12	<2.5	**52**	<2.5	**36**	<2.5	<2.5	<2.5	<2.5	**170**	<2.5	<2.5	<2.5	<2.5	<2.5	**4.0**	<2.5	**71**	<2.5	<2.5	**640**
	5/28/2014	<40	<10	<2.0	**120**	<2.0	**41**	<2.0	<2.0	<2.0	<2.0	**110**	<2.0	<2.0	<2.0	<2.0	<2.0	**3.8**	<2.0	**18**	<2.0	<2.0	**360**
	11/25/2014	<40	<10	<2.0	**110**	<2.0	**43**	<2.0	<2.0	<2.0	<2.0	**140**	<2.0	<2.0	<2.0	<2.0	<2.0	**3.6**	<2.0	**21**	<2.0	<2.0	**320**
	4/22/2015	<20	<5.0	<1.0	**140**	<1.0	**22**	<1.0	<1.0	**1.3**	<1.0	**96**	<1.0	<1.0	<1.0	<1.0	<1.0	**2.8**	<1.0	**16**	**1.3**	**1.5**	**260**
	4/25/2016	<20	<5.0	<1.0	**27**	<1.0	**5.1**	<1.0	<1.0	**1.5**	<1.0	**75**	<1.0	<1.0	<1.0	<1.0	<1.0	**3.2**	<1.0	**19**	**1.2**	**2.0**	**210**
	12/1/2016	<20	<5.0	<1.0	**120**	<1.0	**5.4**	<1.0	<1.0	**3.2**	<1.0	**69**	<1.0	<1.0	<1.0	<1.0	<1.0	**2.2**	<1.0	**27**	**1.4**	**4.3**	**230**
PRB-04s (6-11') Depth to Groundwater* Approx. 6.0 - 7.0'	8/10/2011	<200	**110**	<10	<50	<10	<10	<10	<10	**590**	<10	<10	<10	<10	<10	<10	<10	**100**	<10	**1,100**	<10	<10	<30
	10/7/2011	<500	**900**	<25	<120	<25	<25	<25	<25	**3,400**	<25	<25	<25	<25	<25	<25	<25	**62**	<25	<25	<25	<25	<75
	1/11/2012	<500	**440**	<25	<120	<25	**110**	<25	<25	**3,600**	**36**	<25	<25	<25	<25	<25	<25	**34**	<25	<25	<25	**67**	<75
	4/10/2012	<500	**360**	<25	**130**	<25	**200**	<25	<25	**2,400**	**37**	<25	<25	<25	<25	<25	<25	<25	<25	**26**	<25	**190**	<75
	7/16/2012	<500	**660**	<25	**120**	<25	**490**	**29**	<25	**2,500**	**67**	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	**610**	**108**
	10/4/2012	<200	<50	<10	**74**	<10	**180**	<10	<10	**1,400**	**36**	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	**430**	<30
	3/4/2013	<100	<25	<5.0	**46**	<5.0	**42**	<5.0	<5.0	**560**	**7.0**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**190**	<15
	6/6/2013	**28**	**36**	<1.0	**58**	<1.0	**50**	<1.0	**1.0**	**200**	**2.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**73**	<3.0
	8/26/2013	<20	**7.0**	<1.0	**60**	<1.0	**33**	<1.0	<1.0	**33**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.5**	<1.0	**18**	<3.0
	11/15/2013	<20	<5.0	<1.0	**22**	<1.0	**22**	<1.0	<1.0	**29**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.1**	<1.0	**3.6**	<1.0	**15**	<3.0
	5/28/2014	<20	<5.0	<1.0	**15**	<1.0	**21**	<1.0	<1.0	**28**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.3**	<1.0	**1.5**	<3.0
	11/24/2014	<20	<5.0	<1.0	<5.0	<1.0	**36**	<1.0	<1.0	**7.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.2**	<1.0	**8.1**	<3.0
	4/22/2015	<20	<5.0	<1.0	<5.0	<1.0	**41**	<1.0	<1.0	**9.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.9**	<1.0	**84**	<3.0
	4/25/2016	<40	<10	<2.0	<10	<2.0	**46**	<2.0	**3.3**	**170**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**3.3**	<2.0	**180**	<6.0
	11/29/2016	<40	<10	<2.0	<10	<2.0	**36**	<2.0	**13**	**320**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**5.0**	<2.0	**200**	<6.0

Notes:
Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.
ug/L = micrograms per liter
NC = No criteria
Bold font denotes concentrations detected above laboratory reporting limits
Denotes concentrations above one or more criteria
* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlying clay unit. The depth to the bottom of the upper clay unit is approximately 3.5 feet below ground surface (ft bgs) at PRB-09s; 4.0 ft bgs at PRB-06s; 5.0 ft bgs at PRB-08s, PRB-08d, and PRB-10s; 6.5 ft bgs at PRB-01s, PRB-02s, PRB-04s, and PRB-04d; 7.0 ft bgs at PRB-05s and PRB-07s; and 8.0 ft bgs at PRB-03s.
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) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which were published by USEPA on September 28, 2011.
4) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.

Table 8
Summary of Detected Volatile Organic Compounds at PRB Performance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		Acetone(2)	2-Butanone	Benzene(2)	Chloroethane	Chloroform	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1-Dichloro-ethene(2)	cis-1,2-Dichloro-ethene	trans-1,2-Dichloro-ethene	Ethyl-benzene(2)	Isopropyl-benzene	n-Propyl Benzene(2)	1,1,1,2-Tetrachloro-ethane	Tetrachloro-ethene	Toluene(2)	1,1,1-Tri-chloroethane	1,1,2-Tri-chloroethane	Trichloro-ethene	1,2,4-Tri-methyl-benzene	Vinyl Chloride	Total Xylenes(2)
Residential Health-Based DW Criteria		730	13,000	5.0	430	80	880	5.0	7.0	70	100	700	800	80	77	5.0	1,000	200	5.0	5.0	1,000	2.0	10,000
Non-Residential Health-Based DW Criteria		2,100	38,000	5.0	1,700	80	2,500	5.0	7.0	70	100	700	2,300	230	320	5.0	1,000	200	5.0	5.0	2,900	2.0	10,000
GSI Criteria		1,700	2,200	200(1)	1,100(1)	350	740	360(1)	130	620	1,500(1)	18	28	NC	NC	60(1)	270	89	330(1)	200(1)	17	13(1)	41
Residential GWSLs for Vapor Intrusion		8.2E+06	4.3E+06	27	44,000	140	4,300	41	370	83	360	700	10	92	69	94	36,000	17,000	96	9.8	1,700	2.8	10,000
Non-Residential GWSLs for Vapor Intrusion		3.4E+07	1.8E+07	140	1.8E+05	720	18,000	210	1,600	350	1,500	2,600	53	390	350	460	1.5E+05	71,000	480	41	7,300	52	10,000
Groundwater Contact Criteria		3.1E+07	2.4E+08	11,000	4.4E+05	1.5E+05	2.4E+06	19,000	11,000	2.0E+05	2.2E+05	1.7E+05	56,000	15,000	30,000	12,000	5.3E+05	1.3E+06	21,000	13,000(3)	56,000	1,000	1.9E+05
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PRB-04d (25-30') Depth to Groundwater* Approx. 6.0 - 7.0'	8/10/2011	<20	**10**	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**9.8**	<1.0	**12**	<3.0
	10/7/2011	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**3.4**	<1.0	**11**	<3.0
	1/11/2012	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**2.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**3.2**	<1.0	**9.4**	<3.0
	4/10/2012	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.1**	<1.0	**9.4**	<3.0
	7/16/2012	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**9.2**	<3.0
	10/4/2012	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**13**	<3.0
	3/4/2013	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**17**	<3.0
	6/6/2013	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**14**	<3.0
	8/26/2013	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**13**	<3.0
	11/15/2013	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**11**	<3.0
	5/28/2014	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**9.8**	<3.0
	11/25/2014	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**7.7**	<3.0
	4/22/2015	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**5.4**	<3.0
	4/25/2016	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**5.0**	<3.0
	11/29/2016	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**4.4**	<3.0
PRB-05s (6-11') Depth to Groundwater* Approx. 6.0 - 7.0'	8/11/2011	<200	<50	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	**270**	<10	**57**	<10	**990**	<10	<10	<30
	10/6/2011	<200	<50	<10	<50	<10	<10	<10	<10	**21**	<10	<10	<10	<10	<10	**270**	<10	**53**	<10	**1,000**	<10	<10	<30
	1/12/2012	<200	<50	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	**230**	<10	**35**	<10	**780**	<10	<10	<30
	4/9/2012	<100	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**200**	<5.0	**28**	<5.0	**630**	<5.0	<5.0	<15
	7/12/2012	<100	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**280**	<5.0	**36**	<5.0	**810**	<5.0	<5.0	<15
	10/9/2012	<100	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**290**	<5.0	**37**	<5.0	**760**	<5.0	<5.0	<15
	3/5/2013	<100	**27**	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**310**	<5.0	**35**	<5.0	**720**	<5.0	<5.0	<15
	6/7/2013	<100	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**260**	<5.0	**31**	<5.0	**620**	<5.0	<5.0	<15
	8/27/2013	<100	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**300**	<5.0	**43**	<5.0	**760**	<5.0	<5.0	<15
	11/14/2013	<100	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**320**	<5.0	**52**	<5.0	**720**	<5.0	<5.0	<15
	5/29/2014	<100	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**320**	<5.0	**50**	<5.0	**760**	<5.0	<5.0	<15
	11/25/2014	<100	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**23**	**330**	<5.0	**52**	<5.0	**930**	<5.0	<5.0	<15
	4/20/2015	<100	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**350**	<5.0	**47**	<5.0	**810**	<5.0	<5.0	<15
	4/25/2016	<100	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**280**	<5.0	**26**	<5.0	**590**	<5.0	<5.0	<15
	11/30/2016	<100	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**12**	**390**	<5.0	**41**	<5.0	**850**	<5.0	<5.0	<15

Notes:
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ug/L = micrograms per liter
NC = No criteria
Bold font denotes concentrations detected above laboratory reporting limits
Denotes concentrations above one or more criteria
* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlying clay unit. The depth to the bottom of the upper clay unit is approximately 3.5 feet below ground surface (ft bgs) at PRB-09s; 4.0 ft bgs at PRB-06s; 5.0 ft bgs at PRB-08s, PRB-08d, and PRB-10s; 6.5 ft bgs at PRB-01s, PRB-02s, PRB-04s, and PRB-04d; 7.0 ft bgs at PRB-05s and PRB-07s; and 8.0 ft bgs at PRB-03s.
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) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which were published by USEPA on September 28, 2011.
4) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.

Table 8
Summary of Detected Volatile Organic Compounds at PRB Performance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		Acetone(2)	2-Butanone	Benzene(2)	Chloroethane	Chloroform	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1-Dichloro-ethene(2)	cis-1,2-Dichloro-ethene	trans-1,2-Dichloro-ethene	Ethyl-benzene(2)	Isopropyl-benzene	n-Propyl Benzene(2)	1,1,1,2-Tetrachloro-ethane	Tetrachloro-ethene	Toluene(2)	1,1,1-Tri-chloroethane	1,1,2-Tri-chloroethane	Trichloro-ethene	1,2,4-Tri-methyl-benzene	Vinyl Chloride	Total Xylenes(2)
Residential Health-Based DW Criteria		730	13,000	5.0	430	80	880	5.0	7.0	70	100	700	800	80	77	5.0	1,000	200	5.0	5.0	1,000	2.0	10,000
Non-Residential Health-Based DW Criteria		2,100	38,000	5.0	1,700	80	2,500	5.0	7.0	70	100	700	2,300	230	320	5.0	1,000	200	5.0	5.0	2,900	2.0	10,000
GSI Criteria		1,700	2,200	200(1)	1,100(1)	350	740	360(1)	130	620	1,500(1)	18	28	NC	NC	60(1)	270	89	330(1)	200(1)	17	13(1)	41
Residential GWSLs for Vapor Intrusion		8.2E+06	4.3E+06	27	44,000	140	4,300	41	370	83	360	700	10	92	69	94	36,000	17,000	96	9.8	1,700	2.8	10,000
Non-Residential GWSLs for Vapor Intrusion		3.4E+07	1.8E+07	140	1.8E+05	720	18,000	210	1,600	350	1,500	2,600	53	390	350	460	1.5E+05	71,000	480	41	7,300	52	10,000
Groundwater Contact Criteria		3.1E+07	2.4E+08	11,000	4.4E+05	1.5E+05	2.4E+06	19,000	11,000	2.0E+05	2.2E+05	1.7E+05	56,000	15,000	30,000	12,000	5.3E+05	1.3E+06	21,000	13,000(3)	56,000	1,000	1.9E+05
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PRB-06s (6-11') Depth to Groundwater* Approx. 6.0 - 6.5'	8/11/2011	<1,000	**3,600**	<50	<250	<50	**360**	<50	<50	**4,200**	<50	<50	<50	<50	<50	<50	<50	<50	<50	**310**	<50	<50	<150
	10/6/2011	<1,000	**5,800**	<50	<250	<50	**260**	<50	<50	**6,000**	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	**71**	<150
	1/12/2012	<200	**940**	<10	**81**	<10	<10	<10	<10	**300**	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	**35**	<30
	4/10/2012	**24**	**130**	**1.0**	**71**	<1.0	<1.0	<1.0	<1.0	**35**	**2.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.7**	<1.0	**18**	<3.0
	7/12/2012	<100	**480**	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<15
	10/9/2012	<100	**170**	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**450**	<5.0	<5.0	<5.0	<5.0	<5.0	<15
	3/5/2013	<100	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**340**	<5.0	<5.0	<5.0	<5.0	<5.0	<15
	6/7/2013	<100	**38**	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**6.4**	<5.0	<5.0	<5.0	<5.0	**440**	<5.0	<5.0	<5.0	<5.0	<5.0	<15
	8/27/2013	<100	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**8.0**	<5.0	<5.0	<5.0	<5.0	**450**	<5.0	<5.0	<5.0	<5.0	<5.0	<15
	11/14/2013	<100	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**370**	<5.0	<5.0	**7.4**	<5.0	<5.0	<15
	5/29/2014	<50	**42**	<2.5	<12	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**3.7**	<2.5	<2.5	<2.5	<2.5	**310**	<2.5	<2.5	**3.5**	<2.5	<2.5	<7.5
	11/25/2014	<50	**71**	<2.5	<12	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**3.7**	<2.5	<2.5	<2.5	<2.5	**250**	<2.5	<2.5	<2.5	<2.5	<2.5	<7.5
	4/21/2015	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.4**	<1.0	<1.0	<1.0	<1.0	**130**	<1.0	<1.0	**1.1**	<1.0	<1.0	<3.0
	4/25/2016	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**7.9**	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
	11/30/2016	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.1**	<1.0	<1.0	<1.0	<1.0	**4.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
PRB-07s (7-12') Depth to Groundwater* Approx. 5.5 - 6.5'	8/10/2011	<200	**120**	<10	<50	<10	<10	<10	<10	**880**	<10	<10	<10	<10	<10	<10	<10	**100**	<10	**1,200**	<10	<10	<30
	10/7/2011	<200	<50	<10	<50	<10	**16**	<10	**10**	**790**	**18**	<10	<10	<10	<10	<10	<10	**130**	<10	**1,400**	<10	<10	<30
	1/11/2012	<200	<50	<10	<50	<10	<10	<10	<10	**510**	<10	<10	<10	<10	<10	<10	<10	**92**	<10	**1,300**	<10	<10	<30
	4/10/2012	<200	<50	<10	<50	<10	<10	<10	<10	**260**	**28**	<10	<10	<10	<10	<10	<10	**56**	<10	**1,100**	<10	<10	<30
	7/16/2012	<200	<50	<10	<50	<10	<10	<10	<10	**200**	**50**	<10	<10	<10	<10	<10	<10	**45**	<10	**1,300**	<10	<10	<30
	10/4/2012	<200	<50	<10	<50	<10	<10	<10	<10	**150**	**41**	<10	<10	<10	<10	<10	<10	**17**	<10	**750**	<10	<10	<30
	3/4/2013	<100	<25	<5.0	<25	<5.0	**7.9**	<5.0	<5.0	**100**	**11**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**7.6**	<5.0	**480**	<5.0	<5.0	<15
	6/6/2013	<100	**50**	<5.0	<25	<5.0	**5.6**	<5.0	<5.0	**570**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**16**	<5.0	**370**	<5.0	**38**	<15
	8/26/2013	<100	<25	<5.0	<25	<5.0	**7.0**	<5.0	<5.0	**240**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**16**	<5.0	**450**	<5.0	**17**	<15
	11/15/2013	<100	<25	<5.0	<25	<5.0	**6.6**	<5.0	<5.0	**74**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**37**	<5.0	**550**	<5.0	**8.4**	<15
	5/28/2014	<100	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	**45**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**38**	<5.0	**730**	<5.0	**6.4**	<15
	11/25/2014	<100	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	**79**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**21**	<5.0	**610**	<5.0	**14**	<15
	4/22/2015	<100	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	**59**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**29**	<5.0	**630**	<5.0	**14**	<15
	4/25/2016	<100	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	**53**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**17**	<5.0	**410**	<5.0	**6.6**	<15
	12/1/2016	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**14**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**4.8**	<1.0	**130**	<1.0	**3.6**	<3.0

Notes:
Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.
ug/L = micrograms per liter
NC = No criteria
Bold font denotes concentrations detected above laboratory reporting limits
Denotes concentrations above one or more criteria
* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlying clay unit. The depth to the bottom of the upper clay unit is approximately 3.5 feet below ground surface (ft bgs) at PRB-09s; 4.0 ft bgs at PRB-06s; 5.0 ft bgs at PRB-08s, PRB-08d, and PRB-10s; 6.5 ft bgs at PRB-01s, PRB-02s, PRB-04s, and PRB-04d; 7.0 ft bgs at PRB-05s and PRB-07s; and 8.0 ft bgs at PRB-03s.
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) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which were published by USEPA on September 28, 2011.
4) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.

Table 8
Summary of Detected Volatile Organic Compounds at PRB Performance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		Acetone(2)	2-Butanone	Benzene(2)	Chloroethane	Chloroform	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1-Dichloro-ethene(2)	cis-1,2-Dichloro-ethene	trans-1,2-Dichloro-ethene	Ethyl-benzene(2)	Isopropyl-benzene	n-Propyl Benzene(2)	1,1,1,2-Tetrachloro-ethane	Tetrachloro-ethene	Toluene(2)	1,1,1-Tri-chloroethane	1,1,2-Tri-chloroethane	Trichloro-ethene	1,2,4-Tri-methyl-benzene	Vinyl Chloride	Total Xylenes(2)
Residential Health-Based DW Criteria		730	13,000	5.0	430	80	880	5.0	7.0	70	100	700	800	80	77	5.0	1,000	200	5.0	5.0	1,000	2.0	10,000
Non-Residential Health-Based DW Criteria		2,100	38,000	5.0	1,700	80	2,500	5.0	7.0	70	100	700	2,300	230	320	5.0	1,000	200	5.0	5.0	2,900	2.0	10,000
GSI Criteria		1,700	2,200	200(1)	1,100(1)	350	740	360(1)	130	620	1,500(1)	18	28	NC	NC	60(1)	270	89	330(1)	200(1)	17	13(1)	41
Residential GWSLs for Vapor Intrusion		8.2E+06	4.3E+06	27	44,000	140	4,300	41	370	83	360	700	10	92	69	94	36,000	17,000	96	9.8	1,700	2.8	10,000
Non-Residential GWSLs for Vapor Intrusion		3.4E+07	1.8E+07	140	1.8E+05	720	18,000	210	1,600	350	1,500	2,600	53	390	350	460	1.5E+05	71,000	480	41	7,300	52	10,000
Groundwater Contact Criteria		3.1E+07	2.4E+08	11,000	4.4E+05	1.5E+05	2.4E+06	19,000	11,000	2.0E+05	2.2E+05	1.7E+05	56,000	15,000	30,000	12,000	5.3E+05	1.3E+06	21,000	13,000(3)	56,000	1,000	1.9E+05
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PRB-08s (6-11') Depth to Groundwater* Approx. 6.0 - 7.0'	8/10/2011	**83**	**39**	<1.0	<5.0	<1.0	**11**	<1.0	**1.0**	**84**	**9.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**5.3**	<1.0	**31**	<3.0
	10/7/2011	**240**	**300**	<2.5	<12	<2.5	**7.3**	<2.5	<2.5	**77**	**9.2**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**24**	<7.5
	1/11/2012	<20	<5.0	<1.0	<5.0	<1.0	**2.0**	<1.0	<1.0	**35**	**4.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**10**	<3.0
	4/10/2012	<20	<5.0	<1.0	<5.0	<1.0	**1.3**	<1.0	<1.0	**18**	**2.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**4.5**	<3.0
	7/13/2012	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**11**	**1.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.8**	<3.0
	10/4/2012	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**11**	**1.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.2**	<3.0
	3/5/2013	<20	<5.0	<1.0	<5.0	<1.0	**3.6**	<1.0	<1.0	**27**	**3.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.9**	<3.0
	6/6/2013	<20	<5.0	<1.0	<5.0	<1.0	**6.9**	<1.0	<1.0	**50**	**6.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.0**	<3.0
	8/26/2013	<20	<5.0	<1.0	<5.0	<1.0	**6.9**	<1.0	<1.0	**65**	**7.8**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.5**	<3.0
	11/15/2013	<20	<5.0	<1.0	<5.0	<1.0	**5.3**	<1.0	<1.0	**62**	**7.8**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.3**	<3.0
	5/28/2014	<20	<5.0	<1.0	<5.0	<1.0	**4.0**	<1.0	<1.0	**13**	**1.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.3**	<3.0
	11/25/2014	<20	<5.0	<1.0	<5.0	<1.0	**5.3**	<1.0	<1.0	**14**	**1.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.2**	<3.0
	4/22/2015	<20	<5.0	<1.0	<5.0	<1.0	**4.4**	**1.0**	<1.0	**12**	**1.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.1**	<3.0
	12/7/2015	<20	<5.0	<1.0	<5.0	<1.0	**3.5**	**1.4**	<1.0	**4.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.6**	<3.0
	4/22/2016	<20	<5.0	<1.0	<5.0	<1.0	**4.6**	**1.2**	<1.0	**6.9**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**	<1.0	<1.0	<1.0	<3.0
	12/1/2016	<20	<5.0	<1.0	<5.0	<1.0	**3.7**	**2.0**	**1.3**	**8.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**4.2**	<1.0	<1.0	<1.0	<3.0
	5/17/2017	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.8**	**2.7**	<1.0	<1.0	<3.0
PRB-08d (18.5-23.5') Depth to Groundwater* Approx. 6.0 - 7.0'	8/10/2011	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**14**	<3.0
	10/7/2011	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.6**	<3.0
	1/11/2012	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**3.2**	<3.0
	4/10/2012	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**5.1**	<3.0
	7/13/2012	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**11**	<3.0
	10/4/2012	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**23**	<3.0
	3/5/2013	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**37**	<3.0
	6/6/2013	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**37**	<3.0
	8/26/2013	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**46**	<3.0
	11/15/2013	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**44**	<3.0
	5/28/2014	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**49**	<3.0
	11/25/2014	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**36**	<3.0
	4/22/2015	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**28**	<3.0
	12/7/2015	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**39**	<3.0
	4/22/2016	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**24**	<3.0
	12/1/2016	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**40**	<3.0
	5/17/2017	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**28**	<3.0

Notes:
Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.
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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) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which were published by USEPA on September 28, 2011.
4) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.

Table 8
Summary of Detected Volatile Organic Compounds at PRB Performance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		Acetone(2)	2-Butanone	Benzene(2)	Chloroethane	Chloroform	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1-Dichloro-ethene(2)	cis-1,2-Dichloro-ethene	trans-1,2-Dichloro-ethene	Ethyl-benzene(2)	Isopropyl-benzene	n-Propyl Benzene(2)	1,1,1,2-Tetrachloro-ethane	Tetrachloro-ethene	Toluene(2)	1,1,1-Tri-chloroethane	1,1,2-Tri-chloroethane	Trichloro-ethene	1,2,4-Tri-methyl-benzene	Vinyl Chloride	Total Xylenes(2)
Residential Health-Based DW Criteria		730	13,000	5.0	430	80	880	5.0	7.0	70	100	700	800	80	77	5.0	1,000	200	5.0	5.0	1,000	2.0	10,000
Non-Residential Health-Based DW Criteria		2,100	38,000	5.0	1,700	80	2,500	5.0	7.0	70	100	700	2,300	230	320	5.0	1,000	200	5.0	5.0	2,900	2.0	10,000
GSI Criteria		1,700	2,200	200(1)	1,100(1)	350	740	360(1)	130	620	1,500(1)	18	28	NC	NC	60(1)	270	89	330(1)	200(1)	17	13(1)	41
Residential GWSLs for Vapor Intrusion		8.2E+06	4.3E+06	27	44,000	140	4,300	41	370	83	360	700	10	92	69	94	36,000	17,000	96	9.8	1,700	2.8	10,000
Non-Residential GWSLs for Vapor Intrusion		3.4E+07	1.8E+07	140	1.8E+05	720	18,000	210	1,600	350	1,500	2,600	53	390	350	460	1.5E+05	71,000	480	41	7,300	52	10,000
Groundwater Contact Criteria		3.1E+07	2.4E+08	11,000	4.4E+05	1.5E+05	2.4E+06	19,000	11,000	2.0E+05	2.2E+05	1.7E+05	56,000	15,000	30,000	12,000	5.3E+05	1.3E+06	21,000	13,000(3)	56,000	1,000	1.9E+05
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PRB-09s (5-10') Depth to Groundwater* Approx. 6.5 - 7.5'	8/11/2011	**4,200**	**8,200**	<100	<500	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<300
	10/6/2011	**13,000**	**17,000**	<100	<500	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	**110**	<100	<100	<100	<100	<100	<300
	1/12/2012	<200	**68**	<10	<50	<10	<10	<10	<10	**14**	<10	<10	<10	<10	<10	<10	**1,400**	<10	<10	<10	<10	<10	<30
	2/9/2012	<200	**200**	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	**1,600**	<10	<10	<10	<10	<10	<30
	4/9/2012	<200	<50	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	**2,000**	<10	<10	<10	<10	<10	<30
	7/13/2012	<400	<100	<20	<100	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	**2,000**	<20	<20	<20	<20	<20	<60
	10/9/2012	<100	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**610**	<5.0	<5.0	<5.0	<5.0	<5.0	<15
	3/5/2013	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.9**	<1.0	<1.0	<1.0	<1.0	**54**	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
	6/7/2013	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**3.2**	<1.0	<1.0	<1.0	<1.0	**160**	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
	8/27/2013	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**3.2**	<1.0	<1.0	<1.0	<1.0	**32**	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
	11/14/2013	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.4**	<1.0	<1.0	<1.0	<1.0	**8.8**	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
	5/30/2014	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.0**	<1.0	<1.0	<1.0	<1.0	**18**	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
	11/25/2014	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.4**	<1.0	<1.0	<1.0	<1.0	**3.8**	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
	4/20/2015	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.7**	<1.0	<1.0	<1.0	<1.0	**2.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
	4/25/2016	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.3**	<1.0	<1.0	<1.0	<1.0	**2.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
	11/30/2016	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.1**	<1.0	<1.0	<1.0	<1.0	**1.0**	<1.0	<1.0	**13**	<1.0	<1.0	<3.0
PRB-10s (6-11') Depth to Groundwater* Approx. 7.0 - 8.0'	8/11/2011	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**11**	**1.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
	10/6/2011	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**16**	**2.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
	1/12/2012	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**42**	**4.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
	4/9/2012	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**26**	**3.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
	7/13/2012	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**17**	**2.8**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
	10/9/2012	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**5.9**	**1.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
	3/5/2013	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**15**	**2.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
	6/6/2013	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**31**	**4.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
	8/27/2013	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**57**	**7.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
	11/14/2013	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**40**	**5.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
	5/30/2014	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**31**	**4.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
	11/26/2014	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**16**	**2.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
	4/20/2015	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**8.0**	**1.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
	4/25/2016	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**25**	**3.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
	11/30/2016	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**23**	**3.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0

Notes:
Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.
ug/L = micrograms per liter
NC = No criteria
Bold font denotes concentrations detected above laboratory reporting limits
Denotes concentrations above one or more criteria
* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlying clay unit. The depth to the bottom of the upper clay unit is approximately 3.5 feet below ground surface (ft bgs) at PRB-09s; 4.0 ft bgs at PRB-06s; 5.0 ft bgs at PRB-08s, PRB-08d, and PRB-10s; 6.5 ft bgs at PRB-01s, PRB-02s, PRB-04s, and PRB-04d; 7.0 ft bgs at PRB-05s and PRB-07s; and 8.0 ft bgs at PRB-03s.
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) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which were published by USEPA on September 28, 2011.
4) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.

Table 8
Summary of Detected Volatile Organic Compounds at PRB Performance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		Acetone(2)	2-Butanone	Benzene(2)	Chloroethane	Chloroform	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1-Dichloro-ethene(2)	cis-1,2-Dichloro-ethene	trans-1,2-Dichloro-ethene	Ethyl-benzene(2)	Isopropyl-benzene	n-Propyl Benzene(2)	1,1,1,2-Tetrachloro-ethane	Tetrachloro-ethene	Toluene(2)	1,1,1-Tri-chloroethane	1,1,2-Tri-chloroethane	Trichloro-ethene	1,2,4-Tri-methyl-benzene	Vinyl Chloride	Total Xylenes(2)
Residential Health-Based DW Criteria		730	13,000	5.0	430	80	880	5.0	7.0	70	100	700	800	80	77	5.0	1,000	200	5.0	5.0	1,000	2.0	10,000
Non-Residential Health-Based DW Criteria		2,100	38,000	5.0	1,700	80	2,500	5.0	7.0	70	100	700	2,300	230	320	5.0	1,000	200	5.0	5.0	2,900	2.0	10,000
GSI Criteria		1,700	2,200	200(1)	1,100(1)	350	740	360(1)	130	620	1,500(1)	18	28	NC	NC	60(1)	270	89	330(1)	200(1)	17	13(1)	41
Residential GWSLs for Vapor Intrusion		8.2E+06	4.3E+06	27	44,000	140	4,300	41	370	83	360	700	10	92	69	94	36,000	17,000	96	9.8	1,700	2.8	10,000
Non-Residential GWSLs for Vapor Intrusion		3.4E+07	1.8E+07	140	1.8E+05	720	18,000	210	1,600	350	1,500	2,600	53	390	350	460	1.5E+05	71,000	480	41	7,300	52	10,000
Groundwater Contact Criteria		3.1E+07	2.4E+08	11,000	4.4E+05	1.5E+05	2.4E+06	19,000	11,000	2.0E+05	2.2E+05	1.7E+05	56,000	15,000	30,000	12,000	5.3E+05	1.3E+06	21,000	13,000(3)	56,000	1,000	1.9E+05
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PRB-11s (15-20') Depth to Groundwater Approx. 15.5 - 16.5'	8/10/2011	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**3.4**	<1.0	<1.0	<3.0
	10/6/2011	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.5**	<1.0	<1.0	<3.0
	1/11/2012	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.7**	<1.0	<1.0	<3.0
	4/9/2012	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.4**	<1.0	<1.0	<3.0
	7/16/2012	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.4**	<1.0	<1.0	<3.0
	10/11/2012	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0
	3/4/2013	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.3**	<1.0	<1.0	<3.0
	6/7/2013	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**	<1.0	<1.0	<3.0
	8/26/2013	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.5**	<1.0	<1.0	<3.0
	11/15/2013	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.5**	<1.0	<1.0	<3.0
	5/29/2014	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.4**	<1.0	<1.0	<3.0
	11/26/2014	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.4**	<1.0	<1.0	<3.0
	4/22/2015	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.4**	<1.0	<1.0	<3.0
	12/7/2015	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.6**	<1.0	<1.0	<3.0
	4/21/2016	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**	<1.0	<1.0	<3.0
	12/1/2016	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.3**	<1.0	<1.0	<3.0
	12/1/2016	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.3**	<1.0	<1.0	<3.0
PRB-12s (15-20') Depth to Groundwater Approx. 15.5 - 16.5'	8/11/2011	<200	<50	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	**17**	<10	**33**	<10	**1,100**	<10	<10	<30
	10/7/2011	<200	<50	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	**17**	<10	**35**	<10	**1,300**	<10	<10	<30
	1/12/2012	<200	<50	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	**14**	<10	**26**	<10	**950**	<10	<10	<30
	4/9/2012	<200	<50	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	**12**	<10	**25**	<10	**850**	<10	<10	<30
	7/12/2012	<200	<50	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	**14**	<10	**27**	**10**	**1,200**	<10	<10	<30
	10/11/2012	<200	**84**	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	**16**	<10	**30**	<10	**1,600**	<10	<10	<30
	3/5/2013	<200	<50	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	**12**	<10	**21**	<10	**840**	<10	<10	<30
	6/5/2013	<200	<50	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	**12**	<10	**19**	<10	**950**	<10	<10	<30
	8/27/2013	<200	<50	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	**13**	<10	**24**	<10	**1,200**	<10	<10	<30
	11/13/2013	<200	<50	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	**16**	<10	**25**	<10	**1,200**	<10	<10	<30
	5/29/2014	<200	<50	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	**11**	<10	**26**	<10	**870**	<10	<10	<30
	11/26/2014	<200	<50	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	**12**	<10	**30**	<10	**1,100**	<10	<10	<30
	4/21/2015	<200	<50	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	**32**	<10	**910**	<10	<10	<30
	4/20/2016	<200	<50	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	**11**	<10	**21**	<10	**770**	<10	<10	<30
	12/1/2016	<200	<50	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	**10**	<10	**30**	<10	**730**	<10	<10	<30
	5/15/2017	<100	<25	<5.0	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**7.8**	<5.0	**20**	<5.0	**570**	<5.0	<5.0	<15

Notes:

Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.

ug/L = micrograms per liter

NC = No criteria

Bold font denotes concentrations detected above laboratory reporting limits

Denotes concentrations above one or more criteria

* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlying clay unit. The depth to the bottom of the upper clay unit is approximately 3.5 feet below ground surface (ft bgs) at PRB-09s; 4.0 ft bgs at PRB-06s; 5.0 ft bgs at PRB-08s, PRB-08d, and PRB-10s; 6.5 ft bgs at PRB-01s, PRB-02s, PRB-04s, and PRB-04d; 7.0 ft bgs at PRB-05s and PRB-07s; and 8.0 ft bgs at PRB-03s.

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) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which were published by USEPA on September 28, 2011.

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

Table 8
Summary of Detected Volatile Organic Compounds at PRB Performance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		Acetone[2]	2-Butanone	Benzene[2]	Chloroethane	Chloroform	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1-Dichloro-ethene[2]	cis-1,2-Dichloro-ethene	trans-1,2-Dichloro-ethene	Ethyl-benzene[2]	Isopropyl-benzene	n-Propyl Benzene[2]	1,1,1,2-Tetrachloro-ethane	Tetrachloro-ethene	Toluene[2]	1,1,1-Tri-chloroethane	1,1,2-Tri-chloroethane	Trichloro-ethene	1,2,4-Tri-methyl-benzene	Vinyl Chloride	Total Xylenes[2]
Residential Health-Based DW Criteria		730	13,000	5.0	430	80	880	5.0	7.0	70	100	700	800	80	77	5.0	1,000	200	5.0	5.0	1,000	2.0	10,000
Non-Residential Health-Based DW Criteria		2,100	38,000	5.0	1,700	80	2,500	5.0	7.0	70	100	700	2,300	230	320	5.0	1,000	200	5.0	5.0	2,900	2.0	10,000
GSI Criteria		1,700	2,200	200[1]	1,100[1]	350	740	360[1]	130	620	1,500[1]	18	28	NC	NC	60[1]	270	89	330[1]	200[1]	17	13[1]	41
Residential GWSLs for Vapor Intrusion		8.2E+06	4.3E+06	27	44,000	140	4,300	41	370	83	360	700	10	92	69	94	36,000	17,000	96	9.8	1,700	2.8	10,000
Non-Residential GWSLs for Vapor Intrusion		3.4E+07	1.8E+07	140	1.8E+05	720	18,000	210	1,600	350	1,500	2,600	53	390	350	460	1.5E+05	71,000	480	41	7,300	52	10,000
Groundwater Contact Criteria		3.1E+07	2.4E+08	11,000	4.4E+05	1.5E+05	2.4E+06	19,000	11,000	2.0E+05	2.2E+05	1.7E+05	56,000	15,000	30,000	12,000	5.3E+05	1.3E+06	21,000	13,000[3]	56,000	1,000	1.9E+05
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PRB-13s (19-24') Depth to Groundwater Approx. 18.0 - 19.0'	8/11/2011	<200	<50	<10	<50	<10	<10	<10	<10	**12**	<10	<10	<10	<10	<10	<10	<10	**380**	<10	**550**	<10	**14**	<30
	10/6/2011	<500	<120	<25	<120	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	**1,100**	<25	**2,700**	<25	<25	<75
	1/12/2012	<500	<120	<25	<120	<25	<25	<25	<25	**25**	<25	<25	<25	<25	<25	<25	<25	**1,200**	<25	**2,800**	<25	<25	<75
	4/3/2012	<500	<120	<25	<120	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	**1,100**	<25	**2,500**	<25	<25	<75
	7/12/2012	<400	<100	<20	<100	<20	<20	<20	**23**	<20	<20	<20	<20	<20	<20	<20	<20	**1,200**	<20	**2,900**	<20	**20**	<60
	10/11/2012	<400	**110**	<20	<100	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	**1,200**	<20	**3,100**	<20	<20	<60
	3/5/2013	<400	**110**	<20	<100	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	**1,300**	<20	**3,200**	<20	<20	<60
	6/5/2013	<400	<100	<20	<100	<20	<20	<20	<20	**20**	<20	<20	<20	<20	<20	<20	<20	**1,200**	<20	**2,700**	<20	<20	<60
	8/27/2013	<400	<100	<20	<100	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	**1,100**	<20	**2,800**	<20	<20	<60
	11/13/2013	<400	<100	<20	<100	<20	<20	<20	<20	**20**	<20	<20	<20	<20	<20	<20	<20	**1,200**	<20	**2,500**	<20	<20	<60
	5/29/2014	<400	<100	<20	<100	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	**1,200**	<20	**2,400**	<20	<20	<60
	11/26/2014	<400	<100	<20	<100	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	**1,000**	<20	**2,700**	<20	**29**	<60
	4/21/2015	<400	<100	<20	<100	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	**1,300**	<20	**2,700**	<20	**20**	<60
	4/20/2016	<400	<100	<20	<100	<20	<20	<20	**21**	**20**	<20	<20	<20	<20	<20	<20	<20	**850**	<20	**2,200**	<20	<20	<60
	12/1/2016	<400	<100	<20	<100	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	**770**	<20	**2,000**	<20	<20	<60
PRB-14s (19.5-24.5') Depth to Groundwater 17.0 - 18.0'	8/11/2011	<400	<100	<20	<100	<20	<20	<20	<20	**65**	<20	<20	<20	<20	<20	<20	<20	**910**	<20	**3,000**	<20	**62**	<60
	10/6/2011	<400	<100	<20	<100	<20	<20	<20	<20	**48**	<20	<20	<20	<20	<20	<20	<20	**1,100**	<20	**3,300**	<20	**65**	<60
	1/12/2012	<400	<100	<20	<100	<20	<20	<20	<20	**53**	<20	<20	<20	<20	<20	<20	<20	**1,000**	<20	**3,200**	<20	**57**	<60
	4/3/2012	<400	<100	<20	<100	<20	<20	<20	<20	**29**	<20	<20	<20	<20	<20	<20	<20	**990**	<20	**2,700**	<20	**32**	<60
	7/12/2012	<400	<100	<20	<100	<20	<20	<20	<20	**33**	<20	<20	<20	<20	<20	<20	<20	**1,200**	<20	**3,100**	<20	**43**	<60
	10/11/2012	<400	**120**	<20	<100	<20	<20	<20	<20	**35**	<20	<20	<20	<20	<20	<20	<20	**1,300**	<20	**3,500**	<20	**45**	<60
	3/5/2013	<400	**120**	<20	<100	<20	<20	<20	<20	**29**	<20	<20	<20	<20	<20	<20	<20	**1,100**	<20	**3,200**	<20	**41**	<60
	6/5/2013	<400	<100	<20	<100	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	**1,200**	<20	**2,700**	<20	<20	<60
	8/27/2013	<400	<100	<20	<100	<20	<20	<20	<20	**29**	<20	<20	<20	<20	<20	<20	<20	**1,100**	<20	**3,100**	<20	**31**	<60
	11/13/2013	<400	<100	<20	<100	<20	<20	<20	<20	**25**	<20	<20	<20	<20	<20	<20	<20	**1,100**	<20	**2,600**	<20	**25**	<60
	5/29/2014	<400	<100	<20	<100	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	**1,000**	<20	**2,800**	<20	**42**	<60
	11/26/2014	<400	<100	<20	<100	<20	<20	<20	<20	**43**	<20	<20	<20	<20	<20	<20	<20	**920**	<20	**2,900**	<20	**56**	<60
	4/21/2015	<400	<100	<20	<100	<20	<20	<20	<20	**20**	<20	<20	<20	<20	<20	<20	<20	**1,200**	<20	**2,900**	<20	**40**	<60
	4/20/2016	<400	<100	<20	<100	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	**870**	<20	**2,300**	<20	**36**	<60
	12/1/2016	<400	<100	<20	<100	<20	<20	<20	**21**	<20	<20	<20	<20	<20	<20	<20	<20	**930**	<20	**2,400**	<20	<20	<60

Notes:
Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.
ug/L = micrograms per liter
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Bold font denotes concentrations detected above laboratory reporting limits
Denotes concentrations above one or more criteria
* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlying clay unit. The depth to the bottom of the upper clay unit is approximately 3.5 feet below ground surface (ft bgs) at PRB-09s; 4.0 ft bgs at PRB-06s; 5.0 ft bgs at PRB-08s, PRB-08d, and PRB-10s; 6.5 ft bgs at PRB-01s, PRB-02s, PRB-04s, and PRB-04d; 7.0 ft bgs at PRB-05s and PRB-07s; and 8.0 ft bgs at PRB-03s.
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) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which were published by USEPA on September 28, 2011.
4) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.

Table 8
Summary of Detected Volatile Organic Compounds at PRB Performance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		Acetone(2)	2-Butanone	Benzene(2)	Chloroethane	Chloroform	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1-Dichloro-ethene(2)	cis-1,2-Dichloro-ethene	trans-1,2-Dichloro-ethene	Ethyl-benzene(2)	Isopropyl-benzene	n-Propyl Benzene(2)	1,1,1,2-Tetrachloro-ethane	Tetrachloro-ethene	Toluene(2)	1,1,1-Tri-chloroethane	1,1,2-Tri-chloroethane	Trichloro-ethene	1,2,4-Tri-methyl-benzene	Vinyl Chloride	Total Xylenes(2)
Residential Health-Based DW Criteria		730	13,000	5.0	430	80	880	5.0	7.0	70	100	700	800	80	77	5.0	1,000	200	5.0	5.0	1,000	2.0	10,000
Non-Residential Health-Based DW Criteria		2,100	38,000	5.0	1,700	80	2,500	5.0	7.0	70	100	700	2,300	230	320	5.0	1,000	200	5.0	5.0	2,900	2.0	10,000
GSI Criteria		1,700	2,200	200(1)	1,100(1)	350	740	360(1)	130	620	1,500(1)	18	28	NC	NC	60(1)	270	89	330(1)	200(1)	17	13(1)	41
Residential GWSLs for Vapor Intrusion		8.2E+06	4.3E+06	27	44,000	140	4,300	41	370	83	360	700	10	92	69	94	36,000	17,000	96	9.8	1,700	2.8	10,000
Non-Residential GWSLs for Vapor Intrusion		3.4E+07	1.8E+07	140	1.8E+05	720	18,000	210	1,600	350	1,500	2,600	53	390	350	460	1.5E+05	71,000	480	41	7,300	52	10,000
Groundwater Contact Criteria		3.1E+07	2.4E+08	11,000	4.4E+05	1.5E+05	2.4E+06	19,000	11,000	2.0E+05	2.2E+05	1.7E+05	56,000	15,000	30,000	12,000	5.3E+05	1.3E+06	21,000	13,000(3)	56,000	1,000	1.9E+05
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PRB-15s (15-20') Depth to Groundwater 16.0 - 17.0'	8/11/2011	<400	<100	<20	<100	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	**1,200**	<20	**2,500**	<20	<20	<60
	10/6/2011	<400	<100	<20	<100	<20	<20	<20	<20	**20**	<20	<20	<20	<20	<20	<20	<20	**1,200**	<20	**2,700**	<20	<20	<60
	1/12/2012	<400	<100	<20	<100	<20	<20	<20	<20	**21**	<20	<20	<20	<20	<20	<20	<20	**850**	<20	**1,900**	<20	<20	<60
	4/9/2012	<400	<100	<20	<100	<20	<20	<20	<20	**1,700**	<20	<20	<20	<20	<20	<20	<20	**730**	<20	**1,800**	<20	<20	<60
	7/12/2012	<400	<100	<20	<100	<20	<20	<20	<20	**460**	<20	<20	<20	<20	<20	<20	<20	**580**	<20	**2,300**	<20	<20	<60
	10/11/2012	<400	**120**	<20	<100	<20	<20	<20	<20	**880**	<20	<20	<20	<20	<20	<20	<20	**750**	<20	**2,700**	<20	<20	<60
	3/5/2013	<400	**110**	<20	<100	<20	<20	<20	<20	**120**	<20	<20	<20	<20	<20	<20	<20	**570**	<20	**1,800**	<20	<20	<60
	6/5/2013	<400	<100	<20	<100	<20	<20	<20	<20	**130**	<20	<20	<20	<20	<20	<20	<20	**260**	<20	**1,600**	<20	<20	<60
	8/27/2013	<400	<100	<20	<100	<20	<20	<20	<20	**100**	<20	<20	<20	<20	<20	<20	<20	**280**	<20	**1,800**	<20	<20	<60
	11/14/2013	<400	<100	<20	<100	<20	<20	<20	<20	**46**	<20	<20	<20	<20	<20	<20	<20	**720**	<20	**1,500**	<20	<20	<60
	5/29/2014	<200	<50	<10	<50	<10	<10	<10	<10	**41**	<10	<10	<10	<10	<10	<10	<10	**350**	<10	**1,500**	<10	<10	<30
	11/26/2014	<200	<50	<10	<50	<10	<10	<10	<10	**28**	<10	<10	<10	<10	<10	<10	<10	**500**	<10	**1,900**	<10	<10	<30
	4/21/2015	<400	<100	<20	<100	<20	<20	<20	<20	**24**	<20	<20	<20	<20	<20	<20	<20	**570**	<20	**2,000**	<20	<20	<60
	12/4/2015	<500	<120	<25	<120	<25	<25	<25	<25	**28**	<25	<25	<25	<25	<25	<25	<25	**420**	<25	**2,100**	<25	<25	<75
	4/20/2016	<400	<100	<20	<100	<20	<20	<20	<20	**21**	<20	<20	<20	<20	<20	<20	<20	**340**	<20	**1,700**	<20	<20	<60
	12/1/2016	<400	<100	<20	<100	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	**360**	<20	**1,800**	<20	<20	<60
PRB-15d (29-34') Depth to Groundwater 16.0 - 17.0'	8/11/2011	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.9**	<1.0	<1.0	<3.0
	10/6/2011	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**5.8**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.3**	<1.0	**13**	<1.0	**1.9**	<3.0
	1/12/2012	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**3.9**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**5.4**	<1.0	**28**	<1.0	**1.2**	<3.0
	4/9/2012	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**6.9**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**5.0**	<1.0	**24**	<1.0	**2.0**	<3.0
	7/12/2012	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**2.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**3.7**	<1.0	**19**	<1.0	<1.0	<3.0
	10/11/2012	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**3.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**5.2**	<1.0	**26**	<1.0	<1.0	<3.0
	3/5/2013	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**3.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**5.0**	<1.0	**32**	<1.0	<1.0	<3.0
	6/5/2013	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**2.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**3.7**	<1.0	**19**	<1.0	<1.0	<3.0
	8/27/2013	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**4.0**	<1.0	**21**	<1.0	<1.0	<3.0
	11/14/2013	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.9**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**6.6**	<1.0	**26**	<1.0	<1.0	<3.0
	5/29/2014	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**6.5**	<1.0	<1.0	<3.0
	11/26/2014	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**4.4**	<1.0	<1.0	<3.0
	4/21/2015	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.1**	<3.0
	12/4/2015	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**3.3**	<3.0
	4/20/2016	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**4.1**	<1.0	**13**	<1.0	**6.5**	<3.0
	12/1/2016	<20	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**	<1.0	**11**	<3.0

Notes:

Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.

ug/L = micrograms per liter

NC = No criteria

Bold font denotes concentrations detected above laboratory reporting limits

Denotes concentrations above one or more criteria

* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlying clay unit. The depth to the bottom of the upper clay unit is approximately 3.5 feet below ground surface (ft bgs) at PRB-09s; 4.0 ft bgs at PRB-06s; 5.0 ft bgs at PRB-08s, PRB-08d, and PRB-10s; 6.5 ft bgs at PRB-01s, PRB-02s, PRB-04s, and PRB-04d; 7.0 ft bgs at PRB-05s and PRB-07s; and 8.0 ft bgs at PRB-03s.

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) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which were published by USEPA on September 28, 2011.

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

Table 8
Summary of Detected Volatile Organic Compounds at PRB Performance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		Acetone[2]	2-Butanone	Benzene[2]	Chloroethane	Chloroform	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1-Dichloro-ethene[2]	cis-1,2-Dichloro-ethene	trans-1,2-Dichloro-ethene	Ethyl-benzene[2]	Isopropyl-benzene	n-Propyl Benzene[2]	1,1,1,2-Tetrachloro-ethane	Tetrachloro-ethene	Toluene[2]	1,1,1-Tri-chloroethane	1,1,2-Tri-chloroethane	Trichloro-ethene	1,2,4-Tri-methyl-benzene	Vinyl Chloride	Total Xylenes[2]
Residential Health-Based DW Criteria		730	13,000	5.0	430	80	880	5.0	7.0	70	100	700	800	80	77	5.0	1,000	200	5.0	5.0	1,000	2.0	10,000
Non-Residential Health-Based DW Criteria		2,100	38,000	5.0	1,700	80	2,500	5.0	7.0	70	100	700	2,300	230	320	5.0	1,000	200	5.0	5.0	2,900	2.0	10,000
GSI Criteria		1,700	2,200	200[1]	1,100[1]	350	740	360[1]	130	620	1,500[1]	18	28	NC	NC	60[1]	270	89	330[1]	200[1]	17	13[1]	41
Residential GWSLs for Vapor Intrusion		8.2E+06	4.3E+06	27	44,000	140	4,300	41	370	83	360	700	10	92	69	94	36,000	17,000	96	9.8	1,700	2.8	10,000
Non-Residential GWSLs for Vapor Intrusion		3.4E+07	1.8E+07	140	1.8E+05	720	18,000	210	1,600	350	1,500	2,600	53	390	350	460	1.5E+05	71,000	480	41	7,300	52	10,000
Groundwater Contact Criteria		3.1E+07	2.4E+08	11,000	4.4E+05	1.5E+05	2.4E+06	19,000	11,000	2.0E+05	2.2E+05	1.7E+05	56,000	15,000	30,000	12,000	5.3E+05	1.3E+06	21,000	13,000[3]	56,000	1,000	1.9E+05
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PRB-16s (5-10') Depth to Groundwater 6.5 - 7.5'	8/6/2012	<20	<5.0	<1.0	<5.0	<1.0	**5.3**	<1.0	**1.4**	**51**	**4.8**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**5.5**	**3.5**	<1.0	<1.0	<3.0
	10/9/2012	<20	<5.0	<1.0	<5.0	<1.0	**3.8**	<1.0	**1.1**	**31**	**2.8**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**5.5**	**4.6**	<1.0	<1.0	<3.0
	3/27/2013	<20	<5.0	<1.0	<5.0	<1.0	**3.6**	<1.0	**1.1**	**29**	**3.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.0**	**2.8**	**12**	<1.0	<1.0	<3.0
	6/6/2013	<20	<5.0	<1.0	<5.0	<1.0	**4.4**	<1.0	**1.3**	**32**	**2.9**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**3.1**	**11**	<1.0	<1.0	<3.0
	8/27/2013	<20	<5.0	<1.0	<5.0	<1.0	**7.9**	<1.0	**1.9**	**28**	**2.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**5.2**	**21**	<1.0	<1.0	<3.0
	11/14/2013	<20	<5.0	<1.0	<5.0	<1.0	**12**	<1.0	**2.9**	**28**	**2.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**5.0**	**21**	<1.0	<1.0	<3.0
	5/30/2014	<20	<5.0	<1.0	<5.0	<1.0	**8.2**	<1.0	**3.0**	**19**	**1.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**4.5**	**25**	<1.0	<1.0	<3.0
	12/1/2014	<20	<5.0	<1.0	<5.0	<1.0	**9.9**	<1.0	**5.2**	**28**	**2.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**9.1**	**66**	<1.0	<1.0	<3.0
	4/20/2015	<20	<5.0	<1.0	<5.0	<1.0	**9.7**	<1.0	**5.3**	**26**	**2.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**9.6**	**91**	<1.0	<1.0	<3.0
	4/20/2016	<20	<5.0	<1.0	<5.0	<1.0	**7.3**	<1.0	**4.2**	**22**	**2.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**3.9**	**7.6**	**150**	<1.0	<1.0	<3.0
	12/2/2016[4]	<50	<12	<2.5	<12	<2.5	**6.0**	<2.5	**3.4**	**17**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**6.4**	**8.1**	**280**	<2.5	<2.5	<7.5

Notes:
Health-Based Residential and Non-Residential Drinking Water (DW) Criteria and Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Groundwater Contact (GC) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, September 28, 2012. Groundwater Screening Levels (GWSLs) for Vapor Intrusion were taken from the MDEQ Guidance Document for the Vapor Intrusion Pathway, May 2013.
ug/L = micrograms per liter
NC = No criteria
Bold font denotes concentrations detected above laboratory reporting limits
Denotes concentrations above one or more criteria
* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlying clay unit. The depth to the bottom of the upper clay unit is approximately 3.5 feet below ground surface (ft bgs) at PRB-09s; 4.0 ft bgs at PRB-06s; 5.0 ft bgs at PRB-08s, PRB-08d, and PRB-10s; 6.5 ft bgs at PRB-01s, PRB-02s, PRB-04s, and PRB-04d; 7.0 ft bgs at PRB-05s and PRB-07s; and 8.0 ft bgs at PRB-03s.
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) At the request of USEPA, a site-specific groundwater contact criteria for trichloroethene (TCE) was recalculated to reflect revised TCE toxicity data which were published by USEPA on September 28, 2011.
4) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.

Table 9
Summary of Chlorinated Volatile Organic Compounds and 1,4-Dioxane at Surface Water Sample Locations
Tecumseh Products Company
Tecumseh, Michigan

Analyte		1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride	1,4-Dioxane
GSI Criteria		740	360[2]	130	620	1,500[2]	60[2]	89	200[2]	13[2]	2,800[2]
Human Non-Cancer Value (Non-Drink)		4.0E+05	4.2E+05	33,000	36,000	19,000	1,800	1.3E+06	550	4,400	3.2E+05
Human Cancer Value (Non-Drink)		NC	360	NC	NC	NC	60	NC	370	13	2,800
Final Chronic Value		740	2,000	130	620	1,500	190	89	200	930	22,000
Aquatic Maximum Value		6,600	8,200	1,200	5,500	14,000	1,400	800	1,800	8,400	2.0E+05
Final Acute Value		13,000	16,000	2,300	11,000	28,000	2,900	1,600	3,500	17,000	3.9E+05
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PW-01	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25
	7/26/2016	<1.0	<1.0	<1.0	**1.1**	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	11/29/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
PW-01 (DUP-01)	11/29/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
PW-02	4/4/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25
	7/26/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	11/29/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
PW-03	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25
	7/26/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	11/29/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
PW-03 (DUP-01)	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25
PW-04	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25
	7/26/2016	<1.0	<1.0	<1.0	**1.1**	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	11/29/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
PW-04 (DUP-01)	7/26/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
PW-05	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25
	7/26/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	11/29/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
PW-06	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25
	7/26/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	11/29/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
PW-07	4/4/2016	**5.2**	<1.0	<1.0	**18**	**1.1**	<1.0	<1.0	**3.1**	**10**	<25
	7/26/2016	**4.6**	<1.0	<1.0	**44**	**1.4**	<1.0	<1.0	**5.6**	**20**	NA
	11/29/2016	**3.3**	<1.0	<1.0	**35**	<1.0	<1.0	<1.0	**8.1**	**9.1**	NA
SEEP	4/3/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	7/10/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	10/4/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	6/12/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	11/12/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	5/22/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	11/11/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	5/19/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	12/2/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	4/22/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	11/29/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA

Notes:

Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Human Non-Cancer Values (HNV), Human Cancer Values (HCV), Final Chronic Values (FCV), Aquatic Maximum Values (AMV) and Final Acute Values (FAV) from MDEQ Surface Water Assessment Rule 57 Water Quality Values, September 7, 2012.

ug/L = micrograms per liter

NC = No criteria

NA = Not analyzed

-- = No data

Bold font denotes concentrations detected above laboratory reporting limits

Denotes concentrations above one or more criteria

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

2) 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.

3) Frozen, no sample collected.

Table 9
Summary of Chlorinated Volatile Organic Compounds and 1,4-Dioxane at Surface Water Sample Locations
Tecumseh Products Company
Tecumseh, Michigan

Analyte		1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene[1]	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride	1,4-Dioxane
GSI Criteria		740	360[2]	130	620	1,500[2]	60[2]	89	200[2]	13[2]	2,800[2]
Human Non-Cancer Value (Non-Drink)		4.0E+05	4.2E+05	33,000	36,000	19,000	1,800	1.3E+06	550	4,400	3.2E+05
Human Cancer Value (Non-Drink)		NC	360	NC	NC	NC	60	NC	370	13	2,800
Final Chronic Value		740	2,000	130	620	1,500	190	89	200	930	22,000
Aquatic Maximum Value		6,600	8,200	1,200	5,500	14,000	1,400	800	1,800	8,400	2.0E+05
Final Acute Value		13,000	16,000	2,300	11,000	28,000	2,900	1,600	3,500	17,000	3.9E+05
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SP-01	4/22/2016	**6.6**	<1.0	<1.0	**560**	**8.5**	<1.0	**11**	**61**	<1.0	<25
	7/26/2016	<5.0	<5.0	<5.0	**620**	<5.0	<5.0	**5.0**	**83**	<5.0	<1.0
	11/29/2016	<25	<25	<25	**3,300**	**28**	<25	<25	**790**	<25	<1.0
	5/16/2017	<20	<20	<20	**1,700**	<20	<20	<20	**600**	<20	NA
SP-02	4/22/2016	**16**	<1.0	**2.1**	**1,600**	**15**	<1.0	**16**	**1,000**	<1.0	<25
	7/26/2016	**9.8**	<5.0	<5.0	**120**	<5.0	<5.0	**24**	**710**	<5.0	**2.8**
	11/29/2016	**21**	<10	<10	**330**	<10	<10	**57**	**1,400**	<10	<1.0
	5/16/2017	**16**	<10	<10	**250**	<10	<10	**49**	**1,200**	<10	NA
SP-03	4/22/2016	**9.5**	<1.0	<1.0	**74**	**1.8**	<1.0	**23**	**360**	<1.0	<25
	7/26/2016	**4.8**	<2.5	<2.5	**69**	<2.5	<2.5	**13**	**300**	<2.5	**2.5**
	11/29/2016	**9.9**	<5.0	<5.0	**110**	<5.0	<5.0	**25**	**470**	<5.0	<1.0
	5/16/2017	**14**	<10	<10	**170**	<10	<10	**52**	**1,000**	<10	NA
WL-01	4/6/2010	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	6/18/2010	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	9/8/2010	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	12/10/2010[3]	--	--	--	--	--	--	--	--	--	--
	2/25/2011[3]	--	--	--	--	--	--	--	--	--	--
	5/11/2011	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	1/5/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	4/2/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	7/3/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	10/3/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	5/29/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	3/28/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	5/22/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	11/11/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	5/19/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	4/22/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	11/29/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA

Notes:
Groundwater/Surface Water Interface (GSI) Criteria from MDEQ RRD Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, December 30, 2013. Human Non-Cancer Values (HNV), Human Cancer Values (HCV), Final Chronic Values (FCV), Aquatic Maximum Values (AMV) and Final Acute Values (FAV) from MDEQ Surface Water Assessment Rule 57 Water Quality Values, September 7, 2012.

ug/L = micrograms per liter

NC = No criteria

NA = Not analyzed

-- = No data

Bold font denotes concentrations detected above laboratory reporting limits

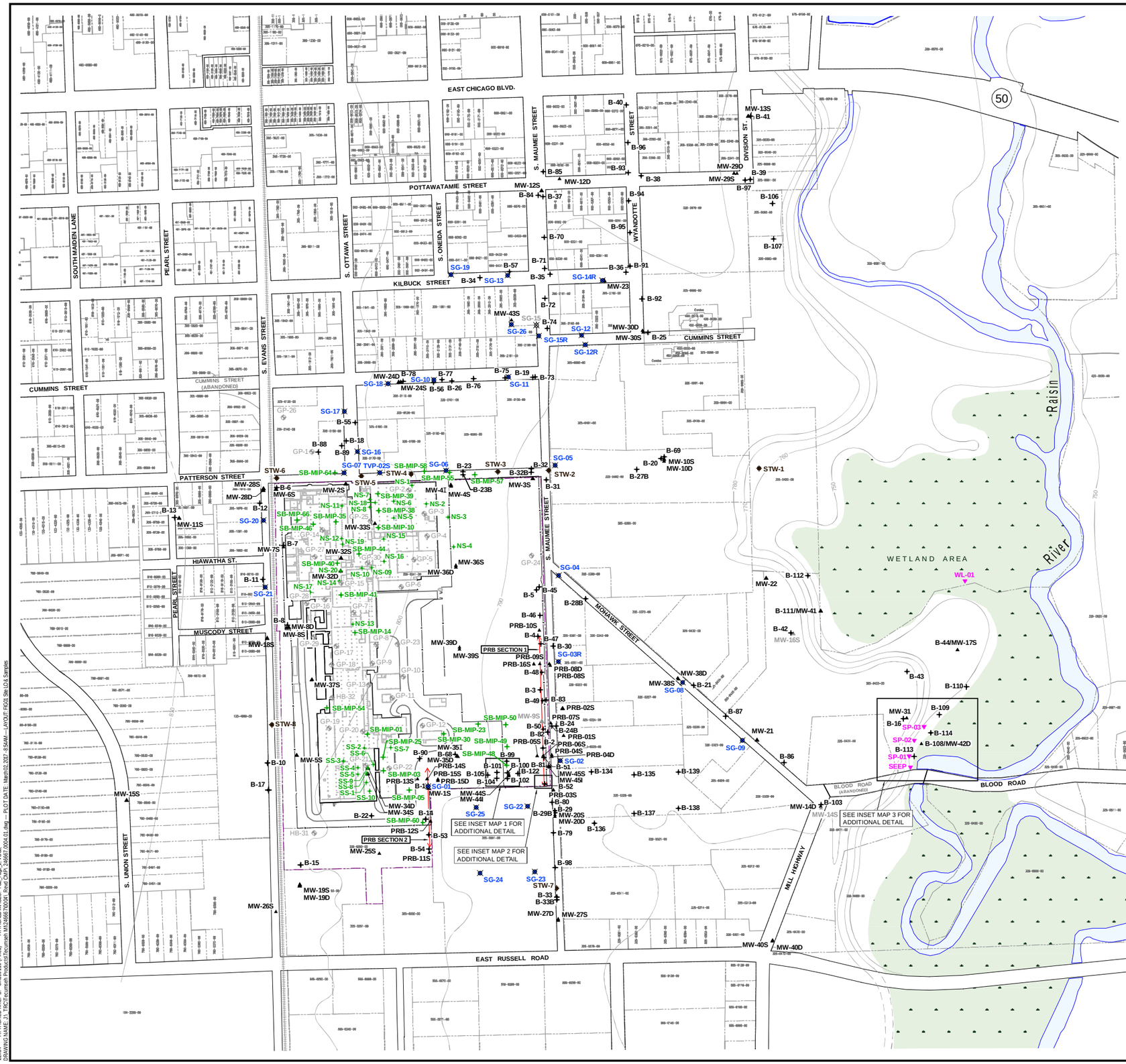
Denotes concentrations above one or more criteria

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

2) 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.

3) Frozen, no sample collected.

Figure

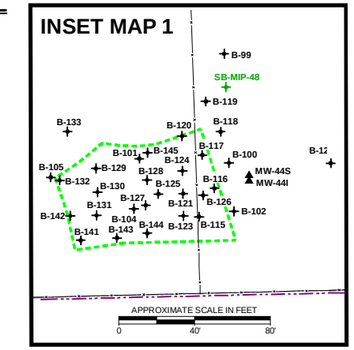


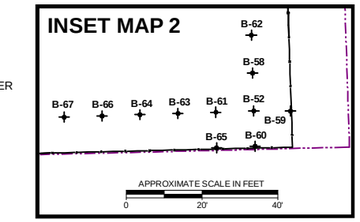
LEGEND

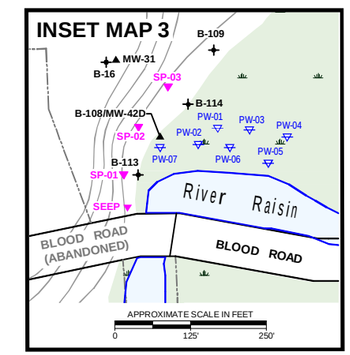
- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- PARCEL BOUNDARY
- RAILROAD TRACKS (APPROXIMATE LOCATION)
- 750 — APPROXIMATE GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP
- B-2 — PERIMETER / OFF-SITE INVESTIGATION SOIL BORING LOCATION AND NUMBER
- MW-4S — MONITORING WELL LOCATION AND NUMBER
- MW-9S — DECOMMISSIONED MONITORING WELL LOCATION AND NUMBER
- SS-2 — SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
- SG-02 — SOIL GAS SAMPLE LOCATION AND NUMBER
- SG-15 — DECOMMISSIONED SOIL GAS SAMPLE LOCATION AND NUMBER
- STW-2 — STORM WATER SEWER SAMPLE LOCATION AND NUMBER
- WL-01 — APPROXIMATE SURFACE WATER SAMPLE LOCATION AND NUMBER
- PW-03 — PORE WATER SAMPLE LOCATION AND NUMBER
- GP-2 — ATC PHASE II ESA BORING LOCATION AND NUMBER
- FLOODPLAIN / WOODED WETLAND AREA
- PRB LOCATION
- FENCE LINE
- LATERAL EXTENT OF PCE SOIL SOURCE REMOVED (SEE INSET MAP 1)

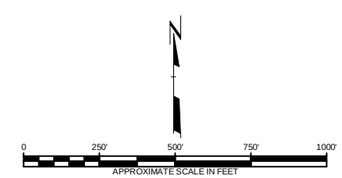
NOTES

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.
3. SURFACE WATER FEATURES TAKEN FROM GEOREFERENCED HIGH RESOLUTION GOOGLE EARTH IMAGERY, DATED APRIL 2013. FEATURES SHOWN ARE APPROXIMATE.
4. SITE FEATURES LOCATED HORIZONTALLY USING THE STATE PLANE COORDINATE SYSTEM RELATIVE TO THE NORTH AMERICAN DATUM OF 1983 (NAD83), INTERNATIONAL FEET, MICHIGAN ZONE SOUTH.
5. ON-SITE SAMPLE DENSITY IS TOO GREAT TO ILLUSTRATE ALL ON-SITE SAMPLE LOCATIONS. SEE FIGURE 12 OF THE REVISED CORRECTIVE MEASURES PROPOSAL FOR AN ON-SITE SAMPLE LOCATION MAP.









NO.	BY	DATE	REVISION	APP'D.
2	DGS	02/13/17	ADD 2016 MONITORING WELLS, PCE EXCAVATION AREA, NOTE 5	SEM
1	DGS	5/18/16	ADD B-134 THROUGH B-139, ADJUST RIVER LOCATION	SEM

PROJECT:
FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN

TITLE:
SITE LAYOUT AND OFF-SITE SAMPLE LOCATIONS

DRAWN BY:	DStehle	PROJ. NO.:	246667.0004
CHECKED BY:	SMetz		**FIGURE 1**
APPROVED BY:	GCrockford		
DATE:	FEBRUARY 2017		

TRC
1540 Eisenhower Place
Ann Arbor, MI 48108
Phone: 734.971.7080
www.trcsolutions.com

FILE NO.: 246667.0004.01.DWG

22x34 -- ATTACHED XREF'S: bnd10110 (Filled) -- ATTACHED IMAGES: TQE_Page 1; VOCs
DRAWING NAME: J:\TRC\Tecumseh Products\Tecumseh MI\246667\0004.01.dwg -- PLOT DATE: March02, 2017 - 8:54AM -- LAYOUT: FIG01 Site LO & Samples

Attachment 1
Analytical Data

May 25, 2017

TRC Companies. - Ann Arbor Office
Attn: Ms. Stacy Metz
1540 Eisenhower Place
Ann Arbor, MI 48108

Project: Tecumseh Products Groundwater

Dear Ms. Stacy Metz,

Enclosed is a copy of the laboratory report for the following work order(s) received by Pace Analytical:

Work Order	**Received**	**Description**
1705391	05/18/2017	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 Program (NELAP) and/or one of the following certification programs:

ANAB DoD-ELAP/ISO17025 (#ADE-1542); Arkansas DEP (#88-0730/13-049-0); Georgia EPD (#026-999-161/1023062); Illinois DEP (#200026/003329); Kentucky DEP (AL123065/#0021); Michigan DPH (#0034); Minnesota DPH (#026-999-161/1023062); New York ELAP (#11776/53116); North Carolina DNRE (#659); Virginia DCLS (#460153/7952); Wisconsin DNR (#999472650); USDA Soil Import Permit (#P330-14-00305).

Any qualification or narration of results, including sample acceptance requirements and test exceptions to the above referenced programs, is presented in the Statement of Data Qualifications and Project Technical Narrative sections of this report. Estimates of analytical uncertainties and certification documents 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 Manager III

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Individual sample results relate only to the sample tested.
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PROJECT TECHNICAL NARRATIVE(s)

Volatile Organic Compounds by EPA Method 8260B

Narrative: The corresponding CCV for this analytical batch had a recovery exceeding the upper control limit of the method. Non-detectable results are not qualified.

Analysis: USEPA-8260B

Sample/Analyte:	1705391-02	Dup-01	Carbon Disulfide
	1705391-04	MW-34s	Carbon Disulfide
	1705391-05	PRB-12s	Carbon Disulfide
	1705391-06	Dup-02	Carbon Disulfide
	1705391-16	MW-39s	Carbon Disulfide
	1705391-17	PRB-02s	Carbon Disulfide
	1705391-26	MW-04s	Carbon Disulfide
	1705391-28	Trip Blank #1	Carbon Disulfide
	1705391-29	SP-02	Carbon Disulfide
	1705391-30	SP-01	Carbon Disulfide
	1705391-31	SP-03	Carbon Disulfide

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STATEMENT OF DATA QUALIFICATIONS

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

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-43s**	Sampled:	05/15/17 09:38
Lab Sample ID:	**1705391-01**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 07:00 By: DLV
Dilution Factor:	2.5	Analyzed:	05/22/17 15:03 By: DLV
QC Batch:	1704836	Analytical Batch:	7E23010

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<50	50
107-13-1	Acrylonitrile	<5.0	5.0
71-43-2	Benzene	<2.5	2.5
108-86-1	Bromobenzene	<2.5	2.5
74-97-5	Bromochloromethane	<2.5	2.5
75-27-4	Bromodichloromethane	<2.5	2.5
75-25-2	Bromoform	<2.5	2.5
74-83-9	Bromomethane	<12	12
104-51-8	n-Butylbenzene	<2.5	2.5
135-98-8	sec-Butylbenzene	<2.5	2.5
98-06-6	tert-Butylbenzene	<2.5	2.5
75-15-0	Carbon Disulfide	<2.5	2.5
56-23-5	Carbon Tetrachloride	<2.5	2.5
108-90-7	Chlorobenzene	<2.5	2.5
75-00-3	Chloroethane	<12	12
67-66-3	Chloroform	<2.5	2.5
74-87-3	Chloromethane	<12	12
96-12-8	1,2-Dibromo-3-chloropropane	<12	12
124-48-1	Dibromochloromethane	<2.5	2.5
106-93-4	1,2-Dibromoethane	<2.5	2.5
74-95-3	Dibromomethane	<2.5	2.5
110-57-6	trans-1,4-Dichloro-2-butene	<2.5	2.5
95-50-1	1,2-Dichlorobenzene	<2.5	2.5
541-73-1	1,3-Dichlorobenzene	<2.5	2.5
106-46-7	1,4-Dichlorobenzene	<2.5	2.5
75-71-8	Dichlorodifluoromethane	<12	12
75-34-3	1,1-Dichloroethane	<2.5	2.5
107-06-2	1,2-Dichloroethane	<2.5	2.5
75-35-4	1,1-Dichloroethene	<2.5	2.5
156-59-2	cis-1,2-Dichloroethene	**200**	2.5
156-60-5	trans-1,2-Dichloroethene	**14**	2.5

Continued on next page

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-43s**	Sampled:	05/15/17 09:38
Lab Sample ID:	**1705391-01**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 07:00 By: DLV
Dilution Factor:	2.5	Analyzed:	05/22/17 15:03 By: DLV
QC Batch:	1704836	Analytical Batch:	7E23010

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
78-87-5	1,2-Dichloropropane	<2.5	2.5
10061-01-5	cis-1,3-Dichloropropene	<2.5	2.5
10061-02-6	trans-1,3-Dichloropropene	<2.5	2.5
100-41-4	Ethylbenzene	<2.5	2.5
60-29-7	Ethyl Ether	<12	12
591-78-6	2-Hexanone	<12	12
74-88-4	Iodomethane	<2.5	2.5
98-82-8	Isopropylbenzene	<2.5	2.5
99-87-6	4-Isopropyltoluene	<12	12
1634-04-4	Methyl tert-Butyl Ether	<12	12
75-09-2	Methylene Chloride	<12	12
78-93-3	2-Butanone (MEK)	<12	12
91-57-6	2-Methylnaphthalene	<12	12
108-10-1	4-Methyl-2-pentanone (MIBK)	<12	12
91-20-3	Naphthalene	<12	12
103-65-1	n-Propylbenzene	<2.5	2.5
100-42-5	Styrene	<2.5	2.5
630-20-6	1,1,1,2-Tetrachloroethane	<2.5	2.5
79-34-5	1,1,2,2-Tetrachloroethane	<2.5	2.5
127-18-4	Tetrachloroethene	<2.5	2.5
109-99-9	Tetrahydrofuran	<12	12
108-88-3	Toluene	<2.5	2.5
87-61-6	1,2,3-Trichlorobenzene	<12	12
120-82-1	1,2,4-Trichlorobenzene	<12	12
71-55-6	1,1,1-Trichloroethane	<2.5	2.5
79-00-5	1,1,2-Trichloroethane	<2.5	2.5
79-01-6	Trichloroethene	<2.5	2.5
75-69-4	Trichlorofluoromethane	<2.5	2.5
96-18-4	1,2,3-Trichloropropane	<2.5	2.5
95-63-6	1,2,4-Trimethylbenzene	<2.5	2.5
108-67-8	1,3,5-Trimethylbenzene	<2.5	2.5

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-43s**	Sampled:	05/15/17 09:38		
Lab Sample ID:	**1705391-01**	Sampled By:	TRC		
Matrix:	Water	Received:	05/18/17 17:24		
Unit:	ug/L	Prepared:	05/22/17 07:00	By:	DLV
Dilution Factor:	2.5	Analyzed:	05/22/17 15:03	By:	DLV
QC Batch:	1704836	Analytical Batch:	7E23010		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	<2.5	2.5
179601-23-1	Xylene, Meta + Para	<5.0	5.0
95-47-6	Xylene, Ortho	<2.5	2.5

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*98*	*85-118*
1,2-Dichloroethane-d4	*104*	*87-122*
Toluene-d8	*95*	*85-113*
4-Bromofluorobenzene	*95*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**Dup-01**	Sampled:	05/15/17 00:00
Lab Sample ID:	**1705391-02**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	5	Analyzed:	05/23/17 11:49 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

Volatile Organic Compounds by EPA Method 8260B

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

Continued on next page

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**Dup-01**	Sampled:	05/15/17 00:00
Lab Sample ID:	**1705391-02**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	5	Analyzed:	05/23/17 11:49 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
78-87-5	1,2-Dichloropropane	<5.0	5.0
10061-01-5	cis-1,3-Dichloropropene	<5.0	5.0
10061-02-6	trans-1,3-Dichloropropene	<5.0	5.0
100-41-4	Ethylbenzene	<5.0	5.0
60-29-7	Ethyl Ether	<25	25
591-78-6	2-Hexanone	<25	25
74-88-4	Iodomethane	<5.0	5.0
98-82-8	Isopropylbenzene	<5.0	5.0
99-87-6	4-Isopropyltoluene	<25	25
1634-04-4	Methyl tert-Butyl Ether	<25	25
75-09-2	Methylene Chloride	<25	25
78-93-3	2-Butanone (MEK)	<25	25
91-57-6	2-Methylnaphthalene	<25	25
108-10-1	4-Methyl-2-pentanone (MIBK)	<25	25
91-20-3	Naphthalene	<25	25
103-65-1	n-Propylbenzene	<5.0	5.0
100-42-5	Styrene	<5.0	5.0
630-20-6	1,1,1,2-Tetrachloroethane	<5.0	5.0
79-34-5	1,1,2,2-Tetrachloroethane	<5.0	5.0
127-18-4	Tetrachloroethene	<5.0	5.0
109-99-9	Tetrahydrofuran	<25	25
108-88-3	Toluene	<5.0	5.0
87-61-6	1,2,3-Trichlorobenzene	<25	25
120-82-1	1,2,4-Trichlorobenzene	<25	25
71-55-6	1,1,1-Trichloroethane	<5.0	5.0
79-00-5	1,1,2-Trichloroethane	<5.0	5.0
79-01-6	Trichloroethene	**430**	5.0
75-69-4	Trichlorofluoromethane	<5.0	5.0
96-18-4	1,2,3-Trichloropropane	<5.0	5.0
95-63-6	1,2,4-Trimethylbenzene	<5.0	5.0
108-67-8	1,3,5-Trimethylbenzene	<5.0	5.0

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**Dup-01**	Sampled:	05/15/17 00:00		
Lab Sample ID:	**1705391-02**	Sampled By:	TRC		
Matrix:	Water	Received:	05/18/17 17:24		
Unit:	ug/L	Prepared:	05/23/17 07:00	By:	DLV
Dilution Factor:	5	Analyzed:	05/23/17 11:49	By:	DLV
QC Batch:	1704885	Analytical Batch:	7E24013		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	<5.0	5.0
179601-23-1	Xylene, Meta + Para	<10	10
95-47-6	Xylene, Ortho	<5.0	5.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*95*	*85-118*
1,2-Dichloroethane-d4	*108*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*96*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-37s**	Sampled:	05/15/17 11:38
Lab Sample ID:	**1705391-03**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 07:00 By: DLV
Dilution Factor:	5	Analyzed:	05/22/17 15:52 By: DLV
QC Batch:	1704836	Analytical Batch:	7E23010

Volatile Organic Compounds by EPA Method 8260B

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

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-37s**	Sampled:	05/15/17 11:38
Lab Sample ID:	**1705391-03**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 07:00 By: DLV
Dilution Factor:	5	Analyzed:	05/22/17 15:52 By: DLV
QC Batch:	1704836	Analytical Batch:	7E23010

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
78-87-5	1,2-Dichloropropane	<5.0	5.0
10061-01-5	cis-1,3-Dichloropropene	<5.0	5.0
10061-02-6	trans-1,3-Dichloropropene	<5.0	5.0
100-41-4	Ethylbenzene	<5.0	5.0
60-29-7	Ethyl Ether	<25	25
591-78-6	2-Hexanone	<25	25
74-88-4	Iodomethane	<5.0	5.0
98-82-8	Isopropylbenzene	<5.0	5.0
99-87-6	4-Isopropyltoluene	<25	25
1634-04-4	Methyl tert-Butyl Ether	<25	25
75-09-2	Methylene Chloride	<25	25
78-93-3	2-Butanone (MEK)	<25	25
91-57-6	2-Methylnaphthalene	<25	25
108-10-1	4-Methyl-2-pentanone (MIBK)	<25	25
91-20-3	Naphthalene	<25	25
103-65-1	n-Propylbenzene	<5.0	5.0
100-42-5	Styrene	<5.0	5.0
630-20-6	1,1,1,2-Tetrachloroethane	<5.0	5.0
79-34-5	1,1,2,2-Tetrachloroethane	<5.0	5.0
127-18-4	Tetrachloroethene	<5.0	5.0
109-99-9	Tetrahydrofuran	<25	25
108-88-3	Toluene	<5.0	5.0
87-61-6	1,2,3-Trichlorobenzene	<25	25
120-82-1	1,2,4-Trichlorobenzene	<25	25
71-55-6	1,1,1-Trichloroethane	<5.0	5.0
79-00-5	1,1,2-Trichloroethane	<5.0	5.0
79-01-6	Trichloroethene	**460**	5.0
75-69-4	Trichlorofluoromethane	<5.0	5.0
96-18-4	1,2,3-Trichloropropane	<5.0	5.0
95-63-6	1,2,4-Trimethylbenzene	<5.0	5.0
108-67-8	1,3,5-Trimethylbenzene	<5.0	5.0

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-37s**	Sampled:	05/15/17 11:38		
Lab Sample ID:	**1705391-03**	Sampled By:	TRC		
Matrix:	Water	Received:	05/18/17 17:24		
Unit:	ug/L	Prepared:	05/22/17 07:00	By:	DLV
Dilution Factor:	5	Analyzed:	05/22/17 15:52	By:	DLV
QC Batch:	1704836	Analytical Batch:	7E23010		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	<5.0	5.0
179601-23-1	Xylene, Meta + Para	<10	10
95-47-6	Xylene, Ortho	<5.0	5.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*96*	*85-118*
1,2-Dichloroethane-d4	*105*	*87-122*
Toluene-d8	*97*	*85-113*
4-Bromofluorobenzene	*94*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-34s**	Sampled:	05/15/17 12:25
Lab Sample ID:	**1705391-04**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	10	Analyzed:	05/23/17 12:14 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

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	**26**	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	**15**	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:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-34s**	Sampled:	05/15/17 12:25
Lab Sample ID:	**1705391-04**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	10	Analyzed:	05/23/17 12:14 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

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	**1100**	10
79-00-5	1,1,2-Trichloroethane	<10	10
79-01-6	Trichloroethene	**850**	10
75-69-4	Trichlorofluoromethane	<10	10
96-18-4	1,2,3-Trichloropropane	<10	10
95-63-6	1,2,4-Trimethylbenzene	<10	10
108-67-8	1,3,5-Trimethylbenzene	<10	10

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-34s**	Sampled:	05/15/17 12:25
Lab Sample ID:	**1705391-04**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	10	Analyzed:	05/23/17 12:14 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	<10	10
179601-23-1	Xylene, Meta + Para	<20	20
95-47-6	Xylene, Ortho	<10	10

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*101*	*85-118*
1,2-Dichloroethane-d4	*106*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*94*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**PRB-12s**	Sampled:	05/15/17 13:16
Lab Sample ID:	**1705391-05**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	5	Analyzed:	05/23/17 12:38 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

Volatile Organic Compounds by EPA Method 8260B

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

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**PRB-12s**	Sampled:	05/15/17 13:16
Lab Sample ID:	**1705391-05**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	5	Analyzed:	05/23/17 12:38 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
78-87-5	1,2-Dichloropropane	<5.0	5.0
10061-01-5	cis-1,3-Dichloropropene	<5.0	5.0
10061-02-6	trans-1,3-Dichloropropene	<5.0	5.0
100-41-4	Ethylbenzene	<5.0	5.0
60-29-7	Ethyl Ether	<25	25
591-78-6	2-Hexanone	<25	25
74-88-4	Iodomethane	<5.0	5.0
98-82-8	Isopropylbenzene	<5.0	5.0
99-87-6	4-Isopropyltoluene	<25	25
1634-04-4	Methyl tert-Butyl Ether	<25	25
75-09-2	Methylene Chloride	<25	25
78-93-3	2-Butanone (MEK)	<25	25
91-57-6	2-Methylnaphthalene	<25	25
108-10-1	4-Methyl-2-pentanone (MIBK)	<25	25
91-20-3	Naphthalene	<25	25
103-65-1	n-Propylbenzene	<5.0	5.0
100-42-5	Styrene	<5.0	5.0
630-20-6	1,1,1,2-Tetrachloroethane	<5.0	5.0
79-34-5	1,1,2,2-Tetrachloroethane	<5.0	5.0
127-18-4	Tetrachloroethene	**7.8**	5.0
109-99-9	Tetrahydrofuran	<25	25
108-88-3	Toluene	<5.0	5.0
87-61-6	1,2,3-Trichlorobenzene	<25	25
120-82-1	1,2,4-Trichlorobenzene	<25	25
71-55-6	1,1,1-Trichloroethane	**20**	5.0
79-00-5	1,1,2-Trichloroethane	<5.0	5.0
79-01-6	Trichloroethene	**570**	5.0
75-69-4	Trichlorofluoromethane	<5.0	5.0
96-18-4	1,2,3-Trichloropropane	<5.0	5.0
95-63-6	1,2,4-Trimethylbenzene	<5.0	5.0
108-67-8	1,3,5-Trimethylbenzene	<5.0	5.0

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**PRB-12s**	Sampled:	05/15/17 13:16
Lab Sample ID:	**1705391-05**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	5	Analyzed:	05/23/17 12:38 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	<5.0	5.0
179601-23-1	Xylene, Meta + Para	<10	10
95-47-6	Xylene, Ortho	<5.0	5.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*97*	*85-118*
1,2-Dichloroethane-d4	*106*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*93*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**Dup-02**	Sampled:	05/15/17 00:00
Lab Sample ID:	**1705391-06**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	25	Analyzed:	05/23/17 13:03 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<500	500
107-13-1	Acrylonitrile	<50	50
71-43-2	Benzene	<25	25
108-86-1	Bromobenzene	<25	25
74-97-5	Bromochloromethane	<25	25
75-27-4	Bromodichloromethane	<25	25
75-25-2	Bromoform	<25	25
74-83-9	Bromomethane	<120	120
104-51-8	n-Butylbenzene	<25	25
135-98-8	sec-Butylbenzene	<25	25
98-06-6	tert-Butylbenzene	<25	25
75-15-0	Carbon Disulfide	<25	25
56-23-5	Carbon Tetrachloride	<25	25
108-90-7	Chlorobenzene	<25	25
75-00-3	Chloroethane	<120	120
67-66-3	Chloroform	<25	25
74-87-3	Chloromethane	<120	120
96-12-8	1,2-Dibromo-3-chloropropane	<120	120
124-48-1	Dibromochloromethane	<25	25
106-93-4	1,2-Dibromoethane	<25	25
74-95-3	Dibromomethane	<25	25
110-57-6	trans-1,4-Dichloro-2-butene	<25	25
95-50-1	1,2-Dichlorobenzene	<25	25
541-73-1	1,3-Dichlorobenzene	<25	25
106-46-7	1,4-Dichlorobenzene	<25	25
75-71-8	Dichlorodifluoromethane	<120	120
75-34-3	1,1-Dichloroethane	<25	25
107-06-2	1,2-Dichloroethane	<25	25
75-35-4	1,1-Dichloroethene	**66**	25
156-59-2	cis-1,2-Dichloroethene	<25	25
156-60-5	trans-1,2-Dichloroethene	<25	25

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**Dup-02**	Sampled:	05/15/17 00:00
Lab Sample ID:	**1705391-06**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	25	Analyzed:	05/23/17 13:03 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
78-87-5	1,2-Dichloropropane	<25	25
10061-01-5	cis-1,3-Dichloropropene	<25	25
10061-02-6	trans-1,3-Dichloropropene	<25	25
100-41-4	Ethylbenzene	<25	25
60-29-7	Ethyl Ether	<120	120
591-78-6	2-Hexanone	<120	120
74-88-4	Iodomethane	<25	25
98-82-8	Isopropylbenzene	<25	25
99-87-6	4-Isopropyltoluene	<120	120
1634-04-4	Methyl tert-Butyl Ether	<120	120
75-09-2	Methylene Chloride	<120	120
78-93-3	2-Butanone (MEK)	<120	120
91-57-6	2-Methylnaphthalene	<120	120
108-10-1	4-Methyl-2-pentanone (MIBK)	<120	120
91-20-3	Naphthalene	<120	120
103-65-1	n-Propylbenzene	<25	25
100-42-5	Styrene	<25	25
630-20-6	1,1,1,2-Tetrachloroethane	<25	25
79-34-5	1,1,2,2-Tetrachloroethane	<25	25
127-18-4	Tetrachloroethene	<25	25
109-99-9	Tetrahydrofuran	<120	120
108-88-3	Toluene	<25	25
87-61-6	1,2,3-Trichlorobenzene	<120	120
120-82-1	1,2,4-Trichlorobenzene	<120	120
71-55-6	1,1,1-Trichloroethane	**2900**	25
79-00-5	1,1,2-Trichloroethane	<25	25
79-01-6	Trichloroethene	**2400**	25
75-69-4	Trichlorofluoromethane	<25	25
96-18-4	1,2,3-Trichloropropane	<25	25
95-63-6	1,2,4-Trimethylbenzene	<25	25
108-67-8	1,3,5-Trimethylbenzene	<25	25

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**Dup-02**	Sampled:	05/15/17 00:00
Lab Sample ID:	**1705391-06**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	25	Analyzed:	05/23/17 13:03 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	<25	25
179601-23-1	Xylene, Meta + Para	<50	50
95-47-6	Xylene, Ortho	<25	25

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*100*	*85-118*
1,2-Dichloroethane-d4	*108*	*87-122*
Toluene-d8	*97*	*85-113*
4-Bromofluorobenzene	*95*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-35i**	Sampled:	05/15/17 13:57
Lab Sample ID:	**1705391-07**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 07:00 By: DLV
Dilution Factor:	25	Analyzed:	05/22/17 17:31 By: DLV
QC Batch:	1704836	Analytical Batch:	7E23010

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<500	500
107-13-1	Acrylonitrile	<50	50
71-43-2	Benzene	<25	25
108-86-1	Bromobenzene	<25	25
74-97-5	Bromochloromethane	<25	25
75-27-4	Bromodichloromethane	<25	25
75-25-2	Bromoform	<25	25
74-83-9	Bromomethane	<120	120
104-51-8	n-Butylbenzene	<25	25
135-98-8	sec-Butylbenzene	<25	25
98-06-6	tert-Butylbenzene	<25	25
75-15-0	Carbon Disulfide	<25	25
56-23-5	Carbon Tetrachloride	<25	25
108-90-7	Chlorobenzene	<25	25
75-00-3	Chloroethane	<120	120
67-66-3	Chloroform	<25	25
74-87-3	Chloromethane	<120	120
96-12-8	1,2-Dibromo-3-chloropropane	<120	120
124-48-1	Dibromochloromethane	<25	25
106-93-4	1,2-Dibromoethane	<25	25
74-95-3	Dibromomethane	<25	25
110-57-6	trans-1,4-Dichloro-2-butene	<25	25
95-50-1	1,2-Dichlorobenzene	<25	25
541-73-1	1,3-Dichlorobenzene	<25	25
106-46-7	1,4-Dichlorobenzene	<25	25
75-71-8	Dichlorodifluoromethane	<120	120
75-34-3	1,1-Dichloroethane	<25	25
107-06-2	1,2-Dichloroethane	<25	25
75-35-4	1,1-Dichloroethene	**66**	25
156-59-2	cis-1,2-Dichloroethene	<25	25
156-60-5	trans-1,2-Dichloroethene	<25	25

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-35i**	Sampled:	05/15/17 13:57
Lab Sample ID:	**1705391-07**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 07:00 By: DLV
Dilution Factor:	25	Analyzed:	05/22/17 17:31 By: DLV
QC Batch:	1704836	Analytical Batch:	7E23010

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
78-87-5	1,2-Dichloropropane	<25	25
10061-01-5	cis-1,3-Dichloropropene	<25	25
10061-02-6	trans-1,3-Dichloropropene	<25	25
100-41-4	Ethylbenzene	<25	25
60-29-7	Ethyl Ether	<120	120
591-78-6	2-Hexanone	<120	120
74-88-4	Iodomethane	<25	25
98-82-8	Isopropylbenzene	<25	25
99-87-6	4-Isopropyltoluene	<120	120
1634-04-4	Methyl tert-Butyl Ether	<120	120
75-09-2	Methylene Chloride	<120	120
78-93-3	2-Butanone (MEK)	<120	120
91-57-6	2-Methylnaphthalene	<120	120
108-10-1	4-Methyl-2-pentanone (MIBK)	<120	120
91-20-3	Naphthalene	<120	120
103-65-1	n-Propylbenzene	<25	25
100-42-5	Styrene	<25	25
630-20-6	1,1,1,2-Tetrachloroethane	<25	25
79-34-5	1,1,2,2-Tetrachloroethane	<25	25
127-18-4	Tetrachloroethene	<25	25
109-99-9	Tetrahydrofuran	<120	120
108-88-3	Toluene	<25	25
87-61-6	1,2,3-Trichlorobenzene	<120	120
120-82-1	1,2,4-Trichlorobenzene	<120	120
71-55-6	1,1,1-Trichloroethane	**2900**	25
79-00-5	1,1,2-Trichloroethane	<25	25
79-01-6	Trichloroethene	**2400**	25
75-69-4	Trichlorofluoromethane	<25	25
96-18-4	1,2,3-Trichloropropane	<25	25
95-63-6	1,2,4-Trimethylbenzene	<25	25
108-67-8	1,3,5-Trimethylbenzene	<25	25

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-35i**	Sampled:	05/15/17 13:57
Lab Sample ID:	**1705391-07**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 07:00 By: DLV
Dilution Factor:	25	Analyzed:	05/22/17 17:31 By: DLV
QC Batch:	1704836	Analytical Batch:	7E23010

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	<25	25
179601-23-1	Xylene, Meta + Para	<50	50
95-47-6	Xylene, Ortho	<25	25

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*100*	*85-118*
1,2-Dichloroethane-d4	*104*	*87-122*
Toluene-d8	*95*	*85-113*
4-Bromofluorobenzene	*95*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-35d**	Sampled:	05/15/17 14:40
Lab Sample ID:	**1705391-08**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	1	Analyzed:	05/22/17 22:02 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

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	**26**	1.0
156-60-5	trans-1,2-Dichloroethene	**3.8**	1.0

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-35d**	Sampled:	05/15/17 14:40
Lab Sample ID:	**1705391-08**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	1	Analyzed:	05/22/17 22:02 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

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:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-35d**	Sampled:	05/15/17 14:40
Lab Sample ID:	**1705391-08**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	1	Analyzed:	05/22/17 22:02 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**30**	1.0
179601-23-1	Xylene, Meta + Para	<2.0	2.0
95-47-6	Xylene, Ortho	<1.0	1.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*97*	*85-118*
1,2-Dichloroethane-d4	*107*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*95*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-44i**	Sampled:	05/15/17 15:17
Lab Sample ID:	**1705391-09**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	1	Analyzed:	05/22/17 22:27 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<20	20
107-13-1	Acrylonitrile	<2.0	2.0
71-43-2	Benzene	<1.0	1.0
108-86-1	Bromobenzene	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
74-83-9	Bromomethane	<5.0	5.0
104-51-8	n-Butylbenzene	<1.0	1.0
135-98-8	sec-Butylbenzene	<1.0	1.0
98-06-6	tert-Butylbenzene	<1.0	1.0
75-15-0	Carbon Disulfide	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
75-00-3	Chloroethane	<5.0	5.0
67-66-3	Chloroform	<1.0	1.0
74-87-3	Chloromethane	<5.0	5.0
96-12-8	1,2-Dibromo-3-chloropropane	<5.0	5.0
124-48-1	Dibromochloromethane	<1.0	1.0
106-93-4	1,2-Dibromoethane	<1.0	1.0
74-95-3	Dibromomethane	<1.0	1.0
110-57-6	trans-1,4-Dichloro-2-butene	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
541-73-1	1,3-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-71-8	Dichlorodifluoromethane	<5.0	5.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**8.2**	1.0
156-60-5	trans-1,2-Dichloroethene	**1.1**	1.0

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-44i**	Sampled:	05/15/17 15:17
Lab Sample ID:	**1705391-09**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	1	Analyzed:	05/22/17 22:27 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

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	**35**	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	**94**	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:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-44i**	Sampled:	05/15/17 15:17		
Lab Sample ID:	**1705391-09**	Sampled By:	TRC		
Matrix:	Water	Received:	05/18/17 17:24		
Unit:	ug/L	Prepared:	05/22/17 19:00	By:	DLV
Dilution Factor:	1	Analyzed:	05/22/17 22:27	By:	DLV
QC Batch:	1704837	Analytical Batch:	7E23012		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**1.4**	1.0
179601-23-1	Xylene, Meta + Para	<2.0	2.0
95-47-6	Xylene, Ortho	<1.0	1.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*97*	*85-118*
1,2-Dichloroethane-d4	*107*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*94*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-44s**	Sampled:	05/15/17 15:59
Lab Sample ID:	**1705391-10**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 07:00 By: DLV
Dilution Factor:	100	Analyzed:	05/22/17 17:56 By: DLV
QC Batch:	1704836	Analytical Batch:	7E23010

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<2000	2000
107-13-1	Acrylonitrile	<200	200
71-43-2	Benzene	<100	100
108-86-1	Bromobenzene	<100	100
74-97-5	Bromochloromethane	<100	100
75-27-4	Bromodichloromethane	<100	100
75-25-2	Bromoform	<100	100
74-83-9	Bromomethane	<500	500
104-51-8	n-Butylbenzene	<100	100
135-98-8	sec-Butylbenzene	<100	100
98-06-6	tert-Butylbenzene	<100	100
75-15-0	Carbon Disulfide	<100	100
56-23-5	Carbon Tetrachloride	<100	100
108-90-7	Chlorobenzene	<100	100
75-00-3	Chloroethane	<500	500
67-66-3	Chloroform	<100	100
74-87-3	Chloromethane	<500	500
96-12-8	1,2-Dibromo-3-chloropropane	<500	500
124-48-1	Dibromochloromethane	<100	100
106-93-4	1,2-Dibromoethane	<100	100
74-95-3	Dibromomethane	<100	100
110-57-6	trans-1,4-Dichloro-2-butene	<100	100
95-50-1	1,2-Dichlorobenzene	<100	100
541-73-1	1,3-Dichlorobenzene	<100	100
106-46-7	1,4-Dichlorobenzene	<100	100
75-71-8	Dichlorodifluoromethane	<500	500
75-34-3	1,1-Dichloroethane	<100	100
107-06-2	1,2-Dichloroethane	<100	100
75-35-4	1,1-Dichloroethene	<100	100
156-59-2	cis-1,2-Dichloroethene	<100	100
156-60-5	trans-1,2-Dichloroethene	<100	100

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-44s**	Sampled:	05/15/17 15:59
Lab Sample ID:	**1705391-10**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 07:00 By: DLV
Dilution Factor:	100	Analyzed:	05/22/17 17:56 By: DLV
QC Batch:	1704836	Analytical Batch:	7E23010

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
78-87-5	1,2-Dichloropropane	<100	100
10061-01-5	cis-1,3-Dichloropropene	<100	100
10061-02-6	trans-1,3-Dichloropropene	<100	100
100-41-4	Ethylbenzene	<100	100
60-29-7	Ethyl Ether	<500	500
591-78-6	2-Hexanone	<500	500
74-88-4	Iodomethane	<100	100
98-82-8	Isopropylbenzene	<100	100
99-87-6	4-Isopropyltoluene	<500	500
1634-04-4	Methyl tert-Butyl Ether	<500	500
75-09-2	Methylene Chloride	<500	500
78-93-3	2-Butanone (MEK)	<500	500
91-57-6	2-Methylnaphthalene	<500	500
108-10-1	4-Methyl-2-pentanone (MIBK)	<500	500
91-20-3	Naphthalene	<500	500
103-65-1	n-Propylbenzene	<100	100
100-42-5	Styrene	<100	100
630-20-6	1,1,1,2-Tetrachloroethane	<100	100
79-34-5	1,1,2,2-Tetrachloroethane	<100	100
127-18-4	Tetrachloroethene	**17000**	100
109-99-9	Tetrahydrofuran	<500	500
108-88-3	Toluene	<100	100
87-61-6	1,2,3-Trichlorobenzene	<500	500
120-82-1	1,2,4-Trichlorobenzene	<500	500
71-55-6	1,1,1-Trichloroethane	<100	100
79-00-5	1,1,2-Trichloroethane	<100	100
79-01-6	Trichloroethene	**1500**	100
75-69-4	Trichlorofluoromethane	<100	100
96-18-4	1,2,3-Trichloropropane	<100	100
95-63-6	1,2,4-Trimethylbenzene	<100	100
108-67-8	1,3,5-Trimethylbenzene	<100	100

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-44s**	Sampled:	05/15/17 15:59
Lab Sample ID:	**1705391-10**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 07:00 By: DLV
Dilution Factor:	100	Analyzed:	05/22/17 17:56 By: DLV
QC Batch:	1704836	Analytical Batch:	7E23010

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	<100	100
179601-23-1	Xylene, Meta + Para	<200	200
95-47-6	Xylene, Ortho	<100	100

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*97*	*85-118*
1,2-Dichloroethane-d4	*106*	*87-122*
Toluene-d8	*97*	*85-113*
4-Bromofluorobenzene	*94*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-2s**	Sampled:	05/16/17 07:00
Lab Sample ID:	**1705391-11**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	2.5	Analyzed:	05/23/17 02:59 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<50	50
107-13-1	Acrylonitrile	<5.0	5.0
71-43-2	Benzene	<2.5	2.5
108-86-1	Bromobenzene	<2.5	2.5
74-97-5	Bromochloromethane	<2.5	2.5
75-27-4	Bromodichloromethane	<2.5	2.5
75-25-2	Bromoform	<2.5	2.5
74-83-9	Bromomethane	<12	12
104-51-8	n-Butylbenzene	<2.5	2.5
135-98-8	sec-Butylbenzene	<2.5	2.5
98-06-6	tert-Butylbenzene	<2.5	2.5
75-15-0	Carbon Disulfide	<2.5	2.5
56-23-5	Carbon Tetrachloride	<2.5	2.5
108-90-7	Chlorobenzene	<2.5	2.5
75-00-3	Chloroethane	<12	12
67-66-3	Chloroform	<2.5	2.5
74-87-3	Chloromethane	<12	12
96-12-8	1,2-Dibromo-3-chloropropane	<12	12
124-48-1	Dibromochloromethane	<2.5	2.5
106-93-4	1,2-Dibromoethane	<2.5	2.5
74-95-3	Dibromomethane	<2.5	2.5
110-57-6	trans-1,4-Dichloro-2-butene	<2.5	2.5
95-50-1	1,2-Dichlorobenzene	<2.5	2.5
541-73-1	1,3-Dichlorobenzene	<2.5	2.5
106-46-7	1,4-Dichlorobenzene	<2.5	2.5
75-71-8	Dichlorodifluoromethane	<12	12
75-34-3	1,1-Dichloroethane	<2.5	2.5
107-06-2	1,2-Dichloroethane	<2.5	2.5
75-35-4	1,1-Dichloroethene	<2.5	2.5
156-59-2	cis-1,2-Dichloroethene	**3.3**	2.5
156-60-5	trans-1,2-Dichloroethene	<2.5	2.5

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-2s**	Sampled:	05/16/17 07:00
Lab Sample ID:	**1705391-11**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	2.5	Analyzed:	05/23/17 02:59 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
78-87-5	1,2-Dichloropropane	<2.5	2.5
10061-01-5	cis-1,3-Dichloropropene	<2.5	2.5
10061-02-6	trans-1,3-Dichloropropene	<2.5	2.5
100-41-4	Ethylbenzene	<2.5	2.5
60-29-7	Ethyl Ether	<12	12
591-78-6	2-Hexanone	<12	12
74-88-4	Iodomethane	<2.5	2.5
98-82-8	Isopropylbenzene	<2.5	2.5
99-87-6	4-Isopropyltoluene	<12	12
1634-04-4	Methyl tert-Butyl Ether	<12	12
75-09-2	Methylene Chloride	<12	12
78-93-3	2-Butanone (MEK)	<12	12
91-57-6	2-Methylnaphthalene	<12	12
108-10-1	4-Methyl-2-pentanone (MIBK)	<12	12
91-20-3	Naphthalene	<12	12
103-65-1	n-Propylbenzene	<2.5	2.5
100-42-5	Styrene	<2.5	2.5
630-20-6	1,1,1,2-Tetrachloroethane	<2.5	2.5
79-34-5	1,1,2,2-Tetrachloroethane	<2.5	2.5
127-18-4	Tetrachloroethene	<2.5	2.5
109-99-9	Tetrahydrofuran	<12	12
108-88-3	Toluene	<2.5	2.5
87-61-6	1,2,3-Trichlorobenzene	<12	12
120-82-1	1,2,4-Trichlorobenzene	<12	12
71-55-6	1,1,1-Trichloroethane	<2.5	2.5
79-00-5	1,1,2-Trichloroethane	<2.5	2.5
79-01-6	Trichloroethene	**230**	2.5
75-69-4	Trichlorofluoromethane	<2.5	2.5
96-18-4	1,2,3-Trichloropropane	<2.5	2.5
95-63-6	1,2,4-Trimethylbenzene	<2.5	2.5
108-67-8	1,3,5-Trimethylbenzene	<2.5	2.5

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-2s**	Sampled:	05/16/17 07:00
Lab Sample ID:	**1705391-11**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	2.5	Analyzed:	05/23/17 02:59 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	<2.5	2.5
179601-23-1	Xylene, Meta + Para	<5.0	5.0
95-47-6	Xylene, Ortho	<2.5	2.5

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*96*	*85-118*
1,2-Dichloroethane-d4	*106*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*95*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-23**	Sampled:	05/16/17 07:47
Lab Sample ID:	**1705391-12**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	1	Analyzed:	05/22/17 22:52 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

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:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-23**	Sampled:	05/16/17 07:47
Lab Sample ID:	**1705391-12**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	1	Analyzed:	05/22/17 22:52 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

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:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-23**	Sampled:	05/16/17 07:47
Lab Sample ID:	**1705391-12**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	1	Analyzed:	05/22/17 22:52 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**130**	1.0
179601-23-1	Xylene, Meta + Para	<2.0	2.0
95-47-6	Xylene, Ortho	<1.0	1.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*96*	*85-118*
1,2-Dichloroethane-d4	*105*	*87-122*
Toluene-d8	*94*	*85-113*
4-Bromofluorobenzene	*95*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-36d**	Sampled:	05/16/17 11:29
Lab Sample ID:	**1705391-13**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	1	Analyzed:	05/22/17 23:16 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

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:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-36d**	Sampled:	05/16/17 11:29
Lab Sample ID:	**1705391-13**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	1	Analyzed:	05/22/17 23:16 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

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:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-36d**	Sampled:	05/16/17 11:29
Lab Sample ID:	**1705391-13**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	1	Analyzed:	05/22/17 23:16 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	<1.0	1.0
179601-23-1	Xylene, Meta + Para	<2.0	2.0
95-47-6	Xylene, Ortho	<1.0	1.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*96*	*85-118*
1,2-Dichloroethane-d4	*106*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*95*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-36s**	Sampled:	05/16/17 12:12
Lab Sample ID:	**1705391-14**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 07:00 By: DLV
Dilution Factor:	5	Analyzed:	05/22/17 18:20 By: DLV
QC Batch:	1704836	Analytical Batch:	7E23010

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<100	100
107-13-1	Acrylonitrile	<10	10
71-43-2	Benzene	<5.0	5.0
108-86-1	Bromobenzene	<5.0	5.0
74-97-5	Bromochloromethane	<5.0	5.0
75-27-4	Bromodichloromethane	<5.0	5.0
75-25-2	Bromoform	<5.0	5.0
74-83-9	Bromomethane	<25	25
104-51-8	n-Butylbenzene	<5.0	5.0
135-98-8	sec-Butylbenzene	<5.0	5.0
98-06-6	tert-Butylbenzene	<5.0	5.0
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<5.0	5.0
108-90-7	Chlorobenzene	<5.0	5.0
75-00-3	Chloroethane	<25	25
67-66-3	Chloroform	<5.0	5.0
74-87-3	Chloromethane	<25	25
96-12-8	1,2-Dibromo-3-chloropropane	<25	25
124-48-1	Dibromochloromethane	<5.0	5.0
106-93-4	1,2-Dibromoethane	<5.0	5.0
74-95-3	Dibromomethane	<5.0	5.0
110-57-6	trans-1,4-Dichloro-2-butene	<5.0	5.0
95-50-1	1,2-Dichlorobenzene	<5.0	5.0
541-73-1	1,3-Dichlorobenzene	<5.0	5.0
106-46-7	1,4-Dichlorobenzene	<5.0	5.0
75-71-8	Dichlorodifluoromethane	<25	25
75-34-3	1,1-Dichloroethane	**13**	5.0
107-06-2	1,2-Dichloroethane	<5.0	5.0
75-35-4	1,1-Dichloroethene	<5.0	5.0
156-59-2	cis-1,2-Dichloroethene	**78**	5.0
156-60-5	trans-1,2-Dichloroethene	**10**	5.0

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-36s**	Sampled:	05/16/17 12:12
Lab Sample ID:	**1705391-14**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 07:00 By: DLV
Dilution Factor:	5	Analyzed:	05/22/17 18:20 By: DLV
QC Batch:	1704836	Analytical Batch:	7E23010

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
78-87-5	1,2-Dichloropropane	<5.0	5.0
10061-01-5	cis-1,3-Dichloropropene	<5.0	5.0
10061-02-6	trans-1,3-Dichloropropene	<5.0	5.0
100-41-4	Ethylbenzene	<5.0	5.0
60-29-7	Ethyl Ether	<25	25
591-78-6	2-Hexanone	<25	25
74-88-4	Iodomethane	<5.0	5.0
98-82-8	Isopropylbenzene	<5.0	5.0
99-87-6	4-Isopropyltoluene	<25	25
1634-04-4	Methyl tert-Butyl Ether	<25	25
75-09-2	Methylene Chloride	<25	25
78-93-3	2-Butanone (MEK)	<25	25
91-57-6	2-Methylnaphthalene	<25	25
108-10-1	4-Methyl-2-pentanone (MIBK)	<25	25
91-20-3	Naphthalene	<25	25
103-65-1	n-Propylbenzene	<5.0	5.0
100-42-5	Styrene	<5.0	5.0
630-20-6	1,1,1,2-Tetrachloroethane	<5.0	5.0
79-34-5	1,1,2,2-Tetrachloroethane	<5.0	5.0
127-18-4	Tetrachloroethene	<5.0	5.0
109-99-9	Tetrahydrofuran	<25	25
108-88-3	Toluene	<5.0	5.0
87-61-6	1,2,3-Trichlorobenzene	<25	25
120-82-1	1,2,4-Trichlorobenzene	<25	25
71-55-6	1,1,1-Trichloroethane	**23**	5.0
79-00-5	1,1,2-Trichloroethane	<5.0	5.0
79-01-6	Trichloroethene	**620**	5.0
75-69-4	Trichlorofluoromethane	<5.0	5.0
96-18-4	1,2,3-Trichloropropane	<5.0	5.0
95-63-6	1,2,4-Trimethylbenzene	<5.0	5.0
108-67-8	1,3,5-Trimethylbenzene	<5.0	5.0

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-36s**	Sampled:	05/16/17 12:12
Lab Sample ID:	**1705391-14**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 07:00 By: DLV
Dilution Factor:	5	Analyzed:	05/22/17 18:20 By: DLV
QC Batch:	1704836	Analytical Batch:	7E23010

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**20**	5.0
179601-23-1	Xylene, Meta + Para	<10	10
95-47-6	Xylene, Ortho	<5.0	5.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*98*	*85-118*
1,2-Dichloroethane-d4	*105*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*94*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-39d**	Sampled:	05/16/17 13:02
Lab Sample ID:	**1705391-15**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	1	Analyzed:	05/22/17 23:41 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

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	**3.3**	1.0
156-60-5	trans-1,2-Dichloroethene	**2.2**	1.0

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-39d**	Sampled:	05/16/17 13:02
Lab Sample ID:	**1705391-15**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	1	Analyzed:	05/22/17 23:41 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

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:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-39d**	Sampled:	05/16/17 13:02
Lab Sample ID:	**1705391-15**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	1	Analyzed:	05/22/17 23:41 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	<1.0	1.0
179601-23-1	Xylene, Meta + Para	<2.0	2.0
95-47-6	Xylene, Ortho	<1.0	1.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*96*	*85-118*
1,2-Dichloroethane-d4	*106*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*95*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-39s**	Sampled:	05/16/17 13:41
Lab Sample ID:	**1705391-16**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	5	Analyzed:	05/23/17 15:07 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<100	100
107-13-1	Acrylonitrile	<10	10
71-43-2	Benzene	<5.0	5.0
108-86-1	Bromobenzene	<5.0	5.0
74-97-5	Bromochloromethane	<5.0	5.0
75-27-4	Bromodichloromethane	<5.0	5.0
75-25-2	Bromoform	<5.0	5.0
74-83-9	Bromomethane	<25	25
104-51-8	n-Butylbenzene	<5.0	5.0
135-98-8	sec-Butylbenzene	<5.0	5.0
98-06-6	tert-Butylbenzene	<5.0	5.0
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<5.0	5.0
108-90-7	Chlorobenzene	<5.0	5.0
75-00-3	Chloroethane	<25	25
67-66-3	Chloroform	<5.0	5.0
74-87-3	Chloromethane	<25	25
96-12-8	1,2-Dibromo-3-chloropropane	<25	25
124-48-1	Dibromochloromethane	<5.0	5.0
106-93-4	1,2-Dibromoethane	<5.0	5.0
74-95-3	Dibromomethane	<5.0	5.0
110-57-6	trans-1,4-Dichloro-2-butene	<5.0	5.0
95-50-1	1,2-Dichlorobenzene	<5.0	5.0
541-73-1	1,3-Dichlorobenzene	<5.0	5.0
106-46-7	1,4-Dichlorobenzene	<5.0	5.0
75-71-8	Dichlorodifluoromethane	<25	25
75-34-3	1,1-Dichloroethane	**76**	5.0
107-06-2	1,2-Dichloroethane	<5.0	5.0
75-35-4	1,1-Dichloroethene	**20**	5.0
156-59-2	cis-1,2-Dichloroethene	**23**	5.0
156-60-5	trans-1,2-Dichloroethene	<5.0	5.0

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-39s**	Sampled:	05/16/17 13:41
Lab Sample ID:	**1705391-16**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	5	Analyzed:	05/23/17 15:07 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
78-87-5	1,2-Dichloropropane	<5.0	5.0
10061-01-5	cis-1,3-Dichloropropene	<5.0	5.0
10061-02-6	trans-1,3-Dichloropropene	<5.0	5.0
100-41-4	Ethylbenzene	<5.0	5.0
60-29-7	Ethyl Ether	<25	25
591-78-6	2-Hexanone	<25	25
74-88-4	Iodomethane	<5.0	5.0
98-82-8	Isopropylbenzene	<5.0	5.0
99-87-6	4-Isopropyltoluene	<25	25
1634-04-4	Methyl tert-Butyl Ether	<25	25
75-09-2	Methylene Chloride	<25	25
78-93-3	2-Butanone (MEK)	<25	25
91-57-6	2-Methylnaphthalene	<25	25
108-10-1	4-Methyl-2-pentanone (MIBK)	<25	25
91-20-3	Naphthalene	<25	25
103-65-1	n-Propylbenzene	<5.0	5.0
100-42-5	Styrene	<5.0	5.0
630-20-6	1,1,1,2-Tetrachloroethane	<5.0	5.0
79-34-5	1,1,2,2-Tetrachloroethane	<5.0	5.0
127-18-4	Tetrachloroethene	<5.0	5.0
109-99-9	Tetrahydrofuran	<25	25
108-88-3	Toluene	<5.0	5.0
87-61-6	1,2,3-Trichlorobenzene	<25	25
120-82-1	1,2,4-Trichlorobenzene	<25	25
71-55-6	1,1,1-Trichloroethane	**130**	5.0
79-00-5	1,1,2-Trichloroethane	<5.0	5.0
79-01-6	Trichloroethene	**670**	5.0
75-69-4	Trichlorofluoromethane	<5.0	5.0
96-18-4	1,2,3-Trichloropropane	<5.0	5.0
95-63-6	1,2,4-Trimethylbenzene	<5.0	5.0
108-67-8	1,3,5-Trimethylbenzene	<5.0	5.0

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-39s**	Sampled:	05/16/17 13:41
Lab Sample ID:	**1705391-16**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	5	Analyzed:	05/23/17 15:07 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	<5.0	5.0
179601-23-1	Xylene, Meta + Para	<10	10
95-47-6	Xylene, Ortho	<5.0	5.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*98*	*85-118*
1,2-Dichloroethane-d4	*106*	*87-122*
Toluene-d8	*95*	*85-113*
4-Bromofluorobenzene	*94*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**PRB-02s**	Sampled:	05/16/17 14:19
Lab Sample ID:	**1705391-17**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	2	Analyzed:	05/23/17 13:52 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

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	**200**	2.0
156-60-5	trans-1,2-Dichloroethene	<2.0	2.0

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**PRB-02s**	Sampled:	05/16/17 14:19
Lab Sample ID:	**1705391-17**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	2	Analyzed:	05/23/17 13:52 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

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	**34**	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:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**PRB-02s**	Sampled:	05/16/17 14:19		
Lab Sample ID:	**1705391-17**	Sampled By:	TRC		
Matrix:	Water	Received:	05/18/17 17:24		
Unit:	ug/L	Prepared:	05/23/17 07:00	By:	DLV
Dilution Factor:	2	Analyzed:	05/23/17 13:52	By:	DLV
QC Batch:	1704885	Analytical Batch:	7E24013		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**6.8**	2.0
179601-23-1	Xylene, Meta + Para	<4.0	4.0
95-47-6	Xylene, Ortho	<2.0	2.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*97*	*85-118*
1,2-Dichloroethane-d4	*108*	*87-122*
Toluene-d8	*95*	*85-113*
4-Bromofluorobenzene	*94*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**PRB-11s**	Sampled:	05/16/17 14:48
Lab Sample ID:	**1705391-18**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	1	Analyzed:	05/23/17 00:30 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

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:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**PRB-11s**	Sampled:	05/16/17 14:48
Lab Sample ID:	**1705391-18**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	1	Analyzed:	05/23/17 00:30 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

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	**1.1**	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:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**PRB-11s**	Sampled:	05/16/17 14:48
Lab Sample ID:	**1705391-18**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	1	Analyzed:	05/23/17 00:30 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	<1.0	1.0
179601-23-1	Xylene, Meta + Para	<2.0	2.0
95-47-6	Xylene, Ortho	<1.0	1.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*95*	*85-118*
1,2-Dichloroethane-d4	*105*	*87-122*
Toluene-d8	*95*	*85-113*
4-Bromofluorobenzene	*94*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**PRB-08d**	Sampled:	05/17/17 07:40
Lab Sample ID:	**1705391-19**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	1	Analyzed:	05/23/17 00:55 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

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:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**PRB-08d**	Sampled:	05/17/17 07:40
Lab Sample ID:	**1705391-19**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	1	Analyzed:	05/23/17 00:55 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

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:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**PRB-08d**	Sampled:	05/17/17 07:40
Lab Sample ID:	**1705391-19**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	1	Analyzed:	05/23/17 00:55 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**28**	1.0
179601-23-1	Xylene, Meta + Para	<2.0	2.0
95-47-6	Xylene, Ortho	<1.0	1.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*96*	*85-118*
1,2-Dichloroethane-d4	*106*	*87-122*
Toluene-d8	*95*	*85-113*
4-Bromofluorobenzene	*95*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**PRB-08s**	Sampled:	05/17/17 08:16
Lab Sample ID:	**1705391-20**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	1	Analyzed:	05/23/17 01:20 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

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	**1.4**	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**PRB-08s**	Sampled:	05/17/17 08:16
Lab Sample ID:	**1705391-20**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	1	Analyzed:	05/23/17 01:20 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

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	**1.8**	1.0
79-01-6	Trichloroethene	**2.7**	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:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**PRB-08s**	Sampled:	05/17/17 08:16		
Lab Sample ID:	**1705391-20**	Sampled By:	TRC		
Matrix:	Water	Received:	05/18/17 17:24		
Unit:	ug/L	Prepared:	05/22/17 19:00	By:	DLV
Dilution Factor:	1	Analyzed:	05/23/17 01:20	By:	DLV
QC Batch:	1704837	Analytical Batch:	7E23012		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	<1.0	1.0
179601-23-1	Xylene, Meta + Para	<2.0	2.0
95-47-6	Xylene, Ortho	<1.0	1.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*95*	*85-118*
1,2-Dichloroethane-d4	*107*	*87-122*
Toluene-d8	*95*	*85-113*
4-Bromofluorobenzene	*93*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-45s**	Sampled:	05/17/17 09:03
Lab Sample ID:	**1705391-21**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	100	Analyzed:	05/23/17 03:48 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<2000	2000
107-13-1	Acrylonitrile	<200	200
71-43-2	Benzene	<100	100
108-86-1	Bromobenzene	<100	100
74-97-5	Bromochloromethane	<100	100
75-27-4	Bromodichloromethane	<100	100
75-25-2	Bromoform	<100	100
74-83-9	Bromomethane	<500	500
104-51-8	n-Butylbenzene	<100	100
135-98-8	sec-Butylbenzene	<100	100
98-06-6	tert-Butylbenzene	<100	100
75-15-0	Carbon Disulfide	<100	100
56-23-5	Carbon Tetrachloride	<100	100
108-90-7	Chlorobenzene	<100	100
75-00-3	Chloroethane	<500	500
67-66-3	Chloroform	<100	100
74-87-3	Chloromethane	<500	500
96-12-8	1,2-Dibromo-3-chloropropane	<500	500
124-48-1	Dibromochloromethane	<100	100
106-93-4	1,2-Dibromoethane	<100	100
74-95-3	Dibromomethane	<100	100
110-57-6	trans-1,4-Dichloro-2-butene	<100	100
95-50-1	1,2-Dichlorobenzene	<100	100
541-73-1	1,3-Dichlorobenzene	<100	100
106-46-7	1,4-Dichlorobenzene	<100	100
75-71-8	Dichlorodifluoromethane	<500	500
75-34-3	1,1-Dichloroethane	<100	100
107-06-2	1,2-Dichloroethane	<100	100
75-35-4	1,1-Dichloroethene	<100	100
156-59-2	cis-1,2-Dichloroethene	**3700**	100
156-60-5	trans-1,2-Dichloroethene	<100	100

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-45s**	Sampled:	05/17/17 09:03
Lab Sample ID:	**1705391-21**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	100	Analyzed:	05/23/17 03:48 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
78-87-5	1,2-Dichloropropane	<100	100
10061-01-5	cis-1,3-Dichloropropene	<100	100
10061-02-6	trans-1,3-Dichloropropene	<100	100
100-41-4	Ethylbenzene	<100	100
60-29-7	Ethyl Ether	<500	500
591-78-6	2-Hexanone	<500	500
74-88-4	Iodomethane	<100	100
98-82-8	Isopropylbenzene	<100	100
99-87-6	4-Isopropyltoluene	<500	500
1634-04-4	Methyl tert-Butyl Ether	<500	500
75-09-2	Methylene Chloride	<500	500
78-93-3	2-Butanone (MEK)	<500	500
91-57-6	2-Methylnaphthalene	<500	500
108-10-1	4-Methyl-2-pentanone (MIBK)	<500	500
91-20-3	Naphthalene	<500	500
103-65-1	n-Propylbenzene	<100	100
100-42-5	Styrene	<100	100
630-20-6	1,1,1,2-Tetrachloroethane	<100	100
79-34-5	1,1,2,2-Tetrachloroethane	<100	100
127-18-4	Tetrachloroethene	**12000**	100
109-99-9	Tetrahydrofuran	<500	500
108-88-3	Toluene	<100	100
87-61-6	1,2,3-Trichlorobenzene	<500	500
120-82-1	1,2,4-Trichlorobenzene	<500	500
71-55-6	1,1,1-Trichloroethane	<100	100
79-00-5	1,1,2-Trichloroethane	<100	100
79-01-6	Trichloroethene	**3900**	100
75-69-4	Trichlorofluoromethane	<100	100
96-18-4	1,2,3-Trichloropropane	<100	100
95-63-6	1,2,4-Trimethylbenzene	<100	100
108-67-8	1,3,5-Trimethylbenzene	<100	100

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-45s**	Sampled:	05/17/17 09:03		
Lab Sample ID:	**1705391-21**	Sampled By:	TRC		
Matrix:	Water	Received:	05/18/17 17:24		
Unit:	ug/L	Prepared:	05/22/17 19:00	By:	DLV
Dilution Factor:	100	Analyzed:	05/23/17 03:48	By:	DLV
QC Batch:	1704837	Analytical Batch:	7E23012		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**370**	100
179601-23-1	Xylene, Meta + Para	<200	200
95-47-6	Xylene, Ortho	<100	100

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*96*	*85-118*
1,2-Dichloroethane-d4	*108*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*95*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-45i**	Sampled:	05/17/17 09:49
Lab Sample ID:	**1705391-22**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	10	Analyzed:	05/23/17 04:13 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

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	**1100**	10
156-60-5	trans-1,2-Dichloroethene	**34**	10

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-45i**	Sampled:	05/17/17 09:49
Lab Sample ID:	**1705391-22**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	10	Analyzed:	05/23/17 04:13 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
78-87-5	1,2-Dichloropropane	<10	10
10061-01-5	cis-1,3-Dichloropropene	<10	10
10061-02-6	trans-1,3-Dichloropropene	<10	10
100-41-4	Ethylbenzene	<10	10
60-29-7	Ethyl Ether	<50	50
591-78-6	2-Hexanone	<50	50
74-88-4	Iodomethane	<10	10
98-82-8	Isopropylbenzene	<10	10
99-87-6	4-Isopropyltoluene	<50	50
1634-04-4	Methyl tert-Butyl Ether	<50	50
75-09-2	Methylene Chloride	<50	50
78-93-3	2-Butanone (MEK)	<50	50
91-57-6	2-Methylnaphthalene	<50	50
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
91-20-3	Naphthalene	<50	50
103-65-1	n-Propylbenzene	<10	10
100-42-5	Styrene	<10	10
630-20-6	1,1,1,2-Tetrachloroethane	<10	10
79-34-5	1,1,2,2-Tetrachloroethane	<10	10
127-18-4	Tetrachloroethene	<10	10
109-99-9	Tetrahydrofuran	<50	50
108-88-3	Toluene	<10	10
87-61-6	1,2,3-Trichlorobenzene	<50	50
120-82-1	1,2,4-Trichlorobenzene	<50	50
71-55-6	1,1,1-Trichloroethane	<10	10
79-00-5	1,1,2-Trichloroethane	<10	10
79-01-6	Trichloroethene	**480**	10
75-69-4	Trichlorofluoromethane	<10	10
96-18-4	1,2,3-Trichloropropane	<10	10
95-63-6	1,2,4-Trimethylbenzene	<10	10
108-67-8	1,3,5-Trimethylbenzene	<10	10

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-45i**	Sampled:	05/17/17 09:49
Lab Sample ID:	**1705391-22**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	10	Analyzed:	05/23/17 04:13 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**14**	10
179601-23-1	Xylene, Meta + Para	<20	20
95-47-6	Xylene, Ortho	<10	10

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*97*	*85-118*
1,2-Dichloroethane-d4	*105*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*95*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-20s**	Sampled:	05/17/17 10:20
Lab Sample ID:	**1705391-23**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	1	Analyzed:	05/23/17 01:44 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

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	**3.6**	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:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-20s**	Sampled:	05/17/17 10:20
Lab Sample ID:	**1705391-23**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	1	Analyzed:	05/23/17 01:44 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

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	**63**	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**48**	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:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-20s**	Sampled:	05/17/17 10:20
Lab Sample ID:	**1705391-23**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	1	Analyzed:	05/23/17 01:44 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	<1.0	1.0
179601-23-1	Xylene, Meta + Para	<2.0	2.0
95-47-6	Xylene, Ortho	<1.0	1.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*99*	*85-118*
1,2-Dichloroethane-d4	*107*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*95*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-20d**	Sampled:	05/17/17 10:46
Lab Sample ID:	**1705391-24**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	2.5	Analyzed:	05/23/17 04:37 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<50	50
107-13-1	Acrylonitrile	<5.0	5.0
71-43-2	Benzene	<2.5	2.5
108-86-1	Bromobenzene	<2.5	2.5
74-97-5	Bromochloromethane	<2.5	2.5
75-27-4	Bromodichloromethane	<2.5	2.5
75-25-2	Bromoform	<2.5	2.5
74-83-9	Bromomethane	<12	12
104-51-8	n-Butylbenzene	<2.5	2.5
135-98-8	sec-Butylbenzene	<2.5	2.5
98-06-6	tert-Butylbenzene	<2.5	2.5
75-15-0	Carbon Disulfide	<2.5	2.5
56-23-5	Carbon Tetrachloride	<2.5	2.5
108-90-7	Chlorobenzene	<2.5	2.5
75-00-3	Chloroethane	<12	12
67-66-3	Chloroform	<2.5	2.5
74-87-3	Chloromethane	<12	12
96-12-8	1,2-Dibromo-3-chloropropane	<12	12
124-48-1	Dibromochloromethane	<2.5	2.5
106-93-4	1,2-Dibromoethane	<2.5	2.5
74-95-3	Dibromomethane	<2.5	2.5
110-57-6	trans-1,4-Dichloro-2-butene	<2.5	2.5
95-50-1	1,2-Dichlorobenzene	<2.5	2.5
541-73-1	1,3-Dichlorobenzene	<2.5	2.5
106-46-7	1,4-Dichlorobenzene	<2.5	2.5
75-71-8	Dichlorodifluoromethane	<12	12
75-34-3	1,1-Dichloroethane	<2.5	2.5
107-06-2	1,2-Dichloroethane	<2.5	2.5
75-35-4	1,1-Dichloroethene	<2.5	2.5
156-59-2	cis-1,2-Dichloroethene	**340**	2.5
156-60-5	trans-1,2-Dichloroethene	<2.5	2.5

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-20d**	Sampled:	05/17/17 10:46
Lab Sample ID:	**1705391-24**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	2.5	Analyzed:	05/23/17 04:37 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
78-87-5	1,2-Dichloropropane	<2.5	2.5
10061-01-5	cis-1,3-Dichloropropene	<2.5	2.5
10061-02-6	trans-1,3-Dichloropropene	<2.5	2.5
100-41-4	Ethylbenzene	<2.5	2.5
60-29-7	Ethyl Ether	<12	12
591-78-6	2-Hexanone	<12	12
74-88-4	Iodomethane	<2.5	2.5
98-82-8	Isopropylbenzene	<2.5	2.5
99-87-6	4-Isopropyltoluene	<12	12
1634-04-4	Methyl tert-Butyl Ether	<12	12
75-09-2	Methylene Chloride	<12	12
78-93-3	2-Butanone (MEK)	<12	12
91-57-6	2-Methylnaphthalene	<12	12
108-10-1	4-Methyl-2-pentanone (MIBK)	<12	12
91-20-3	Naphthalene	<12	12
103-65-1	n-Propylbenzene	<2.5	2.5
100-42-5	Styrene	<2.5	2.5
630-20-6	1,1,1,2-Tetrachloroethane	<2.5	2.5
79-34-5	1,1,2,2-Tetrachloroethane	<2.5	2.5
127-18-4	Tetrachloroethene	<2.5	2.5
109-99-9	Tetrahydrofuran	<12	12
108-88-3	Toluene	<2.5	2.5
87-61-6	1,2,3-Trichlorobenzene	<12	12
120-82-1	1,2,4-Trichlorobenzene	<12	12
71-55-6	1,1,1-Trichloroethane	<2.5	2.5
79-00-5	1,1,2-Trichloroethane	<2.5	2.5
79-01-6	Trichloroethene	**3.2**	2.5
75-69-4	Trichlorofluoromethane	<2.5	2.5
96-18-4	1,2,3-Trichloropropane	<2.5	2.5
95-63-6	1,2,4-Trimethylbenzene	<2.5	2.5
108-67-8	1,3,5-Trimethylbenzene	<2.5	2.5

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-20d**	Sampled:	05/17/17 10:46
Lab Sample ID:	**1705391-24**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	2.5	Analyzed:	05/23/17 04:37 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**50**	2.5
179601-23-1	Xylene, Meta + Para	<5.0	5.0
95-47-6	Xylene, Ortho	<2.5	2.5

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*99*	*85-118*
1,2-Dichloroethane-d4	*107*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*94*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-03s**	Sampled:	05/16/17 09:15
Lab Sample ID:	**1705391-25**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	10	Analyzed:	05/23/17 05:02 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

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	**12**	10
107-06-2	1,2-Dichloroethane	<10	10
75-35-4	1,1-Dichloroethene	<10	10
156-59-2	cis-1,2-Dichloroethene	**1100**	10
156-60-5	trans-1,2-Dichloroethene	**72**	10

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-03s**	Sampled:	05/16/17 09:15
Lab Sample ID:	**1705391-25**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	10	Analyzed:	05/23/17 05:02 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

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	**12**	10
79-00-5	1,1,2-Trichloroethane	<10	10
79-01-6	Trichloroethene	**14**	10
75-69-4	Trichlorofluoromethane	<10	10
96-18-4	1,2,3-Trichloropropane	<10	10
95-63-6	1,2,4-Trimethylbenzene	<10	10
108-67-8	1,3,5-Trimethylbenzene	<10	10

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-03s**	Sampled:	05/16/17 09:15
Lab Sample ID:	**1705391-25**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	10	Analyzed:	05/23/17 05:02 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**140**	10
179601-23-1	Xylene, Meta + Para	<20	20
95-47-6	Xylene, Ortho	<10	10

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*97*	*85-118*
1,2-Dichloroethane-d4	*107*	*87-122*
Toluene-d8	*94*	*85-113*
4-Bromofluorobenzene	*93*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-04s**	Sampled:	05/16/17 09:53
Lab Sample ID:	**1705391-26**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	20	Analyzed:	05/23/17 14:17 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

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	**570**	20
156-60-5	trans-1,2-Dichloroethene	**23**	20

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-04s**	Sampled:	05/16/17 09:53
Lab Sample ID:	**1705391-26**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	20	Analyzed:	05/23/17 14:17 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

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	**1900**	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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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-04s**	Sampled:	05/16/17 09:53		
Lab Sample ID:	**1705391-26**	Sampled By:	TRC		
Matrix:	Water	Received:	05/18/17 17:24		
Unit:	ug/L	Prepared:	05/23/17 07:00	By:	DLV
Dilution Factor:	20	Analyzed:	05/23/17 14:17	By:	DLV
QC Batch:	1704885	Analytical Batch:	7E24013		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**26**	20
179601-23-1	Xylene, Meta + Para	<40	40
95-47-6	Xylene, Ortho	<20	20

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*95*	*85-118*
1,2-Dichloroethane-d4	*106*	*87-122*
Toluene-d8	*97*	*85-113*
4-Bromofluorobenzene	*94*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-04i**	Sampled:	05/16/17 10:39
Lab Sample ID:	**1705391-27**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	50	Analyzed:	05/23/17 05:51 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

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	**2900**	50
156-60-5	trans-1,2-Dichloroethene	**110**	50

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-04i**	Sampled:	05/16/17 10:39
Lab Sample ID:	**1705391-27**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	50	Analyzed:	05/23/17 05:51 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

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	**4400**	50
75-69-4	Trichlorofluoromethane	<50	50
96-18-4	1,2,3-Trichloropropane	<50	50
95-63-6	1,2,4-Trimethylbenzene	<50	50
108-67-8	1,3,5-Trimethylbenzene	<50	50

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-04i**	Sampled:	05/16/17 10:39
Lab Sample ID:	**1705391-27**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/22/17 19:00 By: DLV
Dilution Factor:	50	Analyzed:	05/23/17 05:51 By: DLV
QC Batch:	1704837	Analytical Batch:	7E23012

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	<50	50
179601-23-1	Xylene, Meta + Para	<100	100
95-47-6	Xylene, Ortho	<50	50

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*96*	*85-118*
1,2-Dichloroethane-d4	*107*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*95*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**Trip Blank #1**	Sampled:	05/16/17 00:00
Lab Sample ID:	**1705391-28**	Sampled By:	Pace Analytical
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	1	Analyzed:	05/23/17 10:10 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

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:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**Trip Blank #1**	Sampled:	05/16/17 00:00
Lab Sample ID:	**1705391-28**	Sampled By:	Pace Analytical
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	1	Analyzed:	05/23/17 10:10 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

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:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**Trip Blank #1**	Sampled:	05/16/17 00:00
Lab Sample ID:	**1705391-28**	Sampled By:	Pace Analytical
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	1	Analyzed:	05/23/17 10:10 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	<1.0	1.0
179601-23-1	Xylene, Meta + Para	<2.0	2.0
95-47-6	Xylene, Ortho	<1.0	1.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*96*	*85-118*
1,2-Dichloroethane-d4	*107*	*87-122*
Toluene-d8	*97*	*85-113*
4-Bromofluorobenzene	*95*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**SP-02**	Sampled:	05/16/17 10:40
Lab Sample ID:	**1705391-29**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	10	Analyzed:	05/23/17 14:42 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

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	**16**	10
107-06-2	1,2-Dichloroethane	<10	10
75-35-4	1,1-Dichloroethene	<10	10
156-59-2	cis-1,2-Dichloroethene	**250**	10
156-60-5	trans-1,2-Dichloroethene	<10	10

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**SP-02**	Sampled:	05/16/17 10:40
Lab Sample ID:	**1705391-29**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	10	Analyzed:	05/23/17 14:42 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
78-87-5	1,2-Dichloropropane	<10	10
10061-01-5	cis-1,3-Dichloropropene	<10	10
10061-02-6	trans-1,3-Dichloropropene	<10	10
100-41-4	Ethylbenzene	<10	10
60-29-7	Ethyl Ether	<50	50
591-78-6	2-Hexanone	<50	50
74-88-4	Iodomethane	<10	10
98-82-8	Isopropylbenzene	<10	10
99-87-6	4-Isopropyltoluene	<50	50
1634-04-4	Methyl tert-Butyl Ether	<50	50
75-09-2	Methylene Chloride	<50	50
78-93-3	2-Butanone (MEK)	<50	50
91-57-6	2-Methylnaphthalene	<50	50
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
91-20-3	Naphthalene	<50	50
103-65-1	n-Propylbenzene	<10	10
100-42-5	Styrene	<10	10
630-20-6	1,1,1,2-Tetrachloroethane	<10	10
79-34-5	1,1,2,2-Tetrachloroethane	<10	10
127-18-4	Tetrachloroethene	<10	10
109-99-9	Tetrahydrofuran	<50	50
108-88-3	Toluene	<10	10
87-61-6	1,2,3-Trichlorobenzene	<50	50
120-82-1	1,2,4-Trichlorobenzene	<50	50
71-55-6	1,1,1-Trichloroethane	**49**	10
79-00-5	1,1,2-Trichloroethane	<10	10
79-01-6	Trichloroethene	**1200**	10
75-69-4	Trichlorofluoromethane	<10	10
96-18-4	1,2,3-Trichloropropane	<10	10
95-63-6	1,2,4-Trimethylbenzene	<10	10
108-67-8	1,3,5-Trimethylbenzene	<10	10

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**SP-02**	Sampled:	05/16/17 10:40
Lab Sample ID:	**1705391-29**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	10	Analyzed:	05/23/17 14:42 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	<10	10
179601-23-1	Xylene, Meta + Para	<20	20
95-47-6	Xylene, Ortho	<10	10

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*97*	*85-118*
1,2-Dichloroethane-d4	*105*	*87-122*
Toluene-d8	*97*	*85-113*
4-Bromofluorobenzene	*94*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**SP-01**	Sampled:	05/16/17 10:35
Lab Sample ID:	**1705391-30**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	20	Analyzed:	05/23/17 11:00 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

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	**1700**	20
156-60-5	trans-1,2-Dichloroethene	<20	20

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**SP-01**	Sampled:	05/16/17 10:35
Lab Sample ID:	**1705391-30**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	20	Analyzed:	05/23/17 11:00 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

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	**600**	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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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**SP-01**	Sampled:	05/16/17 10:35
Lab Sample ID:	**1705391-30**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	20	Analyzed:	05/23/17 11:00 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	<20	20
179601-23-1	Xylene, Meta + Para	<40	40
95-47-6	Xylene, Ortho	<20	20

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*98*	*85-118*
1,2-Dichloroethane-d4	*107*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*95*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**SP-03**	Sampled:	05/16/17 10:45
Lab Sample ID:	**1705391-31**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	10	Analyzed:	05/23/17 11:24 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

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	**14**	10
107-06-2	1,2-Dichloroethane	<10	10
75-35-4	1,1-Dichloroethene	<10	10
156-59-2	cis-1,2-Dichloroethene	**170**	10
156-60-5	trans-1,2-Dichloroethene	<10	10

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**SP-03**	Sampled:	05/16/17 10:45
Lab Sample ID:	**1705391-31**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	10	Analyzed:	05/23/17 11:24 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

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	**52**	10
79-00-5	1,1,2-Trichloroethane	<10	10
79-01-6	Trichloroethene	**1000**	10
75-69-4	Trichlorofluoromethane	<10	10
96-18-4	1,2,3-Trichloropropane	<10	10
95-63-6	1,2,4-Trimethylbenzene	<10	10
108-67-8	1,3,5-Trimethylbenzene	<10	10

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1705391**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**SP-03**	Sampled:	05/16/17 10:45
Lab Sample ID:	**1705391-31**	Sampled By:	TRC
Matrix:	Water	Received:	05/18/17 17:24
Unit:	ug/L	Prepared:	05/23/17 07:00 By: DLV
Dilution Factor:	10	Analyzed:	05/23/17 11:24 By: DLV
QC Batch:	1704885	Analytical Batch:	7E24013

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	<10	10
179601-23-1	Xylene, Meta + Para	<20	20
95-47-6	Xylene, Ortho	<10	10

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*97*	*85-118*
1,2-Dichloroethane-d4	*107*	*87-122*
Toluene-d8	*97*	*85-113*
4-Bromofluorobenzene	*95*	*82-110*

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B

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

QC Batch: 1704836 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 05/22/2017 By: DLV
Unit: ug/L Analytical Batch: 7E23010

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)

QC Batch: 1704836 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 05/22/2017 By: DLV
Unit: ug/L Analytical Batch: 7E23010

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
2-Hexanone			<5.0					5.0
Iodomethane			<1.0					1.0
Isopropylbenzene			<1.0					1.0
4-Isopropyltoluene			<5.0					5.0
Methyl tert-Butyl Ether			<5.0					5.0
Methylene Chloride			<5.0			--		5.0
2-Butanone (MEK)			<5.0					5.0
2-Methylnaphthalene			<5.0			--		5.0
4-Methyl-2-pentanone (MIBK)			<5.0			--		5.0
Naphthalene			<5.0			--		5.0
n-Propylbenzene			<1.0					1.0
Styrene			<1.0					1.0
1,1,1,2-Tetrachloroethane			<1.0					1.0
1,1,2,2-Tetrachloroethane			<1.0					1.0
Tetrachloroethene			<1.0					1.0
Tetrahydrofuran			<5.0					5.0
Toluene			<1.0					1.0
1,2,3-Trichlorobenzene			<5.0			--		5.0
1,2,4-Trichlorobenzene			<5.0			--		5.0
1,1,1-Trichloroethane			<1.0					1.0
1,1,2-Trichloroethane			<1.0					1.0
Trichloroethene			<1.0					1.0
Trichlorofluoromethane			<1.0					1.0
1,2,3-Trichloropropane			<1.0					1.0
1,2,4-Trimethylbenzene			<1.0			--		1.0
1,3,5-Trimethylbenzene			<1.0					1.0
Vinyl Chloride			<1.0					1.0
Xylene, Meta + Para			<2.0			--		2.0
Xylene, Ortho			<1.0					1.0
Surrogates:								
Dibromofluoromethane				*95*	*85-118*			
1,2-Dichloroethane-d4				*104*	*87-122*			
Toluene-d8				*95*	*85-113*			

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 1704836 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Method Blank (Continued)					Analyzed:		05/22/2017	By: DLV
Unit: ug/L					Analytical Batch:		7E23010	
Surrogates (Continued):								
4-Bromofluorobenzene				*97*	*82-110*			
Laboratory Control Sample					Analyzed:		05/22/2017	By: DLV
Unit: ug/L					Analytical Batch:		7E23010	
Benzene		40.0	**39.5**	99	84-119	--		1.0
Chlorobenzene		40.0	**39.0**	97	84-118	--		1.0
1,1-Dichloroethene		40.0	**38.2**	95	77-123	--		1.0
Toluene		40.0	**38.8**	97	85-118	--		1.0
Trichloroethene		40.0	**38.4**	96	82-119	--		1.0
Surrogates:								
Dibromofluoromethane				*100*	*85-118*			
1,2-Dichloroethane-d4				*101*	*87-122*			
Toluene-d8				*97*	*85-113*			
4-Bromofluorobenzene				*100*	*82-110*			
Matrix Spike 1705391-14 MW-36s					Analyzed:		05/22/2017	By: DLV
Unit: ug/L					Analytical Batch:		7E23010	
Benzene	<5.0	200	**193**	96	80-129	--		5.0
Chlorobenzene	<5.0	200	**189**	95	80-121	--		5.0
1,1-Dichloroethene	2.05	200	**186**	92	74-134	--		5.0
Toluene	<5.0	200	**188**	94	79-129	--		5.0
Trichloroethene	617	200	**808**	95	75-127	--		5.0
Surrogates:								
Dibromofluoromethane				*100*	*85-118*			
1,2-Dichloroethane-d4				*104*	*87-122*			
Toluene-d8				*96*	*85-113*			
4-Bromofluorobenzene				*100*	*82-110*			
Matrix Spike Duplicate 1705391-14 MW-36s					Analyzed:		05/22/2017	By: DLV
Unit: ug/L					Analytical Batch:		7E23010	
Benzene	<5.0	200	**204**	102	80-129	5	9	5.0

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 1704836 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Matrix Spike Duplicate (Continued) 1705391-14 MW-36s					Analyzed:	05/22/2017	By: DLV	
Unit: ug/L					Analytical Batch:	7E23010		
Chlorobenzene	<5.0	200	**198**	99	80-121	5	8	5.0
1,1-Dichloroethene	2.05	200	**200**	99	74-134	7	11	5.0
Toluene	<5.0	200	**198**	99	79-129	5	9	5.0
Trichloroethene	617	200	**850**	116	75-127	5	10	5.0
Surrogates:								
Dibromofluoromethane				*102*	*85-118*			
1,2-Dichloroethane-d4				*104*	*87-122*			
Toluene-d8				*97*	*85-113*			
4-Bromofluorobenzene				*100*	*82-110*			

QC Batch: 1704837 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank		Analyzed:	05/22/2017	By: DLV
Unit: ug/L		Analytical Batch:	7E23012	
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	

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

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

QC Batch: 1704837 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 05/22/2017 By: DLV
Unit: ug/L Analytical Batch: 7E23012

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
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

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

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

QC Batch: 1704837 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 05/22/2017 By: DLV
Unit: ug/L Analytical Batch: 7E23012

1,1,2-Trichloroethane			<1.0					1.0
Trichloroethene			<1.0					1.0
Trichlorofluoromethane			<1.0					1.0
1,2,3-Trichloropropane			<1.0					1.0
1,2,4-Trimethylbenzene			<1.0			--		1.0
1,3,5-Trimethylbenzene			<1.0					1.0
Vinyl Chloride			<1.0					1.0
Xylene, Meta + Para			<2.0					2.0
Xylene, Ortho			<1.0					1.0
Surrogates:								
Dibromofluoromethane				*97*	*85-118*			
1,2-Dichloroethane-d4				*106*	*87-122*			
Toluene-d8				*96*	*85-113*			
4-Bromofluorobenzene				*93*	*82-110*			

Laboratory Control Sample Analyzed: 05/22/2017 By: DLV
Unit: ug/L Analytical Batch: 7E23012

Benzene		40.0	**39.2**	98	84-119	--		1.0
Chlorobenzene		40.0	**38.8**	97	84-118	--		1.0
1,1-Dichloroethene		40.0	**38.7**	97	77-123	--		1.0
Toluene		40.0	**38.3**	96	85-118	--		1.0
Trichloroethene		40.0	**37.7**	94	82-119	--		1.0
Surrogates:								
Dibromofluoromethane				*100*	*85-118*			
1,2-Dichloroethane-d4				*103*	*87-122*			
Toluene-d8				*97*	*85-113*			
4-Bromofluorobenzene				*100*	*82-110*			

QC Batch: 1704885 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 05/23/2017 By: DLV
Unit: ug/L Analytical Batch: 7E24013

Acetone			<20			--		20

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

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

QC Batch: 1704885 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 05/23/2017 By: DLV
Unit: ug/L Analytical Batch: 7E24013

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)

QC Batch: 1704885 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 05/23/2017 By: DLV
Unit: ug/L Analytical Batch: 7E24013

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Iodomethane			<1.0					1.0
Isopropylbenzene			<1.0					1.0
4-Isopropyltoluene			<5.0					5.0
Methyl tert-Butyl Ether			<5.0					5.0
Methylene Chloride			<5.0			--		5.0
2-Butanone (MEK)			<5.0			--		5.0
2-Methylnaphthalene			<5.0			--		5.0
4-Methyl-2-pentanone (MIBK)			<5.0			--		5.0
Naphthalene			<5.0			--		5.0
n-Propylbenzene			<1.0					1.0
Styrene			<1.0					1.0
1,1,1,2-Tetrachloroethane			<1.0					1.0
1,1,2,2-Tetrachloroethane			<1.0					1.0
Tetrachloroethene			<1.0					1.0
Tetrahydrofuran			<5.0			--		5.0
Toluene			<1.0					1.0
1,2,3-Trichlorobenzene			<5.0			--		5.0
1,2,4-Trichlorobenzene			<5.0			--		5.0
1,1,1-Trichloroethane			<1.0					1.0
1,1,2-Trichloroethane			<1.0					1.0
Trichloroethene			<1.0					1.0
Trichlorofluoromethane			<1.0					1.0
1,2,3-Trichloropropane			<1.0					1.0
1,2,4-Trimethylbenzene			<1.0			--		1.0
1,3,5-Trimethylbenzene			<1.0					1.0
Vinyl Chloride			<1.0					1.0
Xylene, Meta + Para			<2.0					2.0
Xylene, Ortho			<1.0					1.0
Surrogates:								
Dibromofluoromethane				*95*	*85-118*			
1,2-Dichloroethane-d4				*108*	*87-122*			
Toluene-d8				*96*	*85-113*			
4-Bromofluorobenzene				*96*	*82-110*			

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 1704885 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Laboratory Control Sample Analyzed: 05/23/2017 By: DLV
Unit: ug/L Analytical Batch: 7E24013

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Benzene		40.0	**40.7**	102	84-119	--		1.0
Chlorobenzene		40.0	**39.0**	98	84-118	--		1.0
1,1-Dichloroethene		40.0	**40.2**	101	77-123	--		1.0
Toluene		40.0	**39.7**	99	85-118	--		1.0
Trichloroethene		40.0	**38.9**	97	82-119	--		1.0
Surrogates:								
Dibromofluoromethane				*102*	*85-118*			
1,2-Dichloroethane-d4				*106*	*87-122*			
Toluene-d8				*97*	*85-113*			
4-Bromofluorobenzene				*99*	*82-110*			

Matrix Spike 1705391-16 MW-39s Analyzed: 05/23/2017 By: DLV
Unit: ug/L Analytical Batch: 7E24013

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Benzene	<5.0	200	**203**	102	80-129	--		5.0
Chlorobenzene	<5.0	200	**196**	98	80-121	--		5.0
1,1-Dichloroethene	19.5	200	**216**	98	74-134	--		5.0
Toluene	<5.0	200	**197**	99	79-129	--		5.0
Trichloroethene	667	200	**911**	122	75-127	--		5.0
Surrogates:								
Dibromofluoromethane				*102*	*85-118*			
1,2-Dichloroethane-d4				*109*	*87-122*			
Toluene-d8				*98*	*85-113*			
4-Bromofluorobenzene				*102*	*82-110*			

Matrix Spike Duplicate 1705391-16 MW-39s Analyzed: 05/23/2017 By: DLV
Unit: ug/L Analytical Batch: 7E24013

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Benzene	<5.0	200	**206**	103	80-129	2	9	5.0
Chlorobenzene	<5.0	200	**197**	99	80-121	0.5	8	5.0
1,1-Dichloroethene	19.5	200	**222**	101	74-134	3	11	5.0
Toluene	<5.0	200	**199**	99	79-129	0.7	9	5.0

Continued on next page

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Individual sample results relate only to the sample tested.
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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 1704885 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Matrix Spike Duplicate (Continued) 1705391-16 MW-39s					Analyzed:	05/23/2017	By: DLV	
Unit: ug/L					Analytical Batch:	7E24013		
Trichloroethene	667	200	**916**	125	75-127	0.6	10	5.0
Surrogates:								
Dibromofluoromethane				*103*	*85-118*			
1,2-Dichloroethane-d4				*106*	*87-122*			
Toluene-d8				*98*	*85-113*			
4-Bromofluorobenzene				*102*	*82-110*			

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PRETREATMENT SUMMARY PAGE

Client:
Project:

Pretreatment	Lab Sample ID	Batch	By	Date & Time Prepared

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E-1705391

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 3

2159426

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: TRC	Report To: SMetz@trcsolutions.com	Attention:
Address: 1540 Eisenhower Place Ann Arbor MI 48108	Copy To: MPowers@trcsolutions.com	Company Name:
		Address:
Email To:	Purchase Order No.: 104198	Pace Quote Reference:
Phone: Fax:	Project Name:	Pace Project Manager: Jennifer Rice
Requested Due Date/TAT:	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE:

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

(40-24) BOX, 684-W

	ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test #	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1.	1	MW-43S 0'					5/15/17	0938		2				X					X		
2.	2	Dup #01					5/15/17	—		2				X					X		
3.	3	MW 37S					5/15/17	1138		2				X					X		
4.	4	MW 34S					5/15/17	1225		2				X					X		
5.	5	PRB 12S					5/15/17	1316		2				X					X		
6.	6	Dup #02					5/15/17	—		2				X					X		
7.	7	MW-35I					5/15/17	1357		2				X					X		
8.	8	MW-35D					5/15/17	1440		2				X					X		
9.	9	MW-44I					5/15/17	1517		2				X					X		
10.	10	MW 44S					5/15/17	1559		2				X					X		
11.	11	MW 2S					5/16/17	0700		2				X					X		
12.	12	MW-23					5/16/17	0747		2				X					X		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	[signature]	5/16/17	1055	Melissa Powers	5/16/17	1055	
	Melissa Powers	5/16/17	1155	TRC Sample Storage	5/16/17	1155	
	[signature]	5-18-17	1115	TRC			
	Dune	5-18-17	1724	Dune	5-18-17	1111	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact

RECEIVED by Lab ORIGINAL
J. Nardin 5-18-17 1724

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

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E-1705391

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

2159428

Section A Required Client Information:
Company: TRC
Address: 1540 Eisenhower Place, Ann Arbor MI 48108
Email To:
Phone: 734-971-7080 Fax: 734-971-9022
Requested Due Date/TAT:

Section B Required Project Information:
Report To: SMetz@trcsolutions.com
Copy To: MPowers@trcsolutions.com
Purchase Order No.: 104198
Project Name:
Project Number:

Section C Invoice Information:
Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: Jennifer Rice
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER
Site Location STATE:

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N): (40.24)

	ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): GC60B	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
13.	1	MW 36D 01					5/16/17	1129		2				Y					Y		
14.	2	MW-36S MS+MSD 02					5/16/17	1213		5				Y					Y		
15.	3	MW-39D 01					5/16/17	1302		2				Y					Y		
16.	4	MW 39S MS+MSD 02					5/16/17	1341		5				Y					Y		
17.	5	PRB-02S 01					5/16/17	1449		2				Y					Y		
18.	6	PRB-11S					5/16/17	1448		2				Y					Y		
19.	7	PRB-08D					5/17/17	0740		2				Y					Y		
20.	8	PRB 08S					5/17/17	0816		2				Y					Y		
21.	9	MW 45S					5/17/17	0903		2				Y					Y		
22.	10	MW-45I					5/17/17	0949		2				Y					Y		
23.	11	MW 20S					5/17/17	1030		2				Y					Y		
24.	12	MW 20D					5/17/17	1046		2				Y					Y		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	[illegible]	5/17/17	12:00	TRC [illegible]	5/17/17	12:00	
	[illegible]	5-18-17	11:15	TRC			
	[illegible]	5/18/17	1724	[illegible]	5-18-17	1117	
				J. Martin PACE	5/18/17	1724	

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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E1705391

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

2159427

Section A Required Client Information:

Company: TRC
Address: 1540 Eisenhower Pl
Ann Arbor MI 48108
Email To:
Phone: 734 971 7080 Fax: 734 971 9022
Requested Due Date/TAT:

Section B Required Project Information:

Report To: smetz@trcsolutions.com
Copy To: MPowers@trcsolutions.com
Purchase Order No.: 164198
Project Name:
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: Jennifer Rice
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE:

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

Requested Analysis Filtered (Y/N) — (4/10-24)

	ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start Date	Composite Start Time	Composite End/Grab Date	Composite End/Grab Time	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): 8260B	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
25	1	MW 03S	01				5/16/17	0917		2				X					X		
26	2	MW 04S	1				5/16/17	0953		2				X					X		
27	3	MW 04I	1				5/16/17	1039		2				X					X		
28	4	Trip Blank #01	03				~~5/16/17~~	~~10:40~~		2				X					X		
29	5	SP-02	01				5/16/17	10:40		2				X					X		
30	6	SP-01	1				5/16/17	10:35		2				X					X		
31	7	SP-03	1				5/16/17	10:45		2				X					X		
	8																				
	9																				
	10																				
	11																				
	12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	[signature]	5/16/17	1055	Melissa Powers	5/16/17	10:55	
	Melissa Powers	5/16/17	11:55	TRC Sample Storage	5/16/17	11:55	
	[signature]	5-18-17	11:15	TRC			
	[signature]	5/18/17	1724	[signature]	5-18-17	1724	

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact

RECEIVED by Lab: ORIGINAL
P. Rardin 5/18/17 1724

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

SAMPLE RECEIVING / LOG-IN CHECKLIST

Pace Analytical®

Client: IRC - Ann Arbor	Work Order #: 1705391
Receipt Record Page/Line #: 40-24	New / Add To:
	Project Chemist:
	Sample #s:

Recorded by (initials/date): JN 5-18-17

☑ Cooler ☐ Box ☐ Other _____

Qty Received: 1

Thermometer Used: ☑ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#_____)

☐ See Additional Cooler Information Form

Cooler #	Time	Custody Seals	Coolant Type	Coolant Location	Temp Blank Present	If Present, Temperature Blank Location is
TT2115	2358	☑ None ☐ Present / Intact ☐ Present / Not Intact	☑ Loose Ice ☑ Bagged Ice ☐ Blue Ice ☐ None	Dispersed / Top / Middle / Bottom	☑ Yes ☐ No	☑ Representative ☐ Not Representative
Cooler #	Time	Custody Seals	Coolant Type	Coolant Location	Temp Blank Present	If Present, Temperature Blank Location is
		☐ None ☐ Present / Intact ☐ Present / Not Intact	☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None	Dispersed / Top / Middle / Bottom	☐ Yes ☐ No	☐ Representative ☐ Not Representative
Cooler #	Time	Custody Seals	Coolant Type	Coolant Location	Temp Blank Present	If Present, Temperature Blank Location is
		☐ None ☐ Present / Intact ☐ Present / Not Intact	☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None	Dispersed / Top / Middle / Bottom	☐ Yes ☐ No	☐ Representative ☐ Not Representative
Cooler #	Time	Custody Seals	Coolant Type	Coolant Location	Temp Blank Present	If Present, Temperature Blank Location is
		☐ None ☐ Present / Intact ☐ Present / Not Intact	☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None	Dispersed / Top / Middle / Bottom	☐ Yes ☐ No	☐ Representative ☐ Not Representative

	Observed °C	Correction Factor °C	Actual °C
Temp Blank	1.2	0	1.2
Sample 1	2.6	0	2.6
Sample 2	2.7	0	2.7
Sample 3	3.1	0	3.1
3 Sample Average °C:			2.8

☑ Cooler ID on COC? ☑ VOC Trip Blank received? (4)

	Observed °C	Correction Factor °C	Actual °C
Temp Blank			
Sample 1			
Sample 2			
Sample 3			
3 Sample Average °C:			

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

	Observed °C	Correction Factor °C	Actual °C
Temp Blank			
Sample 1			
Sample 2			
Sample 3			
3 Sample Average °C:			

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

	Observed °C	Correction Factor °C	Actual °C
Temp Blank			
Sample 1			
Sample 2			
Sample 3			
3 Sample Average °C:			

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

If any shaded areas checked, complete Sample Receiving Non-Conformance and/or Inventory Form

Paperwork Received

Yes	No	
☑	☐	Chain of Custody record(s)? If No, Initiated By _____
☑		Received for Lab Signed/Date/Time?
☐	☑	Shipping document?
☑	☐	Other _____

COC Information

☑ Pace COC ☐ Other _____

COC ID Numbers: 2159426, 2159428, 2159427

Check COC for Accuracy

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

Check Sample Preservation

N/A	Yes	No	
	☐	☑	Temperature Blank OR average sample temperature, ≥6° C?
☑	☐	☐	If either is ≥6° C, was thermal preservation required?
☑	☐		If "Yes", Project Chemist Approval Initials: _____
☑	☐		If "Yes" Completed Non Con Cooler - Cont Inventory Form?
☑	☐		Completed Sample Preservation Verification Form?
☑	☐	☐	Samples chemically preserved correctly?
☑	☐		If "No", added orange tag?
	☐	☑	Received pre-preserved VOC soils? ☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

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

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

Sample Condition Summary

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

Notes

(4)

☑ Trip Blank received ☐ Trip Blank not listed on COC

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
JN 5/18/17	5/18/17	Yes / No

Attachment 2
Data Validation Report

Technical Memorandum

Laboratory Data Quality Review

Quarterly Groundwater Sampling
Former Tecumseh Products Company Site
Tecumseh, Michigan

Twenty-three groundwater samples, two duplicate samples, three surface water samples, and one trip blank, were collected by TRC from May 15 to May 17, 2017. The samples were analyzed by Pace Analytical (Pace), located in Grand Rapids, Michigan. The samples were analyzed for volatile organic compounds (VOCs) by USEPA Method 8260B. Sample analysis was completed following protocols specified in the Quality Assurance Project Plan (QAPP) for the former Tecumseh Products Company (TPC) site in Tecumseh, Michigan. TRC performed a data quality review of the laboratory data contained in work orders 1705391. The following sections summarize the data quality review procedure and the results of the review.

Data Quality Review Procedures

The analytical data were reviewed using the USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2016). The USEPA National Functional Guidelines were written for Contract Laboratory Program (CLP) methods. Professional judgment was used in applying the guidance to the groundwater matrix for the non-CLP methodologies (i.e., 8260B, 8260B SIM). The following items were included in the evaluation of the data:

- Consistency between laboratory report, electronic data deliverables (EDD), and chain-of-custody (COC)
- Sample receipt temperature and sample preservation
- Technical holding times for analyses
- Results for trip blanks, equipment blanks, method blanks, laboratory control samples (LCS), matrix spikes (MS), and matrix spike duplicates (MSD)
- Field duplicate precision
- Surrogate recoveries
- Sensitivity (i.e., achievement of required reporting limits [RLs])
- Calibration nonconformances, as noted in the report narrative
- Overall usability of the data.

This data quality review addresses the following items:

- Usability of the data if quality control (QC) results suggest potential problems with all or some of the data;
- Potential sample contamination due to blank contributions; and

- Actions regarding specific QC criteria exceedances.

Findings

The data quality objectives and laboratory completeness goals for the project were met, and the data are usable. 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 properly preserved and arrived to the lab at appropriate temperatures (<6.0°C).
- The laboratory analyzed three method blanks for VOCs and one trip blank for VOCs. No target analytes were detected in the VOC method blanks or trip blank.
- The laboratory performed an LCS with each analytical batch. Recoveries for select compounds were reported and were within the laboratory control limits.
- The laboratory performed MS/MSD analyses on samples MW-36s and MW-39s for VOCs. Recoveries and relative percent differences (RPDs) for select compounds were reported and were within laboratory control limits.
- Two field duplicates were collected. DUP-01 corresponds with sample MW-37s and DUP-02 corresponds with sample MW-35I. RPDs were within control limits.
- Surrogate recoveries were within control limits.
- Dilutions were performed on some samples, due to the concentrations of select target compounds which would have exceeded the calibration range if analyzed undiluted. RLs were elevated accordingly.
- Continuing calibration verification (CCV) recoveries were outside the acceptance limits as follows:
  - The recovery of carbon disulfide in the CCV was above upper control limits for select samples in laboratory work order 1705391. Potentially affected samples include DUP-01, MW-34s, PRB-12s, DUP-02, MW-39s, PRB-02s, MW-04s, TB-01, SP-02, SP-01, SP-03. Carbon disulfide was not detected in this event or any other groundwater sampling event over more than 6 years of routine monitoring. As such, the high CCV recovery of carbon disulfide is not expected to have impacted the reported results. Therefore, no data qualifiers were assigned.

Prepared by: Mellisa Powers
Reviewed by: Stacy Metz

Appendix C
Gas Composition at Methane Vent Locations Table
Second Quarter 2017

Table C1
Summary of Gas Composition at Methane Vent Locations
PRB Performance Monitoring
Tecumseh Products Company
Tecumseh, Michigan

Analyte		Methane	Carbon Dioxide	Oxygen	Balance Gas
Units		%	%	%	%
V-01[1,2]	11/4/2011	10.8	2.7	15.0	71.3
	11/14/2011	16.0	4.5	12.2	67.7
	12/14/2011	24.0	4.0	10.0	62.6
	1/24/2012	0.0	0.0	21.5	78.5
	2/15/2012	8.1	3.9	13.8	74.2
	2/22/2012	0.9	1.8	18.5	78.7
	2/28/2012	0.5	1.7	19.3	78.5
	3/7/2012	0.7	1.4	19.2	78.7
	3/21/2012	0.7	2.6	18.6	78.0
	5/2/2012	0.5	1.1	18.8	79.5
	6/14/2012	0.1	1.1	20.6	78.2
	8/23/2012	0.2	1.2	19.3	79.3
	11/29/2012	0.0	0.8	20.4	78.6
	1/24/2013	0.0	0.4	20.3	79.2
	2/28/2013	0.0	0.7	19.8	79.5
	3/25/2013	0.0	0.5	20.1	79.2
	5/23/2013	0.0	0.6	21.4	78.0
	8/16/2013	0.0	1.6	19.4	79.0
	11/5/2013	0.0	0.6	20.0	79.3
	1/28/2014[4]	--	--	--	--
	2/26/2014	0.0	0.9	19.0	80.1
	3/21/2014	0.0	0.5	19.9	79.5
	5/21/2014	0.0	0.6	20.1	79.3
	7/16/2014	0.0	0.6	20.1	79.2
	11/12/2014	0.1	0.7	20.6	78.6
	12/4/2014	0.0	0.2	21.0	78.7
	1/14/2015	0.0	0.2	20.7	78.7
	2/26/2015	0.0	0.6	20.4	78.9
	5/27/2015	0.1	0.4	20.4	79.2
	9/1/2015	0.0	0.5	20.4	79.1
	11/5/2015	0.0	0.5	20.5	78.9
	3/2/2016	0.0	0.4	21.1	78.5
	4/19/2016	0.0	0.3	20.6	79.1
	7/6/2016	0.0	0.3	20.1	79.6
	11/29/2016	0.0	0.3	20.9	78.7
	2/13/2017	0.0	0.4	20.3	79.3
	5/16/2017	0.0	0.3	20.6	79.1

Notes:

Passive vents were installed at all locations (V-01 through V-15) on October 27-28, 2011 in order to reduce methane concentrations in the subsurface soil gas to less than 5.1-percent.

1) Concentrations of methane at vent locations V-01, V-02, V-03 and V-04 triggered a pilot study for active soil gas removal which was conducted on December 22, 2011.
2) Based on pilot study results, an active soil gas removal system was designed and installed at vents V-01, V-02 and V-03. The permanent power-supply was installed, and the active system became fully functional on February 15, 2012.
3) Water in sample port. Gas reading terminated prior to stabilization.
4) Sample port frozen.
5) Heavy snow and ice cover prevented sample collection.

Table C1
Summary of Gas Composition at Methane Vent Locations
PRB Performance Monitoring
Tecumseh Products Company
Tecumseh, Michigan

Analyte		Methane	Carbon Dioxide	Oxygen	Balance Gas
Units		%	%	%	%
V-02[1,2]	11/4/2011	39.5	3.9	10.1	46.7
	11/14/2011	32.0	4.3	8.8	53.5
	12/14/2011	33.0	3.2	11.8	52.8
	1/24/2012	26.4	4.6	3.7	65.4
	2/15/2012	12.6	4.2	11.9	71.3
	2/22/2012	1.8	2.4	15.5	80.2
	2/28/2012	0.9	2.7	17.3	79.0
	3/7/2012	1.2	2.2	17.5	78.9
	3/21/2012	1.0	3.4	17.3	78.3
	5/2/2012	1.0	3.1	16.6	79.3
	6/14/2012	0.5	2.4	19.2	77.9
	8/23/2012	0.2	1.8	18.6	79.4
	11/29/2012	0.0	1.0	20.2	78.7
	1/24/2013	0.0	0.5	20.3	79.1
	2/28/2013	0.0	0.7	19.6	79.7
	3/25/2013	0.0	0.4	20.6	78.8
	5/23/2013	0.0	0.6	21.4	78.0
	8/16/2013	0.0	1.6	19.3	79.1
	11/5/2013	0.0	0.8	19.9	79.3
	1/28/2014[4]	--	--	--	--
	2/26/2014	0.0	0.9	20.2	78.9
	3/21/2014	0.0	0.4	20.6	79.0
	5/19/2014	0.0	0.4	20.2	79.4
	7/16/2014	0.0	0.6	20.1	79.3
	11/12/2014	0.1	0.8	20.5	78.5
	12/4/2014	0.0	0.1	21.2	78.6
	1/14/2015	0.0	0.7	21.0	78.4
	2/26/2015	0.0	0.6	20.5	78.8
	5/27/2015	0.0	0.4	20.5	79.1
	9/1/2015	0.0	0.6	20.2	79.2
	11/5/2015	0.0	0.6	20.5	78.8
	3/2/2016	0.0	0.2	21.4	78.4
	4/19/2016	0.0	0.2	20.6	79.0
	7/6/2016	0.0	0.4	19.9	79.7
	11/29/2016	0.0	0.2	21.1	78.6
	2/13/2017	0.0	0.2	20.2	79.3
	5/16/2017	0.0	0.3	20.7	79.0

Notes:

Passive vents were installed at all locations (V-01 through V-15) on October 27-28, 2011 in order to reduce methane concentrations in the subsurface soil gas to less than 5.1-percent.

1) Concentrations of methane at vent locations V-01, V-02, V-03 and V-04 triggered a pilot study for active soil gas removal which was conducted on December 22, 2011.
2) Based on pilot study results, an active soil gas removal system was designed and installed at vents V-01, V-02 and V-03. The permanent power-supply was installed, and the active system became fully functional on February 15, 2012.
3) Water in sample port. Gas reading terminated prior to stabilization.
4) Sample port frozen.
5) Heavy snow and ice cover prevented sample collection.

Table C1
Summary of Gas Composition at Methane Vent Locations
PRB Performance Monitoring
Tecumseh Products Company
Tecumseh, Michigan

Analyte		Methane	Carbon Dioxide	Oxygen	Balance Gas
Units		%	%	%	%
V-03[1,2]	11/4/2011	18.9	2.0	15.7	63.4
	11/14/2011	29.0	3.1	13.2	54.3
	12/14/2011	33.0	2.8	14.0	50.3
	1/24/2012	0.0	0.0	21.5	78.4
	2/15/2012	32.6	4.1	5.9	57.4
	2/22/2012	12.0	3.3	11.7	73.3
	2/28/2012	6.8	3.5	13.2	76.6
	3/7/2012	6.5	3.5	12.9	77.0
	3/21/2012	5.4	4.7	12.5	77.3
	5/2/2012	6.1	5.3	12.3	76.3
	6/14/2012	1.4	4.4	16.1	78.2
	8/23/2012	0.7	4.6	14.3	80.4
	11/29/2012	0.1	2.7	18.3	79.0
	1/24/2013	0.0	1.2	18.7	80.0
	2/28/2013	0.0	1.4	17.8	80.8
	3/25/2013	0.0	1.0	19.0	78.9
	5/23/2013	0.0	1.8	19.7	78.4
	8/16/2013	0.0	3.5	16.6	80.0
	11/5/2013	0.0	2.0	18.0	79.9
	1/28/2014	0.0	1.6	18.9	79.3
	2/26/2014	0.0	1.4	19.4	79.2
	3/21/2014	0.0	0.1	21.1	78.8
	5/21/2014	0.0	1.0	19.2	79.8
	7/16/2014	0.0	1.5	18.8	79.6
	11/12/2014	0.1	1.9	19.5	78.4
	12/4/2014	0.0	0.9	20.3	78.8
	1/14/2015	0.0	1.2	20.5	78.3
	2/26/2015	0.0	0.9	20.0	78.9
	5/27/2015	0.0	1.1	19.7	79.2
	9/1/2015	0.0	1.5	19.1	79.4
	11/5/2015	0.0	1.0	19.9	79.1
	3/2/2015	0.0	0.5	21.0	78.5
	4/19/2016	0.0	0.4	20.2	79.3
	7/6/2016	0.0	1.0	19.2	79.8
	11/29/2016	0.0	0.3	20.9	78.8
	2/13/2017	0.0	0.6	20.2	79.1
	5/16/2017	0.0	0.5	20.1	79.4

Notes:

Passive vents were installed at all locations (V-01 through V-15) on October 27-28, 2011 in order to reduce methane concentrations in the subsurface soil gas to less than 5.1-percent.

1) Concentrations of methane at vent locations V-01, V-02, V-03 and V-04 triggered a pilot study for active soil gas removal which was conducted on December 22, 2011.
2) Based on pilot study results, an active soil gas removal system was designed and installed at vents V-01, V-02 and V-03. The permanent power-supply was installed, and the active system became fully functional on February 15, 2012.
3) Water in sample port. Gas reading terminated prior to stabilization.
4) Sample port frozen.
5) Heavy snow and ice cover prevented sample collection.

Table C1
Summary of Gas Composition at Methane Vent Locations
PRB Performance Monitoring
Tecumseh Products Company
Tecumseh, Michigan

Analyte		Methane	Carbon Dioxide	Oxygen	Balance Gas
Units		%	%	%	%
V-04[1]	11/4/2011	10.2	0.6	17.9	72.7
	11/14/2011	25.6	1.5	14.3	58.4
	12/14/2011	5.8	0.4	20.5	72.8
	1/24/2012	0.9	0.1	21.1	77.9
	2/15/2012	0.1	0.0	20.5	79.3
	2/28/2012	0.0	0.0	21.0	78.9
	3/7/2012	1.5	0.0	20.2	78.1
	3/21/2012	0.0	0.0	20.8	79.1
	5/2/2012	0.0	0.0	20.2	79.7
	6/14/2012	0.0	0.1	21.5	78.4
	8/23/2012	0.1	0.0	20.6	79.2
	11/29/2012	0.0	0.1	21.1	78.7
	1/24/2013	0.0	0.1	20.7	79.0
	2/28/2013	0.0	0.0	21.4	78.6
	3/25/2013	0.0	0.1	20.7	79.1
	5/23/2013	0.0	0.0	22.2	77.8
	8/16/2013	0.0	0.0	20.4	79.6
	11/5/2013	0.0	0.1	20.8	79.0
	1/28/2014	0.0	0.3	21.0	78.6
	2/26/2014	0.0	0.1	22.1	77.8
	3/21/2014	0.0	0.1	21.3	78.6
	5/19/2014	0.0	0.0	20.8	79.2
	7/16/2014	0.0	0.0	20.8	79.2
	11/12/2014	0.0	0.0	21.2	78.7
	12/4/2014	0.0	0.0	21.6	78.4
	1/14/2015	0.0	0.2	22.0	77.8
	2/26/2015	0.0	0.1	21.2	78.6
	5/27/2015	0.0	0.0	21.0	79.0
	9/1/2015	0.0	0.0	20.6	79.4
	11/5/2015	0.0	0.0	21.0	78.9
	3/2/2016	0.0	0.0	21.8	78.2
	4/19/2016	0.0	0.0	21.0	79.0
	7/6/2016	0.0	0.0	20.2	79.8
	11/29/2016	0.0	0.0	21.2	78.7
	2/13/2017	0.0	0.1	20.5	79.3
	5/16/2017	0.0	0.0	21.1	78.9

Notes:

Passive vents were installed at all locations (V-01 through V-15) on October 27-28, 2011 in order to reduce methane concentrations in the subsurface soil gas to less than 5.1-percent.

1) Concentrations of methane at vent locations V-01, V-02, V-03 and V-04 triggered a pilot study for active soil gas removal which was conducted on December 22, 2011.
2) Based on pilot study results, an active soil gas removal system was designed and installed at vents V-01, V-02 and V-03. The permanent power-supply was installed, and the active system became fully functional on February 15, 2012.
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4) Sample port frozen.
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Table C1
Summary of Gas Composition at Methane Vent Locations
PRB Performance Monitoring
Tecumseh Products Company
Tecumseh, Michigan

Analyte		Methane	Carbon Dioxide	Oxygen	Balance Gas
Units		%	%	%	%
V-05	11/4/2011	0.3	0.3	20.0	79.5
	11/14/2011	0.2	0.2	21.2	78.3
	12/14/2011	0.7	0.3	21.4	77.7
	1/24/2012	0.2	0.1	21.3	78.4
	2/15/2012	0.2	0.3	20.4	79.1
	3/21/2012	0.0	0.0	20.9	79.1
	5/2/2012	0.2	0.1	20.2	79.6
	6/14/2012	0.1	0.3	21.1	78.2
	8/23/2012	0.7	6.2	11.2	81.8
	11/29/2012	0.7	2.3	18.0	78.9
	1/24/2013	0.5	0.4	19.8	79.1
	2/28/2013	0.0	0.0	21.5	78.5
	3/25/2013	1.0	0.6	18.9	79.4
	5/23/2013	4.6	4.0	13.9	77.3
	8/16/2013	0.0	0.0	20.4	79.6
	11/5/2013	0.0	0.1	20.9	78.8
	1/28/2014	0.6	2.0	17.1	80.3
	2/26/2014	0.0	0.2	22.2	77.6
	3/21/2014	0.0	0.1	21.3	78.6
	5/19/2014	1.1	0.7	18.6	79.7
	7/16/2014	0.7	1.1	18.8	79.3
	11/12/2014	1.9	2.8	17.3	77.8
	12/4/2014	0.0	0.0	21.6	78.4
	1/14/2015	0.0	0.2	22.2	77.6
	2/26/2015	0.0	0.1	21.2	78.6
	5/27/2015	0.3	4.3	13.3	82.1
	9/1/2015	0.0	0.1	20.5	79.4
	11/5/2015	1.2	6.3	11.3	81.0
	3/2/2016	0.0	0.0	21.9	78.1
	4/19/2016	0.1	0.2	20.4	79.2
	7/6/2016	0.5	3.9	14.2	81.3
	11/29/2016	0.0	0.1	21.0	78.9
	2/13/2017	0.0	0.1	20.2	79.5
	5/16/2017	0.0	0.2	20.3	79.5

Notes:

Passive vents were installed at all locations (V-01 through V-15) on October 27-28, 2011 in order to reduce methane concentrations in the subsurface soil gas to less than 5.1-percent.

1) Concentrations of methane at vent locations V-01, V-02, V-03 and V-04 triggered a pilot study for active soil gas removal which was conducted on December 22, 2011.
2) Based on pilot study results, an active soil gas removal system was designed and installed at vents V-01, V-02 and V-03. The permanent power-supply was installed, and the active system became fully functional on February 15, 2012.
3) Water in sample port. Gas reading terminated prior to stabilization.
4) Sample port frozen.
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Table C1
Summary of Gas Composition at Methane Vent Locations
PRB Performance Monitoring
Tecumseh Products Company
Tecumseh, Michigan

Analyte		Methane	Carbon Dioxide	Oxygen	Balance Gas
Units		%	%	%	%
V-06	11/4/2011	0.2	0.2	20.3	79.1
	11/14/2011	0.7	0.3	21.1	77.9
	12/14/2011	0.7	0.2	21.8	77.3
	1/24/2012	0.9	0.2	21.2	77.7
	2/15/2012	0.7	0.1	20.5	78.8
	3/21/2012	0.5	0.0	20.7	78.7
	5/2/2012	0.5	0.1	20.0	79.3
	6/14/2012	0.3	0.2	21.2	78.0
	8/23/2012	1.4	5.6	12.7	80.1
	11/29/2012	1.0	2.5	17.3	78.7
	1/24/2013	2.0	0.6	19.3	78.1
	2/28/2013	6.6	1.3	16.9	75.1
	3/25/2013	6.4	1.2	16.8	75.6
	5/23/2013	7.0	2.5	16.4	73.8
	8/16/2013	0.9	0.3	19.9	78.8
	11/5/2013	3.5	0.8	18.4	77.3
	1/28/2014	2.7	1.9	17.5	77.5
	2/26/2014	4.3	0.6	18.9	76.2
	3/21/2014	0.0	0.3	21.4	78.3
	5/19/2014	3.1	0.6	18.6	77.6
	7/16/2014	1.1	0.7	19.4	78.6
	11/12/2014	4.0	2.2	17.7	76.1
	12/4/2014	0.9	0.0	20.8	78.2
	1/14/2015	0.3	0.3	22.0	77.4
	2/26/2015	0.5	0.3	20.5	78.6
	5/27/2015	4.2	2.1	16.4	77.4
	9/1/2015	0.0	0.1	20.4	79.5
	11/5/2015	1.2	6.5	11.0	81.1
	3/2/2016	1.2	0.5	20.7	77.7
	4/19/2016	1.3	0.3	19.9	78.4
	7/6/2016	2.4	4.6	13.6	79.4
	11/29/2016	1.6	1.6	18.3	78.4
	2/13/2017	1.2	0.6	19.1	79.1
	5/16/2017	0.7	0.2	20.4	78.6

Notes:

Passive vents were installed at all locations (V-01 through V-15) on October 27-28, 2011 in order to reduce methane concentrations in the subsurface soil gas to less than 5.1-percent.

1) Concentrations of methane at vent locations V-01, V-02, V-03 and V-04 triggered a pilot study for active soil gas removal which was conducted on December 22, 2011.
2) Based on pilot study results, an active soil gas removal system was designed and installed at vents V-01, V-02 and V-03. The permanent power-supply was installed, and the active system became fully functional on February 15, 2012.
3) Water in sample port. Gas reading terminated prior to stabilization.
4) Sample port frozen.
5) Heavy snow and ice cover prevented sample collection.

Table C1
Summary of Gas Composition at Methane Vent Locations
PRB Performance Monitoring
Tecumseh Products Company
Tecumseh, Michigan

Analyte		Methane	Carbon Dioxide	Oxygen	Balance Gas
Units		%	%	%	%
V-07	11/4/2011	0.0	0.1	20.4	79.3
	11/14/2011	0.4	0.2	21.1	78.1
	12/14/2011	1.0	0.2	21.7	77.1
	1/24/2012	0.2	0.1	21.3	78.4
	2/15/2012	0.3	0.1	20.8	78.9
	3/21/2012	0.1	0.0	20.8	79.0
	5/2/2012	0.0	0.0	20.3	79.7
	6/14/2012	0.0	0.1	21.4	78.5
	8/23/2012	0.1	0.3	20.4	79.2
	11/29/2012	0.4	1.2	19.7	78.6
	1/24/2013	1.5	0.5	19.5	78.3
	2/28/2013	6.5	0.8	17.6	75.0
	3/25/2013	5.0	0.9	16.8	76.9
	5/23/2013	2.9	1.6	17.8	77.7
	8/16/2013	0.3	0.1	20.3	79.3
	11/5/2013	1.6	0.5	19.8	78.1
	1/28/2014	2.3	0.9	18.7	78.3
	2/26/2014	2.9	0.6	20.6	75.9
	3/21/2014	0.0	0.2	21.4	78.4
	5/19/2014	0.7	0.2	19.9	79.3
	7/16/2014	0.1	0.1	20.5	79.2
	11/12/2014	0.7	0.6	20.3	78.3
	12/4/2014	0.0	0.0	21.4	78.5
	1/14/2015	0.0	0.2	22.4	77.4
	2/26/2015	0.0	0.2	21.2	78.4
	5/27/2015	0.6	0.6	19.5	79.2
	9/1/2015	0.0	0.0	20.5	79.5
	11/5/2015	0.9	2.6	16.6	79.8
	3/2/2016	0.3	0.1	21.6	78.0
	4/19/2016	0.4	0.1	20.7	78.8
	7/6/2016	0.8	1.2	18.3	79.7
	11/29/2016	0.3	1.5	18.5	79.7
	2/13/2017	0.0	0.1	20.3	79.4
	5/16/2017	0.0	0.1	20.8	79.1

Notes:

Passive vents were installed at all locations (V-01 through V-15) on October 27-28, 2011 in order to reduce methane concentrations in the subsurface soil gas to less than 5.1-percent.

1) Concentrations of methane at vent locations V-01, V-02, V-03 and V-04 triggered a pilot study for active soil gas removal which was conducted on December 22, 2011.
2) Based on pilot study results, an active soil gas removal system was designed and installed at vents V-01, V-02 and V-03. The permanent power-supply was installed, and the active system became fully functional on February 15, 2012.
3) Water in sample port. Gas reading terminated prior to stabilization.
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5) Heavy snow and ice cover prevented sample collection.

Table C1
Summary of Gas Composition at Methane Vent Locations
PRB Performance Monitoring
Tecumseh Products Company
Tecumseh, Michigan

Analyte		Methane	Carbon Dioxide	Oxygen	Balance Gas
Units		%	%	%	%
V-08	11/4/2011	0.9	0.1	20.1	78.7
	11/14/2011	2.4	0.3	20.3	76.9
	12/14/2011	1.5	0.2	21.6	77.0
	1/24/2012	1.7	0.1	20.8	77.5
	2/15/2012	1.8	0.2	20.3	77.5
	3/21/2012	1.3	0.0	20.4	78.3
	5/2/2012	0.6	0.1	19.6	79.6
	6/14/2012	0.5	0.4	20.9	78.2
	8/23/2012	1.4	3.5	15.3	79.7
	11/29/2012	0.2	0.6	20.7	78.5
	1/24/2013	0.4	0.3	20.6	78.5
	2/28/2013	0.0	0.0	21.7	78.3
	3/25/2013	0.9	0.3	20.0	78.7
	5/23/2013	2.8	1.4	18.9	76.8
	8/16/2013	0.0	0.1	20.4	79.5
	11/5/2013	1.2	3.2	13.7	81.8
	1/28/2014	1.5	1.0	19.2	78.5
	2/26/2014	1.5	0.6	21.2	76.7
	3/21/2014	0.0	0.1	21.6	78.3
	5/19/2014	0.3	0.3	19.7	79.8
	7/16/2014	0.2	0.5	19.9	79.1
	11/12/2014	1.5	1.5	19.5	77.5
	12/4/2014	0.0	0.0	21.4	78.5
	1/14/2015	0.0	0.2	22.2	77.6
	2/26/2015	0.2	0.4	20.5	78.8
	5/27/2015	2.1	2.3	16.9	78.8
	9/1/2015	0.0	0.1	20.5	79.4
	11/5/2015	0.2	2.9	16.9	79.9
	3/2/2016	0.1	0.1	21.8	78.0
	4/19/2016	0.3	1.4	18.3	79.9
	7/6/2016	0.1	2.5	17.4	80.0
	11/29/2016	0.2	1.6	18.6	79.6
	2/13/2017	0.0	0.2	20.5	79.5
	5/16/2017	0.0	0.5	20.5	79.0

Notes:

Passive vents were installed at all locations (V-01 through V-15) on October 27-28, 2011 in order to reduce methane concentrations in the subsurface soil gas to less than 5.1-percent.

1) Concentrations of methane at vent locations V-01, V-02, V-03 and V-04 triggered a pilot study for active soil gas removal which was conducted on December 22, 2011.
2) Based on pilot study results, an active soil gas removal system was designed and installed at vents V-01, V-02 and V-03. The permanent power-supply was installed, and the active system became fully functional on February 15, 2012.
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Table C1
Summary of Gas Composition at Methane Vent Locations
PRB Performance Monitoring
Tecumseh Products Company
Tecumseh, Michigan

Analyte		Methane	Carbon Dioxide	Oxygen	Balance Gas
Units		%	%	%	%
V-09	11/4/2011	0.1	0.0	20.4	79.4
	11/14/2011	0.3	0.1	21.0	78.3
	12/14/2011	0.0	0.0	22.2	77.8
	1/24/2012	0.4	0.1	21.0	78.3
	2/15/2012	0.2	0.1	20.8	78.8
	3/21/2012	0.0	0.1	20.6	79.2
	5/2/2012	0.0	0.1	19.8	80.1
	6/14/2012	0.0	0.4	20.9	78.6
	8/23/2012	0.5	0.6	19.8	79.0
	11/29/2012	0.6	0.7	20.2	78.4
	1/24/2013	0.8	0.2	20.6	78.3
	2/28/2013	0.0	0.1	21.7	78.2
	3/25/2013	3.2	0.4	19.5	76.6
	5/23/2013	2.8	1.2	19.6	76.6
	8/16/2013	0.0	0.0	20.5	79.5
	11/5/2013	0.6	0.6	19.4	79.2
	1/28/2014	0.8	0.5	20.3	78.3
	2/26/2014	1.0	0.3	21.9	76.8
	3/21/2014	0.0	0.1	21.7	78.2
	5/19/2014	0.3	0.1	19.9	79.7
	7/16/2014	0.2	0.9	19.2	79.5
	11/12/2014	1.0	0.5	20.5	77.9
	12/4/2014	0.0	0.0	21.5	78.4
	1/14/2015	0.0	0.2	22.4	77.4
	2/26/2015	0.1	0.2	21.1	78.5
	5/27/2015	0.8	0.2	20.2	78.9
	9/1/2015	0.0	0.0	20.6	79.4
	11/5/2015	0.1	2.4	17.5	79.8
	3/2/2016	0.0	0.0	21.9	78.1
	4/19/2016	0.1	0.0	20.9	78.9
	7/6/2016	0.0	1.8	17.8	80.4
	11/29/2016	0.1	0.8	19.8	79.3
	2/13/2017	0.0	0.2	20.3	79.5
	5/16/2017	0.0	0.0	20.9	79.1

Notes:

Passive vents were installed at all locations (V-01 through V-15) on October 27-28, 2011 in order to reduce methane concentrations in the subsurface soil gas to less than 5.1-percent.

1) Concentrations of methane at vent locations V-01, V-02, V-03 and V-04 triggered a pilot study for active soil gas removal which was conducted on December 22, 2011.
2) Based on pilot study results, an active soil gas removal system was designed and installed at vents V-01, V-02 and V-03. The permanent power-supply was installed, and the active system became fully functional on February 15, 2012.
3) Water in sample port. Gas reading terminated prior to stabilization.
4) Sample port frozen.
5) Heavy snow and ice cover prevented sample collection.

Table C1
Summary of Gas Composition at Methane Vent Locations
PRB Performance Monitoring
Tecumseh Products Company
Tecumseh, Michigan

Analyte		Methane	Carbon Dioxide	Oxygen	Balance Gas
Units		%	%	%	%
V-10	11/4/2011	0.0	0.1	20.5	79.3
	11/14/2011	0.0	0.1	21.3	78.7
	12/14/2011	0.0	0.1	21.7	78.2
	1/24/2012	0.0	0.1	21.2	78.6
	2/15/2012	0.1	0.1	20.8	78.9
	3/21/2012	0.0	0.0	20.9	79.1
	5/2/2012	0.0	0.2	19.7	80.1
	6/14/2012	0.0	0.4	21.0	78.5
	8/23/2012	0.1	1.3	18.5	80.0
	11/29/2012	0.0	3.3	15.9	80.6
	1/24/2013	0.0	0.3	20.6	79.0
	2/28/2013	0.6	1.0	16.6	81.7
	3/25/2013	1.2	2.1	15.7	80.8
	5/23/2013	0.2	6.4	11.7	82.7
	8/16/2013	0.0	4.1	14.2	81.7
	11/5/2013	0.0	5.8	10.9	83.2
	1/28/2014	0.9	4.4	14.4	80.2
	2/26/2014	1.3	3.2	16.6	78.9
	3/21/2014	0.0	0.2	21.5	78.3
	5/19/2014	0.2	0.7	18.5	80.6
	7/16/2014	0.0	5.7	13.2	81.0
	11/12/2014	0.1	4.8	14.7	80.3
	12/4/2014	0.0	0.1	19.8	80.0
	1/14/2015	0.0	0.2	22.3	77.5
	2/26/2015	0.0	0.4	20.7	78.7
	5/27/2015	0.5	5.0	11.8	82.7
	9/1/2015	0.0	0.1	20.4	79.5
	11/5/2015	0.0	4.9	13.1	81.9
	3/2/2016	0.2	0.7	20.6	78.6
	4/19/2016	0.4	2.9	13.1	83.5
	7/6/2016	0.0	6.1	11.4	82.5
	11/29/2016	0.0	4.5	15.1	80.3
	2/13/2017	0.0	0.9	20.5	78.5
	5/16/2017	0.0	0.6	20.0	79.4

Notes:

Passive vents were installed at all locations (V-01 through V-15) on October 27-28, 2011 in order to reduce methane concentrations in the subsurface soil gas to less than 5.1-percent.

1) Concentrations of methane at vent locations V-01, V-02, V-03 and V-04 triggered a pilot study for active soil gas removal which was conducted on December 22, 2011.
2) Based on pilot study results, an active soil gas removal system was designed and installed at vents V-01, V-02 and V-03. The permanent power-supply was installed, and the active system became fully functional on February 15, 2012.
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4) Sample port frozen.
5) Heavy snow and ice cover prevented sample collection.

Table C1
Summary of Gas Composition at Methane Vent Locations
PRB Performance Monitoring
Tecumseh Products Company
Tecumseh, Michigan

Analyte		Methane	Carbon Dioxide	Oxygen	Balance Gas
Units		%	%	%	%
V-11	11/4/2011	0.3	0.2	20.1	79.2
	11/14/2011	0.9	0.3	20.7	78.1
	12/14/2011	0.0	0.0	22.2	77.8
	1/24/2012	0.7	0.1	21.0	78.1
	2/15/2012	0.6	0.1	20.8	78.5
	3/21/2012	0.0	0.0	20.9	79.1
	5/2/2012	0.2	0.1	19.8	79.9
	6/14/2012	0.3	0.4	20.9	78.3
	8/23/2012	3.0	1.9	17.8	77.2
	11/29/2012	3.5	3.5	15.1	77.9
	1/24/2013	1.3	1.2	18.5	79.0
	2/28/2013	3.8	2.0	14.8	79.4
	3/25/2013	5.6	3.8	11.0	79.7
	5/23/2013	6.2	4.1	12.1	76.6
	8/16/2013	2.5	1.9	17.6	78.3
	11/5/2013	5.4	7.6	6.2	80.9
	1/28/2014	3.4	7.4	7.8	81.2
	2/26/2014	3.4	7.1	7.9	81.6
	3/21/2014	0.0	0.2	21.4	78.4
	5/19/2014	1.6	1.2	17.2	80.0
	7/16/2014	2.6	2.2	16.6	78.5
	11/12/2014	3.1	7.1	8.5	81.3
	12/4/2014	0.1	0.6	19.1	80.1
	1/14/2015	0.0	0.5	21.8	77.7
	2/26/2015	0.9	4.8	13.0	81.3
	5/27/2015	6.4	6.4	5.7	81.6
	9/1/2015	0.4	0.4	19.8	79.4
	11/5/2015	1.7	8.0	8.0	82.2
	3/2/2016	0.2	0.8	20.3	78.7
	4/19/2016	0.8	0.6	19.0	79.6
	7/6/2016	3.8	6.8	9.1	80.3
	11/29/2016	0.3	6.9	8.9	83.9
	2/13/2017	0.0	0.2	20.1	79.6
	5/16/2017	0.0	0.1	20.6	79.3

Notes:

Passive vents were installed at all locations (V-01 through V-15) on October 27-28, 2011 in order to reduce methane concentrations in the subsurface soil gas to less than 5.1-percent.

1) Concentrations of methane at vent locations V-01, V-02, V-03 and V-04 triggered a pilot study for active soil gas removal which was conducted on December 22, 2011.
2) Based on pilot study results, an active soil gas removal system was designed and installed at vents V-01, V-02 and V-03. The permanent power-supply was installed, and the active system became fully functional on February 15, 2012.
3) Water in sample port. Gas reading terminated prior to stabilization.
4) Sample port frozen.
5) Heavy snow and ice cover prevented sample collection.

Table C1
Summary of Gas Composition at Methane Vent Locations
PRB Performance Monitoring
Tecumseh Products Company
Tecumseh, Michigan

Analyte		Methane	Carbon Dioxide	Oxygen	Balance Gas
Units		%	%	%	%
V-12	11/4/2011	0.4	0.5	19.7	79.5
	11/14/2011	0.1	0.4	20.5	78.8
	12/14/2011	0.0	0.1	22.2	77.7
	1/24/2012	0.0	0.1	21.1	78.7
	2/15/2012	0.0	0.0	21.0	78.8
	3/21/2012	0.0	0.0	20.9	79.1
	5/2/2012	0.0	0.1	19.9	80.0
	6/14/2012	0.0	0.3	21.1	78.5
	8/23/2012	2.3	1.4	18.0	78.4
	11/29/2012	1.8	3.3	16.3	78.6
	1/24/2013	1.6	1.7	17.5	79.1
	2/28/2013	4.9	3.7	12.1	79.2
	3/25/2013	5.3	4.6	10.6	80.0
	5/23/2013	7.4	7.2	5.2	80.3
	8/16/2013	1.5	1.7	18.2	78.5
	11/5/2013	5.9	9.7	3.8	80.4
	1/28/2014	2.9	5.3	13.1	79.0
	2/26/2014	5.4	6.5	9.5	78.6
	3/21/2014	0.6	0.6	20.2	78.6
	5/19/2014	3.8	2.4	13.2	80.7
	7/16/2014	2.2	3.3	15.0	79.4
	11/12/2014	2.9	9.0	5.7	82.3
	12/4/2014	0.2	0.9	18.8	80.2
	1/14/2015	0.1	0.7	21.5	77.7
	2/26/2015	1.1	5.5	11.7	81.5
	5/27/2015	4.6	8.8	2.8	83.8
	9/1/2015	0.2	0.5	19.9	79.5
	11/5/2015	0.5	6.3	11.6	81.5
	3/2/2016	0.6	1.3	21.8	76.3
	4/19/2016	1.4	1.4	17.5	79.6
	7/6/2016	0.8	4.2	14.6	80.4
	11/29/2016	0.2	7.1	10.2	82.5
	2/13/2017	0.5	2.1	18.2	79.2
	5/16/2017	0.8	1.4	18.7	79.1

Notes:

Passive vents were installed at all locations (V-01 through V-15) on October 27-28, 2011 in order to reduce methane concentrations in the subsurface soil gas to less than 5.1-percent.

1) Concentrations of methane at vent locations V-01, V-02, V-03 and V-04 triggered a pilot study for active soil gas removal which was conducted on December 22, 2011.
2) Based on pilot study results, an active soil gas removal system was designed and installed at vents V-01, V-02 and V-03. The permanent power-supply was installed, and the active system became fully functional on February 15, 2012.
3) Water in sample port. Gas reading terminated prior to stabilization.
4) Sample port frozen.
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Table C1
Summary of Gas Composition at Methane Vent Locations
PRB Performance Monitoring
Tecumseh Products Company
Tecumseh, Michigan

Analyte		Methane	Carbon Dioxide	Oxygen	Balance Gas
Units		%	%	%	%
V-13	11/4/2011	0.2	0.5	19.8	79.7
	11/14/2011	0.1	0.6	20.4	78.8
	12/14/2011	0.4	0.5	20.9	78.1
	1/24/2012	0.6	0.2	20.7	78.5
	2/15/2012	0.4	0.2	20.8	78.6
	3/21/2012	0.0	0.0	20.9	79.1
	5/2/2012	0.1	0.2	19.7	79.9
	6/14/2012	0.1	3.0	16.6	80.3
	8/23/2012	0.2	0.4	20.0	79.1
	11/29/2012	0.1	0.8	20.3	78.7
	1/24/2013	0.0	1.0	19.0	79.9
	2/28/2013	1.3	0.7	18.4	79.5
	3/25/2013	0.7	0.6	18.6	80.1
	5/23/2013	1.4	2.4	17.0	79.1
	8/16/2013	0.0	0.1	20.3	79.6
	11/5/2013	3.5	6.2	9.3	81.0
	1/28/2014	1.1	1.8	17.5	79.6
	2/26/2014	2.9	1.0	17.8	78.3
	3/21/2014	0.0	0.1	21.5	78.4
	5/19/2014	1.5	1.3	16.8	80.4
	7/16/2014	0.9	1.0	18.6	79.4
	11/12/2014	2.7	6.7	9.8	80.7
	12/4/2014	0.5	1.3	17.7	80.3
	1/14/2015	0.1	0.4	22.0	77.5
	2/26/2015	0.1	0.2	21.3	78.3
	5/27/2015	3.9	3.3	14.3	78.6
	9/1/2015	0.7	0.4	19.8	79.1
	11/5/2015	5.6	8.3	7.3	78.7
	3/2/2016	0.7	1.1	22.0	76.2
	4/19/2016	0.7	0.2	20.1	78.8
	7/6/2016	2.2	1.9	17.1	78.8
	11/29/2016	0.8	7.3	9.2	82.8
	2/13/2017	0.9	0.9	18.2	79.7
	5/16/2017	2.7	0.9	18.7	77.7

Notes:

Passive vents were installed at all locations (V-01 through V-15) on October 27-28, 2011 in order to reduce methane concentrations in the subsurface soil gas to less than 5.1-percent.

1) Concentrations of methane at vent locations V-01, V-02, V-03 and V-04 triggered a pilot study for active soil gas removal which was conducted on December 22, 2011.
2) Based on pilot study results, an active soil gas removal system was designed and installed at vents V-01, V-02 and V-03. The permanent power-supply was installed, and the active system became fully functional on February 15, 2012.
3) Water in sample port. Gas reading terminated prior to stabilization.
4) Sample port frozen.
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Table C1
Summary of Gas Composition at Methane Vent Locations
PRB Performance Monitoring
Tecumseh Products Company
Tecumseh, Michigan

Analyte		Methane	Carbon Dioxide	Oxygen	Balance Gas
Units		%	%	%	%
V-14	11/4/2011	0.3	3.1	15.5	81.0
	11/14/2011	0.0	0.3	20.9	78.7
	12/14/2011	1.0	1.4	*19.4*	78.2
	1/24/2012	0.3	0.2	20.8	78.7
	2/15/2012	0.7	0.3	20.4	78.8
	3/21/2012	0.0	0.0	20.9	79.1
	5/2/2012	0.7	1.7	16.3	81.4
	6/14/2012	0.1	6.6	11.2	82.0
	8/23/2012	0.5	7.9	8.7	82.7
	11/29/2012	0.8	4.6	12.5	82.2
	1/24/2013	0.6	1.0	18.7	79.5
	2/28/2013	7.6	1.3	15.5	75.3
	3/25/2013	4.7	1.8	15.6	77.2
	5/23/2013	5.2	4.4	13.2	77.1
	8/16/2013	2.7	6.1	11.3	79.9
	11/5/2013	0.3	9.9	4.4	85.1
	1/28/2014	1.8	3.7	14.8	79.3
	2/26/2014	4.2	2.8	14.5	78.5
	3/21/2014	1.1	0.2	20.5	78.3
	5/19/2014	3.8	2.0	16.5	77.7
	7/16/2014	2.1	6.6	11.3	79.8
	11/12/2014	0.7	5.7	12.7	80.8
	12/4/2014	0.0	4.1	13.6	82.2
	1/14/2015	0.0	0.4	22.1	77.5
	2/26/2015	0.7	5.0	12.1	82.0
	5/27/2015	3.9	7.2	8.2	80.6
	9/1/2015	0.0	0.2	20.3	79.5
	11/5/2015	0.0	6.2	12.1	81.7
	3/2/2016	0.3	1.1	22.3	76.2
	4/19/2016	0.9	0.6	19.5	78.9
	7/6/2016	0.0	8.2	10.9	80.9
	11/29/2016	0.0	5.2	13.1	81.5
	2/13/2017	0.5	0.5	19.5	79.4
	5/16/2017	0.4	3.9	15.4	80.1

Notes:

Passive vents were installed at all locations (V-01 through V-15) on October 27-28, 2011 in order to reduce methane concentrations in the subsurface soil gas to less than 5.1-percent.

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PRB Performance Monitoring
Tecumseh Products Company
Tecumseh, Michigan

Analyte		Methane	Carbon Dioxide	Oxygen	Balance Gas
Units		%	%	%	%
V-15	11/4/2011	0.0	0.3	20.0	79.4
	11/14/2011	0.0	0.3	20.9	78.6
	12/14/2011	0.0	0.0	22.3	77.7
	1/24/2012	0.0	0.1	21.1	78.8
	2/15/2012	0.0	0.0	21.1	78.7
	3/21/2012	0.0	0.0	20.9	79.1
	5/2/2012	0.0	0.0	19.9	80.0
	6/14/2012	0.0	0.0	21.4	78.5
	8/23/2012	0.0	0.9	20.1	78.8
	11/29/2012	0.0	0.8	20.6	78.5
	1/24/2013	0.0	0.5	20.6	78.8
	2/28/2013	0.0	1.2	18.5	80.3
	3/25/2013	0.0	1.3	18.5	80.1
	5/23/2013	0.0	2.5	18.4	79.1
	8/16/2013	0.0	3.0	17.9	79.1
	11/5/2013	0.0	2.3	17.9	79.7
	1/28/2014	0.0	2.2	18.0	79.8
	2/26/2014	0.0	2.4	16.9	80.7
	3/21/2014	0.0	0.3	21.5	78.2
	5/19/2014	0.0	1.6	17.0	81.4
	7/16/2014	0.0	3.3	18.0	78.6
	11/12/2014	0.1	1.7	20.5	77.7
	12/4/2014	0.0	0.0	20.6	79.4
	1/14/2015	0.0	0.3	22.3	77.5
	2/26/2015	0.0	0.2	21.1	78.5
	5/27/2015	0.1	2.4	17.4	80.1
	9/1/2015	0.0	0.1	20.6	79.3
	11/5/2015	0.0	1.7	19.3	79.0
	3/2/2016	0.0	0.6	21.0	78.4
	4/19/2016	0.0	1.2	19.0	79.7
	7/6/2016	0.0	3.1	18.1	78.9
	11/29/2016	0.0	2.4	18.0	79.4
	2/13/2017	0.0	0.8	20.0	79.2
	5/16/2017	0.0	0.8	19.8	79.4

Notes:

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Table C1
Summary of Gas Composition at Methane Vent Locations
PRB Performance Monitoring
Tecumseh Products Company
Tecumseh, Michigan

Analyte		Methane	Carbon Dioxide	Oxygen	Balance Gas
Units		%	%	%	%
SG-02	11/4/2011	0.0	1.2	18.3	80.4
	12/14/2011	0.0	1.0	13.5	85.5
	2/15/2012	0.0	0.6	18.0	81.5
	3/21/2012(3)	0.0	0.5	18.9	79.3
	8/16/2013	0.0	4.5	12.8	82.5
	11/5/2013	0.0	1.6	18.1	80.2
	1/28/2014(5)	--	--	--	--
	2/26/2014(5)	--	--	--	--
	3/21/2014	0.0	0.1	21.7	78.2
	5/21/2014(3)	--	--	--	--
	7/16/2014	0.0	5.6	13.9	80.3
	11/12/2014	0.1	1.8	20.1	77.9
	12/4/2014	0.0	0.8	19.3	79.8
	1/14/2015(5)	--	--	--	--
	2/26/2015(5)	--	--	--	--
	5/27/2015	0.0	0.7	20.1	79.2
	9/1/2015	0.0	3.4	17.1	79.5
	11/5/2015	0.0	1.9	19.2	78.8
	3/2/2016(5)	--	--	--	--
	4/19/2016	0.1	0.2	20.0	79.7
	7/6/2016	0.0	2.7	18.4	78.9
	11/29/2016	0.1	0.0	21.2	78.6
	2/13/2017	0.0	0.1	20.5	79.3
	5/16/2017	0.0	0.0	20.8	79.2

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PRB Performance Monitoring
Tecumseh Products Company
Tecumseh, Michigan

Analyte		Methane	Carbon Dioxide	Oxygen	Balance Gas
Units		%	%	%	%
SG-03	11/4/2011	0.0	4.9	8.1	86.9
	12/14/2011	0.0	1.5	19.5	79.0
	2/15/2012	0.0	0.0	20.9	79.0
	3/21/2012	0.0	0.1	20.6	79.3
SG-03R	8/16/2013	0.0	2.6	18.7	78.7
	11/5/2013	0.0	0.5	20.6	78.8
	1/28/2014(5)	--	--	--	--
	2/26/2014(5)	--	--	--	--
	3/21/2014	0.0	0.1	21.6	78.3
	5/21/2014(3)	--	--	--	--
	7/16/2014	0.0	1.1	19.0	79.8
	11/12/2014	0.1	1.3	20.8	77.7
	12/4/2014(3)	--	--	--	--
	1/14/15(5)	--	--	--	--
	2/26/2015(5)	--	--	--	--
	5/27/2015	0.0	0.2	20.3	79.5
	9/1/2015	0.0	2.2	18.8	79.0
	11/5/2015	0.0	1.0	20.4	78.5
	3/2/2016(5)	--	--	--	--
	4/19/2016	0.0	0.8	19.8	79.4
	7/6/2016	0.0	1.6	19.0	79.4
	11/29/2016	0.1	0.1	21.3	78.5
	2/13/2017	0.0	0.2	20.2	79.7
	5/16/2017	0.0	0.4	17.9	81.8

Notes:

Passive vents were installed at all locations (V-01 through V-15) on October 27-28, 2011 in order to reduce methane concentrations in the subsurface soil gas to less than 5.1-percent.

1) Concentrations of methane at vent locations V-01, V-02, V-03 and V-04 triggered a pilot study for active soil gas removal which was conducted on December 22, 2011.
2) Based on pilot study results, an active soil gas removal system was designed and installed at vents V-01, V-02 and V-03. The permanent power-supply was installed, and the active system became fully functional on February 15, 2012.
3) Water in sample port. Gas reading terminated prior to stabilization.
4) Sample port frozen.
5) Heavy snow and ice cover prevented sample collection.

APPROXIMATE HORIZONTAL SCALE

0 60' 120'

LEGEND

- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- PARCEL BOUNDARY
- B-2 — PERIMETER / OFF-SITE INVESTIGATION SOIL BORING LOCATION AND NUMBER
- PRB-04S — MONITORING WELL LOCATION AND NUMBER
- MW-9S — DECOMMISSIONED MONITORING WELL LOCATION AND NUMBER
- SG-02 — SOIL GAS SAMPLE LOCATION AND NUMBER
- V-04 — METHANE VENT LOCATION AND NUMBER
- PRB LOCATION
- FENCE LINE

NOTES

1. BASE MAP DEVELOPED FROM SITE PLAN PROVIDED BY THE CITY OF TECUMSEH, DRAWING NO. CITY.DWG, MARCH 2009.
2. SITE FEATURES LOCATED HORIZONTALLY USING THE STATE PLANE COORDINATE SYSTEM RELATIVE TO THE NORTH AMERICAN DATUM OF 1983 (NAD 83), INTERNATIONAL FEET, MICHIGAN ZONE SOUTH.

PROJECT:
FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN

TITLE:
METHANE VENT LOCATIONS

DRAWN BY:	DStehle	PROJ NO.:	186299.0001.01
CHECKED BY:	SMetz		
APPROVED BY:	GCrockford		**FIGURE 1**
DATE:	JANUARY 2017		

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FILE NO.: 186299.0001.01.01.dwg

11x17 --- ATTACHED XREF'S: bm033109 --- ATTACHED IMAGES:
DRAWING NAME: J:_TRC\Tecumseh Products\Tecumseh MI\186299\0001\01_2016 4Q Rpt\ 186299.0001.01.01.dwg --- PLOT DATE: January 16, 2017 - 9:27AM --- LAYOUT: FIG01 Methane Vents