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July 15, 2014

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 2014 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 2014 Progress Report. This report describes activities related to the Consent Order completed by TPC during the second quarter 2014 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 USEPA Project Manager is Joseph Kelly.

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

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

- **Investigation Activities**
  - **Characterize Releases at or from the Facility –** The findings of source area investigation activities completed through August 2012 are documented in the September 2012

Remedial Investigation and Groundwater Environmental Indicator Report (2012 RI/EI Report). A Supplemental Groundwater Investigation Workplan was submitted and implemented during the first quarter 2013. A technical memorandum documenting the findings of those investigation activities was submitted as an attachment to the Second Quarter 2013 Progress Report. A passive soil gas survey (PSG) was completed through the central and southern portion of the former TPC building during the third quarter 2013. A Technical Memorandum which summaries the findings of the 2013 passive soil gas survey was included as an Appendix to the First Quarter 2014 Progress Report. In April 2014 a supplemental PSG survey was conducted by TRC to further evaluate certain discrete areas requested by USEPA including the former engineering area, drum storage areas, tank area, areas adjacent to railroad spurs where loading and unloading may have occurred and the area east/southeast of the southern portion of the building where a number of outbuildings and two hazardous waste storage areas were located. A technical memorandum which summarized the findings of the 2014 PSG Survey was submitted to USPEA in June 2014. A source area membrane interface probe (MIP) investigation, initiated in June 2014, is ongoing.

– **Define Appropriate Screening Criteria –** Screening criteria are described in detail in the 2012 RI/EI Report and the 2013 Supplement to the Current Human Exposures Under Control Environmental Indicator Report. Screening criteria include:

  - Generic Michigan Department of Environmental Quality (MDEQ) Part 201 Cleanup Criteria;
  - MDEQ Screening levels for the volatilization to indoor air migration pathway, as documented in the 2013 MDEQ *Guidance Document for the Vapor Intrusion Pathway*;
  - MDEQ Rule 57 Surface Water Quality Values; and
  - A site-specific groundwater contact criterion for trichloroethene (TCE) which reflects the 2011 revisions to TCE toxicity data.

– **Define Any Unacceptable Risks to Human Health –** As described in the 2011 Current Human Exposures Under Control Environmental Indicator Report (2011 EI Report), current human exposures to affected media are under control. In September 2013 the Supplement to the Current Human Exposures Under Control Environmental Indicator Report (2013 HE EI) was prepared and submitted to address USEPA comments (provided between December 2011 and October 2012) and to provide additional data and documentation verifying the 2011 EI Report. USEPA provided comments on the 2013 HE EI on January 31, 2014. During the May 2014 project meeting with USEPA, TPC agreed to attempt (contingent on owner agreement) to further verify this assessment at nine residential properties north of the site and one non-residential property east of the site.

- **Define Any Unacceptable Risks to the Environment –** The potential for unacceptable risk to the environment related to the discharge of affected groundwater to nearby surface water and wetlands was evaluated in the 2012 RI/EI Report. This evaluation includes the use of site-specific mixing zone-based GSI criteria. Data collected to date do not indicate an unacceptable risk to the environment. This evaluation may be updated, as appropriate, prior to submittal of the Supplement to the Groundwater Stabilized Environmental Indicator Report due in July 2015.
- **Determine the Stability of Contaminated Groundwater –** An evaluation of the stability of contaminated groundwater was included in the 2012 RI/EI Report. As additional groundwater data become available, groundwater stability will be reviewed as appropriate. A Supplement to the Groundwater Stabilized Environmental Indicator Report will be provided by the agreed July 2015 due date.

- **Response and Mitigation Measures –** Response and mitigation measures conducted through 2013 are documented in the 2011 EI Report, the 2012 RI/EI Report and the 2013 Supplement to the Current Human Exposures Under Control Environmental Indicator Report. These measures include:
  - A local groundwater use ordinance;
  - The decommissioning of private wells in the vicinity of affected groundwater;
  - A Declaration of Restrictive Covenant and License Agreement Regarding Environmental Work for the site;
  - Mitigation of on-site indoor air in areas that were occupied or are expected to be occupied in the future, including:
    - Installation of a sub-slab depressurization/ventilation (SSDV) system in S-Building (the office area for the site manager)[1]; and
    - Installation of a soil vapor extraction (SVE) system in P-Building.
  - Monitoring and mitigation of off-site indoor air including:
    - Installation of a SSDV system at one residential property east of the site;
    - Completion of crawlspace sampling activities at four residential properties east of the site;
    - Installation of a permeable reactive barrier (PRB) downgradient of the southern source area, to address the potential off-site vapor intrusion pathway, by treating

[1] At present the building is no longer occupied by the site manager or any other regular employees. The site owner has disconnected electrical service. Consequently this SSDV is not, at present, operational.

shallow groundwater affected with chlorinated volatile organic compounds (CVOCs) before the groundwater migrates off-site; and

- Installation of a perimeter SVE system as described in the November 2013 Workplan to Install a Perimeter Soil Vapor Extraction System.[2]

- **Reporting and Summary of Work Completed**
  - **Environmental Indicators Report: Current Human Exposures under Control –** TRC submitted the Current Human Exposures Under Control Environmental Indicators 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 (610 Mohawk, 704 Mohawk, 502 Mohawk, 505 South Maumee Street and 507 South Maumee Street) could be evaluated by USEPA. This work was completed as intended during the fourth quarter 2012. However during an October 29-30, 2012 project meeting, USEPA requested additional work, which TPC set forth in a Technical Memorandum dated December 5, 2012 and Revised December 19, 2012. Those action items included:
    - Table summaries related to the conceptual site model (included in the Fourth Quarter 2012 Quarterly Progress Report); and
    - Four consecutive soil gas sample events at soil gas monitoring locations north and west of the site after SVE system installation (through second quarter 2013), in order to further document the effectiveness of the SVE system.

    On March 6, 2013, USEPA extended the date for the Current Human Exposures Demonstration to September 30, 2013 to allow TPC to complete the above described work. Consistent with this extension, the Supplement to the Current Human Exposures EI Report was submitted to USEPA on September 30, 2013 (2013 HE EI). USEPA provided comments on the 2013 HE EI on January 31, 2014. During the May 2014 project meeting with USEPA, TPC agreed to attempt (contingent on owner agreement) to further verify this assessment at nine residential properties north of the site and at one non-residential property east of the site.

[2] Operation of the perimeter SVE system began on March 7, 2014, using a rental SVE blower unit. The permanent blower enclosure was installed on July 10, 2014. A construction documentation report for the perimeter SVE system will be completed following completion of the initial system performance evaluation.

- **Environmental Indicators Report: Groundwater Stabilized –** TRC submitted the 2012 RI/EI Report to USEPA on September 28, 2012. During the October 29-30, 2012 project meeting, USEPA requested the following:
  - Additional sample events at monitoring wells where VOC concentration data exhibit relatively high standard deviation.
  - Preparation of a workplan to address USEPA comments regarding groundwater stability and remedial investigation activities. The Supplemental Groundwater Investigation Workplan for the Former Tecumseh Products Company Site in Tecumseh, Michigan was submitted and implemented during the first quarter 2013.
  - Installation of additional monitoring wells and subsequent monitoring at those locations in accordance with the Supplemental Groundwater Investigation Workplan.

  On March 6, 2013, USEPA extended the date for the Remedial Investigation and Groundwater Environmental Indicator Determination to July 31, 2015. This extension will allow TPC to complete eight quarterly sample events at new monitoring locations prior to the submittal of a Supplement to the 2012 RI/EI Report.
- **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. TPC will provide USEPA with a Supplement to the 2012 RI/EI Report following completion of the additional investigation and monitoring activities described in the Supplemental Groundwater Investigation Workplan.

2. A Summary of Activities during the Reporting Period

- April 2014 – A technical memorandum documenting the finding the 2013 passive soil gas investigation activities was prepared and submitted.
- April 2014 – A technical memorandum documenting the performance of the P-Building SVE system during 2013 was prepared and submitted.
- April 2014 – A supplemental soil gas sample event was conducted at locations that could not be sampled during the first quarter 2014 due to snow cover, and locations with leaks during the regular first quarter sample event.
- April 2014 – Regular operation and maintenance of the P-Building SVE system was completed including field measurement of TCE concentrations to determine the appropriate timeline for

carbon change out, minor maintenance of the carbon treatment system, and carbon change out.

- April 2014 – Regular operation and maintenance of the Perimeter SVE system was completed including field measurement of TCE concentrations to determine carbon loading and blower maintenance.
- April 2014 – Completion of the PSG survey as described in the March 2013 Scope of Work (SOW).
- April 2014 – Repair of the sample port at PRB vent location V-02.
- April 2014 – Completion of site restoration in the vicinity of the Perimeter SVE system.
- May 2014 – Draft data tables with data from the first quarter soil gas and groundwater monitoring activities were submitted to USEPA.
- May 2014 – Regular operation and maintenance of the P-Building SVE system was completed including flow and pressure measurements at each extraction well, field measurement of TCE concentrations to determine the appropriate timeline for carbon change out, and collection of exhaust samples for VOCs analysis.
- May 2014 – Regular operation, maintenance, and monitoring of the Perimeter SVE system was completed including: field measurement of TCE concentrations to determine carbon loading, collection of an exhaust sample prior to carbon treatment, blower maintenance, system balance, and stepped-rate tests at individual wells.
- May 2014 – Vacuum pressure and methane concentrations were measured at all PRB vent locations. The two downgradient soil gas sample points (SG-02 and SG-03R) could not be monitored due to water in the sample ports.
- May 2014 – The regular SSDV system inspection was completed at 704 Mohawk. At the request of the homeowner, the inspection did not include access to the interior of the house.
- May 2014 – The regular SSDV system inspection was completed for S-Building located at 100 East Patterson Street. The building is unoccupied and the site owner has discontinued electrical service. The system was not operational.
- May 2014 – A project meeting was conducted at USEPA Region V Headquarters to discuss upcoming field activities outlined in the SOW.
- May 2014 – The second quarter groundwater sample event was completed, including collection of groundwater elevation data, and 58 samples for volatile organic compound (VOC) analysis. A summary and evaluation of field activities, groundwater data, and surface water data are provided in Appendix A.

- May 2014 – The second quarter 2014 off-site soil gas sample event was completed. A technical memorandum summarizing soil gas sampling activities and analytical data collected from the third quarter 2013 through the second quarter 2014 is provided in Appendix B.
- May-June 2014 – The second quarter 2014 PRB monitoring event was conducted.
- June 2014 – A technical memorandum documenting the finding the 2014 supplemental PSG investigation activities was prepared and submitted.
- June 2014 – Regular operation and maintenance of the P-Building SVE system was completed including field measurement of TCE concentrations to determine the appropriate timeline for carbon change out.
- June 2014 – Regular operation and maintenance of the Perimeter SVE system was completed including field measurement of TCE concentrations to determine carbon loading and blower maintenance.
- June 2014 – The MIP investigation as outlined in the March 2014 Scope of Work and discussed during the May 2014 project meeting was initiated. The MIP investigation is ongoing.
- June 2014 – TPC began the process of contacting property owners of the nine residential parcels located north of the site and the one industrial property east of the site in order to obtain access for further vapor intrusion evaluation, as discussed during the May 2014 project meeting.

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

- At the request of one property owner, TRC provided that owner with a copy of the First Quarter 2014 Progress Report.
- TRC communicated with the Tecumseh District Library personnel in order to update the public repository at the Tecumseh District Library in April 2014.
- TRC communicated with the owner of a residential property east of the site regarding the operation and maintenance of the SSDV system.
- In June 2014, TRC communicated with the City of Tecumseh regarding continued safe access to the site building for the MIP investigation and to renew the existing ROW permit.
- Throughout the second quarter 2014, TRC communicated with the City of Tecumseh Fire Department regarding the fire watch activities to help ensure safe access to the building, as required by the City of Tecumseh.

- USEPA and TPC communicated with representatives from the Michigan Department of Environmental Quality and the Michigan Department of Community Health regarding proposed SSDV system installations at certain properties north of the site.

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

- No new problems were noted during the second quarter 2014.

5. Action Taken to Rectify Problems Identified Above

- No new problems were noted during the second quarter 2014.

6. Changes in Personnel during Reporting Period

- No TPC/TRC project personnel have changed.

7. Projected Work for the Next Reporting Period

- Complete installation of the perimeter SVE blower enclosure, including initial system performance evaluation activities;
- Continue implementation of the March 2014 Scope of Work, including completion of the MIP investigation;
- Continue the process of contacting property owners of the nine residential parcels located north of the site and the one industrial property east of the site in order to obtain access for further vapor intrusion evaluation, as discussed during the May 2014 project meeting;
- Prepare and submit a technical memorandum document PRB monitoring completed in the past year;
- Continue routine P-Building SVE system operation and maintenance, including completion of carbon change out as needed;
- Continue to evaluate southern source area soil and groundwater treatment options;
- Conduct a quarterly SSDV system performance evaluation at the residential property located at 704 Mohawk;
- Conduct and evaluate the third quarter 2014 groundwater sampling event;
- Complete and evaluate the third quarter 2014 off-site soil gas sample event; and
- Collect gas composition readings at vents installed along the length of the PRB.

VI. Work to be Performed – Final Corrective Measures Proposal

Preparation of the Final Corrective Measures Proposal will be initiated following completion of the Supplement to the RI and Groundwater EI Report.

VI. Work to be Performed – Final Corrective Measures Implementation

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

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

TPC 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 2014. The process of initiating contact with the owners of 10 additional parcels, in order to obtain access agreements, begin in June 2014.

VIII. Cost Estimates and Assurances of Financial Responsibility

In accordance with the Consent Order, TPC submitted an annually updated cost estimate on January 30, 2014. Based on comments from USEPA, and additional work as outlined in the SOW, a revised cost estimate was submitted on April 8, 2014. This April 2014 Revised Cost Estimate includes the anticipated costs of additional work to be completed in response to USEPA's January 31, 2014 comment letter. TPC submitted draft forms of financial assurance instruments, including a Letter of Credit and Standby Trust Agreement, to USEPA on May 6, 2014, and a revised draft Standby Trust Agreement on May 9, 2014. USEPA provided comments to the Letter of Credit on May 22, 2014, and to the Standby Trust Agreement on May 29, 2014. USEPA further provided those comments to TPC via a letter from Susan Perdomo dated June 6, 2014, which also requested changes to the Annually Adjusted Cost Estimate for 2014, a point also raised in Susan Perdomo's email of May 22, 2014. TPC's attorney responded to the cost estimate comments on June 13, 2014, to which USEPA's Susan Perdomo responded on June 30, 2014. TPC's attorney replied via email to Susan Perdomo on July 3, with further detail on the basis for the annually adjusted cost estimates, and Susan Perdomo responded on July 7, 2014 stating USEPA would review and respond to the reasonableness of the estimated costs. TPC is prepared to establish the financial assurance instruments in the amount set

forth in the April 8, 2014 revised cost estimate, pending receipt of USEPA's response per Susan Perdomo's July 7, 2014 email.

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 First and Second Quarter 2014 Groundwater Monitoring Events
Appendix B: Summary of Third Quarter 2013 through Second Quarter 2014 Soil Gas Sample Events

cc: Susan Perdomo, USEPA
Michael Beedle, USEPA
Colleen Olsberg, USEPA
Bhomma Sundar, USEPA
David Petrovski, USEPA
Mario Mangino, USEPA
Daniel Mazur, USEPA
Chris DeWetter, Tecumseh Products Company
Jason Smith, Tecumseh Products Company
Douglas McClure, Conlin, McKenney & Philbrick, PC
Stacy Metz, TRC Environmental Corporation
Dave Roberts, Tecumseh Food, Machinery & Engineering, LLC
Tecumseh District Library – Public Repository
Mary Speer, Resident

Appendix A
Summary of First and Second Quarter 2014 Groundwater Monitoring Events

Technical Memorandum

To:	Jason Smith, Tecumseh Products Company
From:	Stacy Metz and Graham Crockford, TRC
Subject:	First and Second Quarter 2014 Groundwater Monitoring Events: Former Tecumseh Products Company Site in Tecumseh, Michigan (RCRA-05-2010-0012)
Date:	July 10, 2014
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 57 groundwater monitoring wells, and 13 temporary monitoring points. This Technical Memorandum documents groundwater sampling activities conducted during the first quarter and second quarter of 2014, and summarizes the findings of those field activities.

Summary of the Groundwater and Surface Water Monitoring Program

Sampling activities are conducted in accordance with the Quality Assurance Project Plan (QAPP) which was submitted to the USEPA for review in August 2010. 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, turbidity and temperature. Groundwater and surface water samples are analyzed by TriMatrix Laboratories, Inc. (TriMatrix) using Level 4 data quality objectives.

- Quarterly Monitoring (1st and 3rd Quarter)
  - Collect groundwater samples at new groundwater monitoring well locations (those installed in 2012 or 2013 which have had less than eight previous sample events) for VOC analysis.
  - Collect groundwater samples at monitoring well locations with relatively high standard deviation (MW-14d, MW-20s, MW-20d, MW-21, MW-22, MW-23, MW-25s, and MW-31).[1]
  - On an interim basis, pending results of 2014 investigation activities, collect groundwater samples at temporary monitoring points NS-18s, NS-18i, NS-18d, NS-19s, NS-19i, NS-19d, NS-20s, NS-20i, SS-09s, SS-09i, SS-10s, SS-10i, and SS-10d.[2]
- Semi-Annual Monitoring (2nd Quarter)
  - Collect static groundwater measurements at each of the existing compliance monitoring wells[3] and monitoring wells PRB-01s and PRB-02s. Note PRB-01s and PRB-02s, which are part of the PRB monitoring network, are included to help define groundwater elevations and flow direction along the eastern perimeter of the site.
  - Collect static water levels at each of the two gauge point locations on the River Raisin.
  - Collect groundwater samples at all groundwater monitoring well locations, except at the following wells:
    - Up gradient monitoring wells which are either non-detect or stable including MW-05s, MW-06s, MW-07s, MW-11s, MW-15s, MW-18s, MW-19s, MW-19d, MW-26s, MW-28s, and MW-28d.
    - Monitoring wells MW-08s and MW-10d which are not sampled for VOCs due to their close proximity to other wells (MW-18s and MW-10s, respectively).
  - Collect two surface water samples (WL-01 and SEEP) for VOC analysis.
  - Collect groundwater samples at temporary monitoring points as described in the quarterly monitoring program.
- Annual Monitoring (4th Quarter)
  - Collect static groundwater measurements as described above.
  - Collect static water levels at each of the two gauge point locations on the River Raisin.

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[1] Monitoring wells MW-14d, MW-20s, MW-20d, MW-22, MW-23, and MW-25s were added to the quarterly monitoring program during the second quarter 2014, and therefore they were not included in the first quarter 2014 sample event.

[2] Monitoring point NS-18i was added to the quarterly monitoring program prior the first quarter 2014 sample event. The remaining monitoring points (NS-18s, NS-18d, NS-19s, NS-19i, NS-19d, NS-20s, NS-20i, SS-09s, SS-09i, SS-10s, SS-10i, and SS-10d) were added to the monitoring program prior to the second quarter 2014 sample event.

[3] Monitoring well MW-16s has been consistently dry since installation, and has been eliminated from the sample program. As such, MW-16s is not considered a compliance monitoring well.

- Collect groundwater samples at all groundwater monitoring well locations, except at monitoring wells MW-08s and MW-10d.
- Collect two surface water samples (WL-01 and SEEP) for VOC analysis.
- Collect groundwater samples at temporary monitoring points as described in the quarterly monitoring program.

This sampling plan was developed to monitor the nature and extent of groundwater contamination and also to monitor the stability of VOC concentrations in groundwater. An assessment of the stability of chlorinated VOCs in groundwater was included in the September 2012 Remedial Investigation and Groundwater Environmental Indicator Report (RI Report). TRC will continue to monitor groundwater stability using appropriate statistical methods, and additional modifications to the sampling plan (*e.g.* sample locations, frequency, and data quality objectives) may be proposed and implemented, as appropriate.

Summary of Field Activities

First Quarter 2014 Sample Event

Between March 26 and March 28, 2014, the first quarter sample event was conducted in general accordance with the groundwater monitoring program which is described above and summarized in Table 1. Monitoring activities conducted during the first quarter of 2014, including deviations from the monitoring program are described below:

- Collection of groundwater samples in accordance with the sampling plan (Table 1), with the following exceptions:
  - Monitoring wells MW-14d, MW-20s, MW-20d, MW-23, and MW-25s were added to the quarterly monitoring program during the second quarter 2014, and therefore were not included in the first quarter 2014 sample event.
  - Temporary monitoring points NS-18s, NS-18d, NS-19s, NS-19i, NS-19d, NS-20s, NS-20i, SS-09s, SS-09i, SS-10s, SS-10i, and SS-10d were added to the quarterly monitoring program during the second quarter 2014, and therefore were not included in the first quarter 2014 sample event.
  - Monitoring wells MW-17s and MW-22, which were not part of the regular quarterly sample program at that time, were sampled during the first quarter 2014 sample event because the property owner denied TPC and its representative, TRC, access to the property during the regular fourth quarter sample event.[4]

[4] During the fourth quarter 2013, the property owner restricted access to the property despite a valid access agreement. TPC took legal action to reclaim its right to access under the access agreement. The dispute regarding access was resolved on December 30, 2013.

- Monitoring well MW-38s was inadvertently not sampled during the first quarter sample event.

— Measurement of field parameters at groundwater sample locations.

— Collection of one surface water sample (WL-01). Sample location WL-01 is not part of the regular quarterly sample program. A sample was collected during the first quarter 2014 sample event because the property owner denied TPC and its representative, TRC, access to the property during the regular fourth quarter sample event[4]; and

— Analysis of all groundwater and surface water samples for VOCs.

Second Quarter 2014 Sample Event

Between May 13 and May 22, 2014, the second quarter sample event was conducted in general accordance with the groundwater monitoring program which is described above and summarized in Table 1. Monitoring activities conducted during the second quarter of 2014, including deviations, if any, from the Monitoring Program are described below:

— Collection of static groundwater measurements in accordance with the sampling plan (Table 1).[5]

— Collection of groundwater samples in accordance with the sampling plan (Table 1).

— Measurement of field parameters at groundwater sample locations.

— Collection of surface water samples in accordance with the sample plan (Table 1); and

— Analysis of all groundwater and surface water samples for VOCs.

Groundwater Flow and Direction

The groundwater elevation data collected in May 2014 were used to construct a groundwater contour map and to verify the direction of groundwater flow and hydraulic gradient within the unconsolidated sand underlying the site (Figure 2). Over five years of water level data (March 2009 through May 2014) have been collected (Table 2). Groundwater flow patterns are consistent with those observed in the past. Groundwater flow at the former TPC site and surrounding study area is generally east toward the River Raisin, the nearest body of water, located 1,500 to 2,500 feet east of the site. The River Raisin is the regional discharge feature for groundwater beneath the former TPC site. A mean horizontal hydraulic gradient of 0.001 was measured across the former TPC property. Data from *in situ* hydraulic conductivity tests performed on monitoring wells screened in the unconfined sand and gravel aquifer were used to calculate a geometric mean hydraulic conductivity. The geometric mean hydraulic conductivity is 9.5×10^{-3} cm/s with an upper 95-percent confidence limit of 2.2×10^{-1} cm/s and a lower 95-percent confidence limit of 4.2×10^{-4} cm/s feet per day. Assuming an effective porosity of 0.3, the resultant estimated groundwater flow velocity is 3.2×10^{-5} (33 feet per

[5] Static water levels at each of the two gauge point locations on the River Raisin were inadvertently not collected during the second quarter 2014 sample event.

year). The surface topography drops steeply downgradient of the site from an approximate elevation of 780 ft MSL to an approximate elevation of 750 ft MSL in the wetland area adjacent to the River Raisin. East of the site, in proximity to the change in surface elevation, the horizontal hydraulic gradient increases (Figure 2).

The vertical hydraulic gradient in the upper sand/gravel aquifer was evaluated at fifteen of the eighteen nested well pairs (MW-04s/i, MW-08s/d, MW-10s/d, MW-12s/d, MW-19s/d, MW-20s/d, MW-24s/d, MW-27s/d, MW-28s/d, MW-29s/d, MW-30s/d, MW-35i/d, MW-36s/d, MW-39s/d, and MW-40s/d). The vertical gradient at nested well pair MW-38s/d was not evaluated because water at MW-38s is perched with an unsaturated zone between MW-38s and MW-38d. The vertical gradients were not calculated at well nests MW32s/d and MW-34s/d because, due to limited building access and demolition activities, monitoring wells MW-32d and MW-34d have not yet been surveyed.

Table 3 summarizes the calculated vertical gradients. Consistent with previous observations, at MW-08s/d, MW-19s/d, MW-24s/d, and MW-28s/d along the western (up gradient) portion of the site, the measured vertical hydraulic gradient was essentially neutral (ranging from -0.007 to 0.003). Similarly on-site nested pairs (MW-04s/i, MW-35i/d, MW-36s/d, and MW-39s/d) also exhibit near neutral vertical gradients (ranging from -0.009 to 0.005). Northeast of the site the hydraulic gradient varied from downward at MW-29s/d (-0.046 to -0.084) and MW-12s/d (-0.013 to -0.029) to near neutral at MW-30s/d (-0.003 to 0.008). At MW-10s/d (-0.11 to -0.23), MW-20s/d (-0.23 to -0.33), and MW-27s/d (-0.63 to -0.68) near the downgradient (east/southeast) perimeter of the site, a downward hydraulic gradient was measured, with the downward hydraulic gradient increasing to the south. This significant vertical downward gradient in the upper sand/gravel aquifer east/southeast of the site, is the result of the presence of a higher hydraulic conductivity sand and gravel deposit that underlies the sand deposit, and a significant change in surface topography. At MW-40s/d, near the river, the vertical gradient returns to near neutral (-0.003 to 0.001). Vertical gradients observed during the second quarter 2014 are consistent with previous site observations.

As noted above, the groundwater flow direction, the horizontal gradient and the vertical gradients observed during the second quarter 2014 sample event are consistent with those observed in the past. Despite this consistency, as documented in the January 10, 2014 Technical Memorandum which summarized the Fourth Quarter 2013 Groundwater Monitoring Event, TRC staff noted a downward trend in groundwater elevation data from the fourth quarter 2012 through the fourth quarter 2013. In order to evaluate this phenomenon further the average groundwater elevation and the standard deviation of the groundwater elevation data for each of the wells installed before 2012 (41 total) were calculated for the period from fourth quarter 2009 through third quarter 2012 (12 events). Observations made in January 2014 are summarized below:

- At 34 of the wells the groundwater elevations were more than one standard deviation below average for all observed groundwater monitoring elevation events from the fourth quarter of 2012 through the fourth quarter 2013;
- At 30 of those wells the groundwater elevations were more than two standard deviations below average for all observations made during 2013;

- One additional well (MW-29s) was below average during the fourth quarter 2012 sample event and more than a standard deviation below average in 2013; and
- Five of the remaining six wells (MW-14d, MW-17s, MW-21, MW-22 and MW-31) are located in the area where surface topography results in an increase in horizontal hydraulic gradient and a decrease in saturated thickness. In this area this trend in decreasing groundwater elevations likely manifests as a lower horizontal gradient rather than a smaller saturated thickness.

Although groundwater elevations during the second quarter 2014 remained below average at most locations, overall groundwater elevations are closer to average. In summary:

- 33 of the 34 locations consistently more than one standard deviation below average between the fourth quarter of 2012 through the fourth quarter 2013 remained below average;
- Of those locations, 20 were more than one standard deviation below average;
- No locations were more than two standard deviations below average;
- Groundwater elevations at monitoring wells MW-13s and MW-29s are no longer below average; and
- Wells located where surface topography results in a high horizontal gradient (MW-14d, MW-17s, MW-21, MW-22 and MW-31) were all above average.

Summary of Groundwater Chemical Data

Field-collected data (pH, specific conductivity, redox potential, dissolved oxygen, turbidity and temperature) are provided in Table 4. Laboratory analytical data are provided in Attachment 1. Table 5 provides a summary of detected VOCs in groundwater. The constituents of concern at the site are chlorinated VOCs (CVOCs), specifically trichloroethene (TCE), 1,1,1-trichloroethane (TCA) and their breakdown products (cis-1,2-dichloroethene [cis-DCE] and vinyl chloride). 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.[6]

As documented in the January 10, 2014 Technical Memorandum which summarized the Fourth Quarter 2013 Groundwater Monitoring Event, TRC staff noted a potential correlation between groundwater elevations and groundwater concentrations. In 2013 groundwater elevations were lower than those previously observed. Generally speaking, at monitoring locations near source areas, TCA and TCE concentration are lower than previously observed, and at several downgradient locations concentrations are higher than previously observed. These apparent changes in VOC concentrations in groundwater may be related to the unusually low groundwater elevations observed over the past year and a half. Groundwater elevation and VOC concentration data will continue to be collected so that this potential correlation may be evaluated further.

[6] See Data Quality Assurance Section below for notable exceptions.

VOCs in Surface Water

Table 6 provides a summary of site-specific constituents of concern in surface water. Water chemistry data for the Blood Road bridge seep sample (SEEP) and wetland sample (WL-01) collected in March 2014 can be found in Attachment 1. No VOCs were detected at these surface water sample locations.

Data Quality Assurance

First Quarter 2014 Sample Event

Field Data

Field data were reviewed in accordance with the QAPP. TRC field personnel collected water quality data (pH, specific conductivity, redox potential, dissolved oxygen, turbidity and temperature) consistent with the sampling plan described above. No problems were noted. The data quality objectives for the field data were met, and the data are usable.

Laboratory Data

Twenty-one water samples, including one field duplicate, were collected by TRC between March 26, 2014 and March 28, 2014. Samples were analyzed by TriMatrix, located in Grand Rapids, Michigan for VOCs by USEPA Method 8260B following protocols specified in the QAPP. TRC performed data validation on the VOC laboratory data. Overall, the data quality objectives and laboratory completeness goals for the project were met, and the data are usable. The procedures specified in the methods were implemented, and the data package contained all of the deliverables necessary for validation of the analytical data. The complete laboratory data validation report is included in Attachment 2.

Second Quarter 2014 Sample Event

Field Data

Field data were reviewed in accordance with the QAPP. TRC field personnel collected water quality data (pH, specific conductivity, redox potential, dissolved oxygen, turbidity and temperature) consistent with the sampling plan described above. No problems were noted. The data quality objectives for the field data were met, and the data are usable.

Laboratory Data

Sixty-two water samples, including four field duplicates, were collected by TRC between May 14, 2014 and May 22, 2014. Samples were analyzed by TriMatrix, located in Grand Rapids, Michigan for VOCs by USEPA Method 8260B following

protocols specified in the QAPP. TRC performed data validation on the VOC laboratory data. Overall, the data quality objectives and laboratory completeness goals for the project were met, and the data are usable. The procedures specified in the methods were implemented, and the data package contained all of the deliverables necessary for validation of the analytical data. The complete laboratory data validation report is included in Attachment 2.

Although data validation indicates that all data are usable, TRC staff noted that the concentrations at monitoring well MW-32s were reported at an order of magnitude less than previous data, and less significantly the concentrations at monitoring well MW-38s were approximately half of those reported during previous sample events. Although the source of this apparently anomalous data was investigated and discussed with the laboratory, no discrepancies were identified. It is possible that the sample was diluted at the laboratory as part of the analysis process, and the dilution was inadvertently not recorded. These samples will both be re-sampled during the regular third quarter 2014 sample event completed in July 2014. If the lower than previous concentrations reported for the second quarter 2014 sample event are not confirmed, these sample data will be considered invalid, and they will be eliminated from future data tables and trend evaluations.

Tables

Table 1
Groundwater and Surface Water Monitoring Program
Former Tecumseh Products Company Site
Tecumseh, Michigan

Groundwater Sample Location	Water Level				VOCs Analysis			
	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
Groundwater Sample Locations								
MW-01s		√		√		√		√
MW-02s		√		√		√		√
MW-03s		√		√		√		√
MW-04s		√		√		√		√
MW-04i	√	√	√	√	√	√	√	√
MW-05s		√		√				√
MW-06s		√		√				√
MW-07s		√		√				√
MW-08s		√		√				
MW-08d	√	√	√	√	√	√	√	√
MW-09s	**Well Decommissioned**							
MW-10s		√		√		√		√
MW-10d		√		√				
MW-11s		√		√				√
MW-12s		√		√		√		√
MW-12d		√		√		√		√
MW-13s		√		√		√		√
MW-14s	**Well Decommissioned**							
MW-14d	√	√	√	√	√	√	√	√
MW-15s		√		√				√
MW-16s								
MW-17s		√		√		√		√
MW-18s		√		√				√
MW-19s		√		√				√
MW-19d		√		√				√
MW-20s	√	√	√	√	√	√	√	√
MW-20d	√	√	√	√	√	√	√	√
MW-21	√	√	√	√	√	√	√	√
MW-22	√	√	√	√	√	√	√	√
MW-23	√	√	√	√	√	√	√	√
MW-24s		√		√		√		√
MW-24d		√		√		√		√
MW-25s	√	√	√	√	√	√	√	√
MW-26s		√		√				√
MW-27s		√		√		√		√
MW-27d		√		√		√		√
MW-28s		√		√				√
MW-28d		√		√				√
MW-29s		√		√		√		√
MW-29d		√		√		√		√

Notes:

1. Water levels are monitored at PRB-01s and PRB-02s to facilitate preparation of a site-wide groundwater contour map. This table does not reflect sample requirements associated with routine PRB performance monitoring.

Table 1
Groundwater and Surface Water Monitoring Program
Former Tecumseh Products Company Site
Tecumseh, Michigan

Groundwater Sample Location	Water Level				VOCs Analysis			
	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
Groundwater Sample Locations								
MW-30s		√		√		√		√
MW-30d		√		√		√		√
MW-31	√	√	√	√	√	√	√	√
MW-32s		√		√		√		√
MW-32d	√	√	√	√	√	√	√	√
MW-33s		√		√		√		√
MW-34s		√		√		√		√
MW-34d	√	√	√	√	√	√	√	√
MW-35i	√	√	√	√	√	√	√	√
MW-35d	√	√	√	√	√	√	√	√
MW-36s	√	√	√	√	√	√	√	√
MW-36d	√	√	√	√	√	√	√	√
MW-37s	√	√	√	√	√	√	√	√
MW-38s	√	√	√	√	√	√	√	√
MW-38d	√	√	√	√	√	√	√	√
MW-39s	√	√	√	√	√	√	√	√
MW-39d	√	√	√	√	√	√	√	√
MW-40s	√	√	√	√	√	√	√	√
MW-40d	√	√	√	√	√	√	√	√
NS-18s					√	√	√	√
NS-18i					√	√	√	√
NS-18d					√	√	√	√
NS-19s					√	√	√	√
NS-19i					√	√	√	√
NS-19d					√	√	√	√
NS-20s					√	√	√	√
NS-20i					√	√	√	√
SS-09s					√	√	√	√
SS-09i					√	√	√	√
SS-10s					√	√	√	√
SS-10i					√	√	√	√
SS-10d					√	√	√	√
PRB-01s[(1)]		√		√				
PRB-02s[(1)]		√		√				
Surface Water Sample Locations								
E. Chicago Blvd		√		√				
Russell Road		√		√				
WL-01						√		√
Seep						√		√

Notes:

1. Water levels are monitored at PRB-01s and PRB-02s to facilitate preparation of a site-wide groundwater contour map. This table does not reflect sample requirements associated with routine PRB performance monitoring.

Table 2
Groundwater and Surface Water Elevations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Well Location	Top of Well Casing (ft MSL)	Measurement Date	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	4/25/2011	2/14/2011	12/10/2010	9/2/2010	5/10/2010	3/23/2010	12/7/2009	6/4/2009	04/20/09	03/16/09
Groundwater Monitoring Wells																							
MW-01s	796.53	Depth (ft BTOC)	18.09	--	18.89	--	18.90	18.27	17.08	16.46	16.70	17.30	16.89	17.53	18.45	18.13	17.55	17.40	17.58	17.34	16.14	15.95	16.13
		Elevation (ft MSL)	778.44	--	777.64	--	777.63	778.26	779.45	780.07	779.83	779.23	779.64	779.00	778.08	778.40	778.98	779.13	778.95	779.19	780.39	780.58	780.40
MW-02s	802.14	Depth (ft BTOC)	23.54	--	24.34	--	24.43	23.81	22.60	21.96	22.30	22.78	22.48	23.23	24.04	23.64	23.00	23.10	23.27	22.87	21.53	21.60	21.94
		Elevation (ft MSL)	778.60	--	777.80	--	777.71	778.33	779.54	780.18	779.84	779.36	779.66	778.91	778.10	778.50	779.14	779.04	778.87	779.27	780.61	780.54	780.20
MW-03s	787.00	Depth (ft BTOC)	9.14	--	9.89	--	9.87	9.43	8.38	7.85	8.09	8.51	8.26	8.71	9.58	9.20	8.70	8.60	8.79	8.57	7.63	7.45	7.63
		Elevation (ft MSL)	777.86	--	777.11	--	777.13	777.57	778.62	779.15	778.91	778.49	778.74	778.29	777.42	777.80	778.30	778.40	778.21	778.43	779.37	779.55	779.37
MW-04s	794.42	Depth (ft BTOC)	16.34	--	17.01	--	17.11	16.50	15.38	14.80	15.09	15.54	15.26	15.90	16.75	16.40	15.80	15.80	12.91*	15.65	14.48	14.40	14.64
		Elevation (ft MSL)	778.08	--	777.41	--	777.31	777.92	779.04	779.62	779.33	778.88	779.16	778.52	777.67	778.02	778.62	778.62	781.51*	778.77	779.94	780.02	779.78
MW-04i	794.29	Depth (ft BTOC)	16.20	16.51	16.94	16.55	16.96	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	778.09	777.78	777.35	777.74	777.33	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-05s	805.59	Depth (ft BTOC)	26.60	--	27.41	--	27.39	26.73	25.43	24.86	25.19	25.74	25.29	26.20	26.95	26.62	26.00	26.00	26.16	25.77	24.41	24.40	24.73
		Elevation (ft MSL)	778.99	--	778.18	--	778.20	778.86	780.16	780.73	780.40	779.85	780.30	779.39	778.64	778.97	779.59	779.59	779.43	779.82	781.18	781.19	780.86
MW-06s	803.73	Depth (ft BTOC)	24.91	--	25.69	--	25.83	25.18	23.95	23.23	23.61	24.05	23.80	24.64	25.40	24.99	24.35	24.58	24.65	24.18	22.72	22.85	23.26
		Elevation (ft MSL)	778.82	--	778.04	--	777.90	778.55	779.78	780.50	780.12	779.68	779.93	779.09	778.33	778.74	779.38	779.15	779.08	779.55	781.01	780.88	780.47
MW-07s	804.40	Depth (ft BTOC)	25.50	--	26.28	--	26.40	25.75	24.50	23.82	24.20	24.64	24.32	25.18	25.53	25.59	25.00	25.08	25.19	24.75	23.24	23.40	23.85
		Elevation (ft MSL)	778.90	--	778.12	--	778.00	778.65	779.90	780.58	780.20	779.76	780.08	779.22	778.87	778.81	779.40	779.32	779.21	779.65	781.16	781.00	780.55
MW-08s	804.39	Depth (ft BTOC)	25.40	--	26.23	--	26.25	25.59	24.31	23.73	24.06	24.59	24.18	25.00	25.79	25.47	24.80	25.06	25.00	24.61	23.24	23.30	23.61
		Elevation (ft MSL)	778.99	--	778.16	--	778.14	778.80	780.08	780.66	780.33	779.80	780.21	779.39	778.60	778.92	779.59	779.33	779.39	779.78	781.15	781.09	780.78
MW-08d	804.19	Depth (ft BTOC)	25.31	25.88	26.10	25.73	26.15	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	778.88	778.31	778.09	778.46	778.04	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
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	5.48	6.04	6.98	5.85	5.60	5.78	5.65	4.63	4.30	4.46
		Elevation (ft MSL)												778.49	777.93	776.99	778.12	778.37	778.19	778.32	779.34	779.67	779.51
MW-10s	788.65	Depth (ft BTOC)	11.58	--	12.61	--	12.57	12.18	11.40	10.60	10.76	11.54	11.34	11.09	12.46	12.15	11.85	11.20	11.55	11.57	10.46	NI	NI
		Elevation (ft MSL)	777.07	--	776.04	--	776.08	776.47	777.25	778.05	777.89	777.11	777.31	777.56	776.19	776.50	776.80	777.45	777.10	777.08	778.19	NI	NI
MW-10d	788.40	Depth (ft BTOC)	12.33	--	13.27	--	13.11	14.25*	12.56	11.57	11.50	12.30	12.05	11.48	12.99	12.68	12.41	11.60	11.98	12.10	NI	NI	NI
		Elevation (ft MSL)	776.07	--	775.13	--	775.29	774.15*	775.84	776.83	776.90	776.10	776.35	776.92	775.41	775.72	775.99	776.80	776.42	776.30	NI	NI	NI
MW-11s	809.64	Depth (ft BTOC)	30.49	--	31.26	--	31.41	30.74	29.50	28.75	29.15	29.50	29.43	30.21	30.95	30.49	29.90	30.20	30.29	29.69	28.09	NI	NI
		Elevation (ft MSL)	779.15	--	778.38	--	778.23	778.90	780.14	780.89	780.49	780.14	780.21	779.43	778.69	779.15	779.74	779.44	779.35	779.95	781.55	NI	NI
MW-12s	790.90	Depth (ft BTOC)	13.85	--	14.59	--	14.96	14.49	13.45	12.75	13.06	13.61	13.34	13.95	14.70	14.34	13.85	13.90	14.06	13.67	12.40	NI	NI
		Elevation (ft MSL)	777.05	--	776.31	--	775.94	776.41	777.45	778.15	777.84	777.29	777.56	776.95	776.20	776.56	777.05	777.00	776.84	777.23	778.50	NI	NI
MW-12d	790.48	Depth (ft BTOC)	14.03	--	14.72	--	14.84	14.34	13.35	12.66	13.01	13.49	13.24	13.90	14.61	14.23	12.70*	13.81	13.93	NI	NI	NI	NI
		Elevation (ft MSL)	776.45	--	775.76	--	775.64	776.14	777.13	777.82	777.47	776.99	777.24	776.58	775.87	776.25	777.78*	776.67	776.55	NI	NI	NI	NI
MW-13s	787.35	Depth (ft BTOC)	15.35	--	16.30	--	16.43	14.16*	15.58	14.94	15.20	15.69	15.21	15.50	16.89	16.15	15.70	15.50	15.82	15.81	14.88	NI	NI
		Elevation (ft MSL)	772.00	--	771.05	--	770.92	773.19*	771.77	772.41	772.15	771.66	772.14	771.85	770.46	771.20	771.65	771.85	771.53	771.54	772.47	NI	NI
MW-14s	780.67	Depth (ft BTOC)	Well Removed	Well Removed	Well Removed	--	4.22	8.10	6.85	4.11	2.90	6.29	5.88	2.43	6.36	6.80	7.05	3.60	3.62	6.20	5.12	NI	NI
		Elevation (ft MSL)				--	776.45	772.57	773.82	776.56	777.77	774.38	774.79	778.24	774.31	773.87	773.62	777.07	777.05	774.47	775.55	NI	NI
MW-14d	780.51	Depth (ft BTOC)	29.61	--	29.93	--	29.77	30.29	30.08	29.56	29.51	30.06	29.78	29.73	30.28	30.19	30.10	29.85	29.97	NI	NI	NI	NI
		Elevation (ft MSL)	750.90	--	750.58	--	750.74	750.22	750.43	750.95	751.00	750.45	750.73	750.78	750.23	750.32	750.41	750.66	750.54	NI	NI	NI	NI
MW-15s	811.72	Depth (ft BTOC)	31.94	--	32.80	--	32.83	32.12	30.72	30.21	30.61	31.10	30.61	31.63	32.33	32.03	31.25	31.50	31.48	31.09	29.59	NI	NI
		Elevation (ft MSL)	779.78	--	778.92	--	778.89	779.60	781.51	781.51	781.11	780.62	781.11	780.09	779.39	779.69	780.47	780.22	780.24	780.63	782.13	NI	NI

Notes:

Survey conducted by Midwestern Consultants, Inc. (2009 - 2013)
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.

Table 2
Groundwater and Surface Water Elevations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Well Location	Top of Well Casing (ft MSL)	Measurement Date	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	4/25/2011	2/14/2011	12/10/2010	9/2/2010	5/10/2010	3/23/2010	12/7/2009	6/4/2009	04/20/09	03/16/09
Groundwater Monitoring Wells																							
MW-16s	782.90	Depth (ft BTOC)	--	--	--	--	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	NI	NI
		Elevation (ft MSL)	--	--	--	--																NI	NI
MW-17s	754.49	Depth (ft BTOC)	4.91	4.96	--	--	5.20	5.54	5.56	5.02	5.02	5.40	5.31	5.05	5.41	5.44	5.50	5.18	5.25	5.40	5.33	NI	NI
		Elevation (ft MSL)	749.58	749.53	--	--	749.29	748.95	748.93	749.47	749.47	749.09	749.18	749.44	749.08	749.05	748.99	749.31	749.24	749.09	749.16	NI	NI
MW-18s	805.49	Depth (ft BTOC)	26.44	--	27.25	--	27.28	26.78	25.35	24.77	25.07	25.61	25.31	26.10	26.82	26.50	25.80	25.95	26.02	25.66	NI	NI	NI
		Elevation (ft MSL)	779.05	--	778.24	--	778.21	778.71	780.14	780.72	780.42	779.88	780.18	779.39	778.67	778.99	779.69	779.54	779.47	779.83	NI	NI	NI
MW-19s	803.92	Depth (ft BTOC)	24.86	--	25.71	--	25.60	25.02	23.72	23.16	23.43	24.08	23.58	24.38	25.20	24.91	24.25	24.25	24.26	24.05	NI	NI	NI
		Elevation (ft MSL)	779.06	--	778.21	--	778.32	778.90	780.20	780.76	780.49	779.84	780.34	779.54	778.72	779.01	779.67	779.67	779.66	779.87	NI	NI	NI
MW-19d	804.04	Depth (ft BTOC)	25.01	--	25.82	--	25.73	25.12	23.89	23.23	23.54	24.18	23.70	24.50	25.34	25.03	24.40	24.35	24.41	24.17	NI	NI	NI
		Elevation (ft MSL)	779.03	--	778.22	--	778.31	778.92	780.15	780.81	780.50	779.86	780.34	779.54	778.70	779.01	779.64	779.69	779.63	779.87	NI	NI	NI
MW-20s	783.16	Depth (ft BTOC)	5.50	--	6.32	--	6.41	7.66*	4.60	3.96	4.11	4.73	4.38	4.86	5.81	5.53	5.00	4.80	4.97	4.85	NI	NI	NI
		Elevation (ft MSL)	777.66	--	776.84	--	776.75	775.50*	778.56	779.20	779.05	778.43	778.78	778.30	777.35	777.63	778.16	778.36	778.19	778.31	NI	NI	NI
MW-20d	783.29	Depth (ft BTOC)	15.27	--	15.50	--	15.13	14.95	14.20	13.68	13.71	11.28*	14.57	14.55	15.17	14.91	14.10	12.80	12.62	11.98	NI	NI	NI
		Elevation (ft MSL)	768.02	--	767.79	--	768.16	768.34	769.09	769.61	769.58	772.01*	768.72	768.74	768.12	768.38	769.19	770.49	770.67	771.31	NI	NI	NI
MW-21	780.85	Depth (ft BTOC)	29.00	29.08	29.43	29.18	29.24	29.88	29.56	29.00	28.91	29.54	29.19	29.34	29.87	29.75	29.60	29.35	29.51	29.69	NI	NI	NI
		Elevation (ft MSL)	751.85	751.77	751.42	751.67	751.61	750.97	751.29	751.85	751.94	751.31	751.66	751.51	750.98	751.10	751.25	751.50	751.34	751.16	NI	NI	NI
MW-22	782.62	Depth (ft BTOC)	24.79	24.61	--	--	24.63	25.01	24.07	24.85	24.86	24.96	24.98	24.76	24.91	25.03	25.15	24.88	24.88	24.62	NI	NI	NI
		Elevation (ft MSL)	757.83	758.01	--	--	757.99	757.61	758.55	757.77	757.76	757.66	757.64	757.86	757.71	757.59	757.47	757.74	757.74	758.00	NI	NI	NI
MW-23	787.10	Depth (ft BTOC)	9.80	--	10.44	--	10.54	10.05	9.09	8.41	8.68	9.20	9.00	9.47	10.32	9.97	9.45	9.45	9.50	9.27	NI	NI	NI
		Elevation (ft MSL)	777.30	--	776.66	--	776.56	777.05	778.01	778.69	778.42	777.90	778.10	777.63	776.78	777.13	777.65	777.65	777.60	777.83	NI	NI	NI
MW-24s	797.83	Depth (ft BTOC)	19.63	--	20.39	--	20.53	19.99	18.84	18.03	18.45	19.04	18.73	19.43	20.24	19.83	19.30	19.37	19.49	19.10	NI	NI	NI
		Elevation (ft MSL)	778.20	--	777.44	--	777.30	777.84	778.99	779.80	779.38	778.79	779.10	778.40	777.59	778.00	778.53	778.46	778.34	778.73	NI	NI	NI
MW-24d	797.93	Depth (ft BTOC)	19.72	--	20.51	--	20.64	19.77*	18.96	18.14	18.60	19.15	18.85	19.52	20.31	19.95	19.35	19.45	19.58	19.20	NI	NI	NI
		Elevation (ft MSL)	778.21	--	777.42	--	777.29	778.16*	778.97	779.79	779.33	778.78	779.08	778.41	777.62	777.98	778.58	778.48	778.35	778.73	NI	NI	NI
MW-25s	798.23	Depth (ft BTOC)	19.54	--	20.36	--	20.29	19.71	18.50	17.87	18.11	18.76	18.31	18.96	19.90	19.60	19.00	18.80	18.97	18.77	NI	NI	NI
		Elevation (ft MSL)	778.69	--	777.87	--	777.94	778.52	779.73	780.36	780.12	779.47	779.92	779.27	778.33	778.63	779.23	779.43	779.26	779.46	NI	NI	NI
MW-26s	805.73	Depth (ft BTOC)	26.64	--	27.41	--	27.31	26.75	25.47	24.92	25.15	25.80	25.31	26.11	26.95	26.68	26.00	26.00	26.10	NI	NI	NI	NI
		Elevation (ft MSL)	779.09	--	778.32	--	778.42	778.98	780.26	780.81	780.58	779.93	780.42	779.62	778.78	779.05	779.73	779.73	779.63	NI	NI	NI	NI
MW-27s	781.39	Depth (ft BTOC)	3.29	--	4.09	--	4.17	3.65	2.83	2.30	2.31	2.84	2.45	2.79	3.77	3.58	3.15	2.83	3.12	NI	NI	NI	NI
		Elevation (ft MSL)	778.10	--	777.30	--	777.22	777.74	778.56	779.09	779.08	778.55	778.94	778.60	777.62	777.81	778.24	778.56	778.27	NI	NI	NI	NI
MW-27d	781.40	Depth (ft BTOC)	23.18	--	23.60	--	23.41	23.85	23.50	23.13	23.11	23.55	23.22	23.40	24.08	23.94	23.65	23.50	23.63	NI	NI	NI	NI
		Elevation (ft MSL)	758.22	--	757.80	--	757.99	757.55	757.90	758.27	758.29	757.85	758.18	758.00	757.32	757.46	757.75	757.90	757.77	NI	NI	NI	NI
MW-28s	804.68	Depth (ft BTOC)	25.75	--	26.60	--	26.71	26.06	24.82	24.09	24.49	24.92	24.70	25.47	26.30	25.86	25.20	25.45	25.53	NI	NI	NI	NI
		Elevation (ft MSL)	778.93	--	778.08	--	777.97	778.62	779.86	780.59	780.19	779.76	779.98	779.21	778.38	778.82	779.48	779.23	779.15	NI	NI	NI	NI
MW-28d	804.92	Depth (ft BTOC)	26.03	--	26.81	--	26.97	26.30	25.08	24.33	24.71	25.16	24.95	25.75	26.54	26.10	25.50	25.70	25.81	NI	NI	NI	NI
		Elevation (ft MSL)	778.89	--	778.11	--	777.95	778.62	779.84	780.59	780.21	779.76	779.97	779.17	778.38	778.82	779.42	779.22	779.11	NI	NI	NI	NI
MW-29s	788.16	Depth (ft BTOC)	15.50	--	16.20	--	16.37	15.91	15.40	14.92	11.30*	15.48	15.50	15.40	16.22	16.18	15.55	15.50	15.80	NI	NI	NI	NI
		Elevation (ft MSL)	772.66	--	771.96	--	771.79	772.25	772.76	773.24	776.86*	772.68	772.66	772.76	771.94	771.98	772.61	772.66	772.36	NI	NI	NI	NI
MW-29d	788.16	Depth (ft BTOC)	18.90	--	20.02	--	19.29	19.14	18.43	17.75	18.16	18.23	18.28	18.90	18.95	18.28	18.55	18.60	18.74	NI	NI	NI	NI
		Elevation (ft MSL)	769.26	--	768.14	--	768.87	769.02	769.73	770.41	770.00	769.93	769.88	769.26	769.21	769.88	769.61	769.56	769.42	NI	NI	NI	NI
MW-30s	787.69	Depth (ft BTOC)	10.06	--	10.86	--	10.91	10.52	9.55	8.88	9.08	9.66	9.40	9.58	10.74	10.36	9.90	9.75	9.89	NI	NI	NI	NI
		Elevation (ft MSL)	777.63	--	776.83	--	776.78	777.17	778.14	778.81	778.61	778.03	778.29	778.11	776.95	777.33	777.79	777.94	777.80	NI	NI	NI	NI

Notes:

Survey conducted to feet mean sea level by Midwestern Consultants, Inc. (2009 - 2013)

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.

Table 2
Groundwater and Surface Water Elevations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Well Location	Top of Well Casing (ft MSL)	Measurement Date	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	4/25/2011	2/14/2011	12/10/2010	9/2/2010	5/10/2010	3/23/2010	12/7/2009	6/4/2009	04/20/09	03/16/09
Groundwater Monitoring Wells																							
MW-30d	787.66	Depth (ft BTOC)	10.00	--	10.80	--	10.93	10.43	9.41	8.75	9.02	9.54	9.29	9.25	10.63	10.27	9.80	9.68	9.85	NI	NI	NI	NI
		Elevation (ft MSL)	777.66	--	776.86	--	776.73	777.23	778.25	778.91	778.64	778.12	778.37	778.41	777.03	777.39	777.86	777.98	777.81	NI	NI	NI	NI
MW-31	782.36	Depth (ft BTOC)	32.46	32.50	--	32.63	32.68	33.13	32.97	32.57	32.51	32.91	32.76	31.62	33.03	33.03	33.00	32.60	NI	NI	NI	NI	NI
		Elevation (ft MSL)	749.90	749.86	--	749.73	749.68	749.23	749.39	749.79	749.85	749.45	749.60	750.74	749.33	749.33	749.36	749.76	NI	NI	NI	NI	NI
MW-32s	802.59	Depth (ft BTOC)	23.96	--	24.67	--	NM	24.14	22.89	22.33	21.59*	23.15	22.81	23.54	24.35	23.96	23.45	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	778.63	--	777.92	--	NM	778.45	779.70	780.26	781.00*	779.44	779.78	779.05	778.24	778.63	779.14	NI	NI	NI	NI	NI	NI
MW-33s	799.49	Depth (ft BTOC)	21.09	--	21.83	--	NM	21.28	20.08	19.50	19.77	19.30*	19.95	20.68	21.36	21.11	20.62	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	778.40	--	777.66	--	NM	778.21	779.41	779.99	779.72	780.19*	779.54	778.81	778.13	778.38	778.87	NI	NI	NI	NI	NI	NI
MW-34s	802.78	Depth (ft BTOC)	24.09	--	24.91	--	NM	24.29	23.04	22.43	22.70	23.35	22.89	23.63	24.49	24.15	23.60	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	778.69	--	777.87	--	NM	778.49	779.74	780.35	780.08	779.43	779.89	779.15	778.29	778.63	779.18	NI	NI	NI	NI	NI	NI
MW-35i	793.98	Depth (ft BTOC)	15.65	16.04	16.59	16.28	16.58	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	778.33	777.94	777.39	777.70	777.40	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-35d	793.99	Depth (ft BTOC)	15.84	16.00	16.64	16.25	NM	15.97	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	778.15	777.99	777.35	777.74	NM	778.02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-36s	793.95	Depth (ft BTOC)	15.75	16.02	16.52	16.20	16.53	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	778.20	777.93	777.43	777.75	777.42	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-36d	793.72	Depth (ft BTOC)	15.54	15.91	16.24	15.92	16.28	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	778.18	777.81	777.48	777.80	777.44	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-37s	803.22	Depth (ft BTOC)	24.37	24.80	--	24.81	25.19	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	778.85	778.42	--	778.41	778.03	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-38s	783.69	Depth (ft BTOC)	9.05	--	9.82	9.74	9.81	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	774.64	--	773.87	773.95	773.88	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-38d	783.55	Depth (ft BTOC)	30.86	31.00	31.33	31.00	31.14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	752.69	752.55	752.22	752.55	752.41	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-39s	792.84	Depth (ft BTOC)	14.59	14.85	15.34	15.00	15.38	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	778.25	777.99	777.50	777.84	777.46	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-39d	792.68	Depth (ft BTOC)	14.48	14.60	15.21	14.85	15.21	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	778.20	778.08	777.47	777.83	777.47	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-40s	776.49	Depth (ft BTOC)	22.03	23.05*	22.33	22.06	22.12	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	754.46	753.44*	754.16	754.43	754.37	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-40d	776.25	Depth (ft BTOC)	21.84	21.84	22.11	21.82	21.87	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	754.41	754.41	754.14	754.43	754.38	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
PRB-01s	784.06	Depth (ft BTOC)	6.80	--	7.57	--	7.73	6.84	5.81	5.10	5.20	5.85	5.49	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	777.26	--	776.49	--	776.33	777.22	778.25	778.96	778.86	778.21	778.57	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
PRB-02s	784.07	Depth (ft BTOC)	6.77	--	7.63	--	7.71	6.85	5.84	5.06	5.20	5.82	5.52	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
		Elevation (ft MSL)	777.30	--	776.44	--	776.36	777.22	778.23	779.01	778.87	778.25	778.55	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Surface Water Measurement Points (River Raisin)																							
E. Chicago Blvd	756.50	Depth (ft BTOC)	--	--	14.10	--	14.30	13.98	15.00	13.87	13.17	14.15	14.60	11.50*	14.46	13.89	14.90	13.42	13.32	14.00	NI	NI	NI
		Elevation (ft MSL)	--	--	742.40	--	742.20	742.52	741.50	742.63	743.33	742.35	741.90	745.00	742.04	742.61	741.60	743.08	743.18	742.51	NI	NI	NI
Russell Road	755.23	Depth (ft BTOC)	--	--	22.09	--	22.10	19.05	23.18	18.96	20.75	21.70	22.65	19.50	19.99	22.04	20.40	18.65	18.50	19.36	NI	NI	NI
		Elevation (ft MSL)	--	--	733.14	--	733.13	736.18	732.05	736.27	734.48	733.53	732.58	735.73	735.24	733.19	734.83	736.58	736.73	735.87	NI	NI	NI

Notes:

Survey conducted by Midwestern Consultants, Inc. (2009 - 2013)

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.

Table 3
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-4s/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
MW-8s/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
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
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

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

Table 3
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-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
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
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	0.000

Notes:

ft MSL - feet above mean sea level

* Anomalous, datum was not used.

Table 3
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
MW-28s/d	3/23/2010	779.15	779.11	-0.002
	5/10/2010	779.23	779.22	0.000
	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	0.000
	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
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

Notes:

ft MSL - feet above mean sea level

* Anomalous, datum was not used.

Table 3
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-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
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
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
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
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

Notes:

ft MSL - feet above mean sea level

* Anomalous, datum was not used.

Table 4
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	2.4	30.1	13.34
	5/18/2010	7.45	631	110	2.1	10	11.9
	9/10/2010	NM	678	29	3.4	38	15.96
	12/28/2010	6.85	603	140	4.54	29.4	13.08
	2/25/2011	7.67	603	-5	6.80	29.6	11.22
	5/11/2011	6.48	611	121	1.80	20.0	12.59
	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	9.5	12.93
	7/11/2012	7.41	620	35	3.23	9.0	15.00
	10/8/2012	7.73	586	6	2.77	10.2	15.68
	6/11/2013	7.33	546	27	1.87	8.2	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
MW-02s	12/9/2009	6.67	1,238	192	3.92	79.1	14.78
	3/17/2010	7.31	859	55	0.80	18.7	14.81
	5/18/2010	7.41	1,379	156	1.2	84	13.9
	9/10/2010	NM	1,413	35	1.6	49	16.16
	12/22/2010	6.97	1,500	28	2.82	33.0	14.90
	2/24/2011	7.06	1,450	-25	2.41	32.7	14.50
	5/10/2011	7.61	1,094	17	2.00	22.9	15.22
	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	9.2	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	9.3	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

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

Table 4
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	0.8	10	13.4
	9/10/2010	NM	1,320	11	0.5	39	18.70
	12/22/2010	6.96	1,298	24	0.44	31.9	13.42
	2/25/2011	6.82	1,466	38	0.80	25.2	8.84
	5/10/2011	7.15	1,199	39	1.55	21.5	11.00
	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	9.3	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
MW-04s	12/9/2009	6.87	970	68	7.17	4.70	15.47
	3/17/2010	6.57	763	78	0.22	16.7	15.69
	5/18/2010	7.20	928	168	0.4	5.0	13.6
	9/17/2010	7.03	817	49	0.4	33.3	18.14
	12/22/2010	6.99	838	-10	0.32	29.9	16.41
	2/25/2011	7.06	795	-9	0.60	24.5	14.15
	5/11/2011	6.84	815	50	0.93	20.2	13.75
	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	6.9	14.49
	7/11/2012	7.15	1,036	-2	0.28	9.7	17.73
	10/8/2012	7.39	926	-24	0.25	11.7	18.64
	6/3/2013	7.26	724	31	0.61	7.7	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
MW-04i	4/3/2013	7.08	865	-19	0.32	5.4	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

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

Table 4
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-05s	12/10/2009	7.41	765	131	7.19	NM	10.18
	3/17/2010	7.51	678	20	3.24	39.0	12.80
	5/17/2010	7.70	920	134	1.8	10	11.8
	9/9/2010	NM	886	46	3.5	56	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
MW-06s	12/9/2009	7.18	635	171	2.32	22.0	11.72
	3/18/2010	7.40	856	0	0.85	28.5	12.94
	5/17/2010	7.77	768	86	0.7	39	12.6
	9/10/2010	NM	1,254	116	0.9	47	12.70
	12/21/2010	7.13	979	-8	1.19	32.0	12.38
	2/18/2011	6.74	977	35	0.83	27.3	12.51
	5/10/2011	7.47	870	31	1.60	25.0	12.47
	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	9.0	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	4.3	13.87
	11/7/2013	7.26	1,038	66	1.40	26.1	12.90

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

Table 4
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-07s	12/10/2009	7.27	822	95	3.41	NM	10.43
	3/17/2010	7.20	770	-2	1.69	22.9	11.91
	5/17/2010	7.73	930	151	1.5	10	11.80
	9/10/2010	NM	833	109	3.2	39	13.00
	12/21/2010	7.13	846	15	2.80	35.0	12.45
	2/24/2011	6.90	871	92	2.68	25.9	11.95
	5/13/2011	7.41	703	38	6.20	24.8	13.30
	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	9.5	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
MW-08s	12/10/2009	7.49	828	119	8.60	NM	10.91
MW-08d	4/2/2013	6.95	771	-5	0.31	1.9	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
MW-09s	12/9/2009	7.14	661	172	6.32	15.7	11.63
	3/18/2010	7.34	436	121	4.75	44.5	7.32
	5/18/2010	7.56	506	206	3.0	19	10.40
	9/17/2010	7.29	709	58	2.5	46.7	16.92
	2/25/2011	7.45	663	11	6.39	30.0	6.58
	5/11/2011	7.57	395	87	12.13*	24.6	9.48

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

Table 4
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-10s	12/9/2009	7.01	825	-1	6.16	144	9.99
	3/16/2010	7.28	816	-24	0.17	38.0	7.79
	5/12/2010	5.99	570	223	0.4	28	8.10
	9/3/2010	NM	925	-29	0.3	56	16.10
	12/16/2010	6.95	1,293	-53	0.18	49.5	10.40
	2/15/2011	6.85	1,251	-4	0.68	39.5	7.70
	5/9/2011	7.30	509	-20	0.22	38.6	7.71
	7/20/2011	7.24	878	-22	0.11	21.0	14.35
	10/4/2011	7.00	810	24.5	4.3*	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
MW-10d	12/9/2009	6.98	1,150	6	1.69	0.88	10.05
MW-11s	12/9/2009	7.14	969	140	8.59	27.2	10.18
	3/15/2010	7.31	632	83	7.05	199	11.43
	5/14/2010	6.89	728	195	2.7	85	12.1
	9/3/2010	NM	828	109	5.4	98	14.50
	12/17/2010	6.71	1,093	108	3.51	51.9	11.00
	2/17/2011	7.04	863	104	5.18	49.5	11.86
	5/12/2011	7.28	691	57	9.48	45.5	12.63
	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

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

Table 4
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-12s	12/10/2009	6.34	906	165	8.03	9.80	10.51
	3/15/2010	7.40	965	80	6.61	39.4	10.12
	5/14/2010	7.11	2,000	200	2.7	10	10.6
	9/3/2010	NM	1,650	108	5.4	46	16.30
	12/14/2010	6.97	1,371	34	6.61	35.3	11.70
	2/14/2011	NM	1,228	41	7.72	27.5	10.87
	5/12/2011	7.23	2,100	37	9.25	27.3	11.73
	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	9.3	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	12.32
	11/7/2013	6.84	1,145	88	8.11	33	13.90
	5/14/2014	7.15	2,290	49	6.31	24.0	10.30
MW-12d	3/18/2010	7.14	1,780	-94	0.23	59.2	12.07
	5/14/2010	7.19	1,880	-46	0.2	15	12.2
	9/3/2010	NM	2,200	-93	0.3	110	15.60
	12/14/2010	6.96	2,250	-91	0.30	32.8	7.60
	2/14/2011	6.84	2,370	-79	0.24	25.3	11.10
	5/12/2011	7.14	2,450	-96	0.95	25.5	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	15	13.88
	11/7/2013	7.15	1,640	-61	0.28	28	11.86
	5/15/2014	7.06	1,670	-34	0.45	29.0	12.04

Notes:
S.U. = standard pH units
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Table 4
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-13s	12/10/2009	6.51	1,264	122	3.26	9.70	11.24
	3/15/2010	7.05	1,760	75	2.38	44.0	10.87
	5/14/2010	7.00	2,810	87	1.5	10	11.4
	9/3/2010	NM	2,170	71	2.6	44	15.70
	12/14/2010	6.85	2,050	18	4.70	45.2	11.30
	2/14/2011	6.80	1,870	8	9.32	261	8.86
	5/12/2011	7.23	2,010	20	8.30	37	12.68
	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	13.12
	11/7/2013	6.84	3,000	94	2.75	30	13.75
	5/15/2014	6.96	2,840	46	4.35	37.8	10.57
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	3.0	4.5	9.9
	9/3/2010	NM	1,338	57	0.5	35	19.50
	12/20/2010	6.56	2,020	54	0.70	30.2	9.25
	2/16/2011	7.02	1,373	146	4.15	25.9	6.62
	5/11/2011	7.39	844	45	6.49	24.0	11.80
	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	9.5	9.13
	7/3/2012	6.99	897	22	0.99	14.4	17.98

Notes:
S.U. = standard pH units
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NTU = nephelometric turbidity units
°C = degrees Celsius
* = Dissolved oxygen measurement recorded in percent of saturation, not mg/L
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Table 4
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-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
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*	6.0	11.61
	1/5/2012	6.98	595	189	4.88	6.0	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	7.4	12.18
	11/5/2013	7.10	666	88	6.10	28.2	11.77

Notes:
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Table 4
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-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
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	7.6	13.03
	11/4/2013	7.28	1,298	64	6.71	32.5	12.88

Notes:

S.U. = standard pH units

umhos/cm = micromhos per centimeter

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mg/L = milligrams per liter

NTU = nephelometric turbidity units

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Table 4
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-19s	12/8/2009	6.82	1,065	53	2.73	15.6	12.37
	3/16/2010	7.15	895	6	1.95	20.2	12.66
	5/18/2010	6.63	971	150	0.6	10	11.6
	9/10/2010	NM	1,470	114	2.7	43	13.34
	12/20/2010	7.04	1,131	7	1.93	31.9	12.49
	2/18/2011	7.17	1,229	36	2.65	25.5	12.25
	5/10/2011	7.19	1,043	12	1.25	22.5	12.67
	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	9.3	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	7.2	14.35
	11/7/2013	7.14	809	50	0.73	26.2	12.70
MW-19d	12/8/2009	6.86	1,067	-84	0.71	66.6	10.99
	3/16/2010	7.00	913	-76	0.31	96.2	11.89
	5/12/2010	7.91	1,185	-30	0.4	23	11.7
	9/8/2010	NM	1,219	-103	0.2	80	15.75
	12/20/2010	7.18	1,162	-117	0.24	38.0	9.95
	2/18/2011	6.30	1,257	17	0.49	35.3	11.57
	5/10/2011	7.14	1,256	-120	0.26	64.2	12.78
	7/25/2011	7.20	1,293	-116	0.12	22.0	16.20
	10/5/2011	NM	985	-220	2.8*	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	4.9	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

Notes:
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Table 4
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-20s	12/10/2009	7.48	418	15	2.93	8.30	9.75
	3/17/2010	7.15	411	125	2.08	43.0	6.34
	5/18/2010	6.94	488	177	1.4	47	10.7
	9/10/2010	NM	512	109	1.0	42	18.03
	12/21/2010	7.04	553	94	1.11	35.7	9.63
	2/18/2011	7.58	599	34	1.60	29.7	7.17
	5/13/2011	7.47	550	29	5.98	26.9	10.20
	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
MW-20d	12/10/2009	6.87	1,006	-41	0.82	0.77	11.18
	3/17/2010	6.98	928	-89	0.82	22.2	10.85
	5/18/2010	6.92	1,183	27	0.3	10	10.4
	9/10/2010	NM	1,184	-30	0.3	49	15.89
	12/21/2010	6.98	1,205	-110	0.19	34.7	11.08
	2/18/2011	7.38	1,216	-135	0.52	33.5	11.61
	5/13/2011	7.28	1,165	-118	0.26	37.0	12.70
	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	9.3	15.25
	10/19/2012	7.66	982	-201	0.24	9.0	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

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Table 4
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	1.8	8.0	12.2
	10/15/2010	6.91	1,160	180	4.2	29.3	13.03
	12/22/2010	7.11	1,084	21	5.00	34.3	11.87
	2/24/2011	6.99	1,243	-10	5.02	28.5	12.03
	5/11/2011	7.23	965	92	6.71	23.2	13.08
	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	9.5	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
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	1.4	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	2.6	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

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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-23	12/8/2009	6.63	1,520	-29	0.68	49.0	12.91
	3/16/2010	6.84	1,280	-76	0.25	86.5	10.97
	5/18/2010	7.02	1,600	18	0.2	10.0	10.60
	9/10/2010	NM	1,550	-87	0.2	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*	4.0	15.92
	11/4/2011	5.64	1,709	NM	NM	4.9	14.70
	1/9/2012	6.89	1,390	-77	0.24	3.0	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
MW-24s	12/8/2009	7.24	1,710	5	3.86	NM	13.10
	3/15/2010	7.49	1,142	-10	2.29	27.7	12.26
	5/12/2010	7.95	1,262	91	1.7	10.0	11.3
	9/8/2010	NM	1,495	54	3.2	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*	1.0	14.66
	1/5/2012	7.10	1,087	70	3.81	3.8	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	4.3	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

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
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	3.8	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
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	5.3	13.34
	1/5/2012	6.87	820	65	2.22	0.9	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	9.9	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

Notes:
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Table 4
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-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	3.1	13.53
	11/5/2013	6.83	997	-9	0.68	26.1	12.81
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

Notes:

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Table 4
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-27d	3/23/2010	7.27	1,175	-108	0.21	23.9	12.79
	5/17/2010	6.90	1,429	127	0.3	3.0	12.7
	9/9/2010	NM	1,468	-12	0.4	35	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	9.6	12.03
	7/5/2012	7.11	1,500	-56	0.28	9.8	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
MW-28s	3/23/2010	7.30	778	-1	1.93	22.2	11.50
	5/17/2010	7.48	1,260	148	1.5	10	12.1
	9/9/2010	NM	779	42	1.5	41	12.85
	12/17/2010	6.92	736	130	1.19	35.0	10.10
	2/16/2011	7.18	916	26	1.67	26.0	11.99
	5/12/2011	7.72	1,165	51	3.37	23.5	12.86
	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

Notes:

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Table 4
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-28d	3/23/2010	7.26	827	-81	0.31	31.9	11.41
	5/17/2010	7.38	926	148	0.5	16	13.2
	9/9/2010	NM	901	10	0.9	58	13.37
	12/17/2010	7.00	999	-129	0.15	34.9	10.20
	2/16/2011	7.26	936	-174	0.21	29.0	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	29.0	11.85
MW-29s	3/18/2010	7.05	2,820	-59	0.37	24.8	12.71
	5/17/2010	6.98	3,270	-16	0.2	18	12.8
	9/9/2010	NM	4,410	-107	0.3	35	16.30
	12/15/2010	6.61	6,020	-121	0.42	39.5	12.91
	2/15/2011	6.78	4,910	-241	0.34	33.9	12.65
	5/12/2011	6.78	3,900	-121	0.22	24.7	13.45
	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	10	14.79
	11/6/2013	6.52	5,260	-65	0.45	28	15.67
	5/15/2014	6.68	4,370	-46	0.45	27.0	11.52

Notes:
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mg/L = milligrams per liter
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Table 4
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-29d	3/18/2010	7.24	1,182	-134	0.21	5,999	13.78
	5/17/2010	7.40	1,405	60	1.0	10	15.0
	9/9/2010	NM	1,437	6	0.6	35	19.35
	12/15/2010	6.99	1,570	-90	1.57	42.3	0.52
	2/15/2011	7.15	1,550	-202	0.30	1245	11.28
	5/12/2011	7.26	1,403	-54	6.65	40.5	21.01
	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
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

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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-30d	3/23/2010	6.92	1,670	-94	0.36	36.0	12.10
	5/17/2010	7.48	1,910	-5	0.2	44	13.6
	9/9/2010	NM	1,870	-98	0.2	52	16.35
	12/16/2010	6.88	1,830	-94	0.22	44.5	11.70
	2/15/2011	7.11	1,800	-146	0.78	40.3	12.60
	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	8.6	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
MW-31	6/18/2010	6.93	1,416	139	4.96	14.8	12.96
	9/17/2010	7.03	1,052	107	4.6	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	0.00	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	9.3	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

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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-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
MW-32d	5/20/2013	7.30	999	-106	0.43	9.5	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
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	8.4	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

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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-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	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	8.0	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	8.3	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
MW-34d	5/20/2013	7.19	1,260	-122	0.42	9.3	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
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	1.2	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
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	8.7	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

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

Table 4
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-36s	4/3/2013	6.95	893	36	0.37	4.7	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
MW-36d	4/2/2013	6.79	1,780	-59	0.24	9.6	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
MW-37s	4/3/2013	6.93	995	87	0.45	6.9	12.27
	6/3/2013	7.21	978	55	0.57	9.7	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
MW-38s	4/3/2013	6.99	878	64	0.48	8.9	8.71
	6/3/2013	7.20	1,095	54	1.17	9.7	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
MW-38d	4/3/2013	6.94	981	71	1.65	5.4	12.50
	6/12/2013	7.09	983	93	0.96	9.9	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
MW-39s	4/3/2013	6.98	1,058	83	0.50	9.7	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

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

Table 4
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	5.9	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
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
MW-40d	4/3/2013	7.09	3,010	-88	0.31	9.9	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
NS-18s	5/20/2014	7.48	570	-5	3.49	24.0	13.64
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
NS-18d	5/20/2014	7.22	910	-80	0.49	48.0	15.37
NS-19s	5/20/2014	7.36	799	-148	0.78	41.9	13.50
NS-19i	5/20/2014	7.30	847	-86	0.61	45.5	13.72
NS-19d	5/20/2014	7.26	898	-86	0.29	42.0	14.31
NS-20s	5/20/2014	7.42	507	-76	2.80	46.0	12.56
NS-20i	5/20/2014	7.50	755	-206	0.67	50.0	12.89
SS-09s	5/20/2014	7.47	596	8	5.19	43.0	14.04
SS-09i	5/20/2014	7.35	989	-52	0.42	39.8	14.05
SS-10s	5/21/2014	7.38	665	162	4.57	29.4	13.62
SS-10i	5/21/2014	7.24	1,103	-23	0.48	40.0	13.75
SS-10d	5/21/2014	7.29	1,046	-108	0.19	41.8	13.25

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

Table 5
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[2]	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[2]	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	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	1,100[1]	740	130	620	1,500[1]	60[1]	89	330[1]	200[1]	NC	13[1]
Residential GWSLs for Vapor Intrusion		4.3E+06	44,000	4,300	370	83	360	94	17,000	96	10	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	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	4.4E+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
MW-01s (16-21') Depth to Groundwater Approx. 16 - 19'	3/13/2009	<100	<100	<20	<20	<20	<20	<20	**750**	<20	**2,700**	<20	<20
	4/20/2009	NA	<500	<100	<100	<100	<100	<100	**1,100**	<100	**2,200**	NA	<100
	12/9/2009	<100	<100	<20	<20	<20	<20	<20	**1,000**	<20	**3,400**	<20	<20
	3/17/2010	<100	<100	<20	<20	<20	<20	<20	**1,400**	<20	**2,500**	<20	<20
	5/18/2010	<100	<100	<20	<20	<20	<20	<20	**1,000**	<20	**2,700**	<20	<20
	9/10/2010	<100	<100	<20	<20	<20	<20	<20	**750**	<20	**2,400**	<20	<20
	12/28/2010	<100	<100	<20	<20	<20	<20	<20	**1,100**	<20	**2,500**	<20	<20
	2/25/2011	<50	<50	<10	<10	<10	<10	<10	**560**	<10	**1,300**	<10	<10
	5/11/2011[4]	<50	<50	<10	<10	<10	<10	<10	**860**	<10	**1,900**	<10	<10
	7/28/2011	<100	<100	<20	<20	<20	<20	<20	**500**	<20	**1,900**	<20	<20
	10/6/2011	<100	<100	<20	<20	<20	<20	<20	**540**	<20	**2,000**	<20	<20
	1/9/2012	<100	<100	<20	<20	**31**	<20	<20	**530**	<20	**2,000**	<20	<20
	4/4/2012	<100	<100	<20	<20	**38**	<20	<20	**480**	<20	**1,900**	<20	<20
	7/11/2012	<100	<100	<20	<20	<20	<20	<20	**560**	<20	**2,100**	<20	<20
	10/8/2012	<100	<100	<20	<20	<20	<20	<20	**650**	<20	**2,000**	<20	<20
	6/11/2013	<100	<100	<20	<20	<20	<20	<20	**470**	<20	**1,400**	<20	<20
	11/12/2013	<100	<100	<20	<20	<20	<20	<20	**660**	<20	**1,800**	<20	<20
	5/21/2014	<50	<50	<10	<10	<10	<10	<10	**370**	<10	**1,500**	<10	<10
DUP-01 (MW-01s)	3/13/2009	<20	<20	<20	<20	<20	<20	<20	**720**	<20	**2,700**	<20	<20
MW-02s (23-28') Depth to Groundwater Approx. 22 - 24'	3/13/2009	<10	<10	<2.0	<2.0	**2.4**	<2.0	**2.2**	**2.5**	<2.0	**280**	<2.0	<2.0
	4/20/2009	NA	<50	<10	<10	<10	<10	<10	<10	<10	**130**	NA	<10
	12/9/2009	<10	<10	<2.0	<2.0	**3.7**	<2.0	**2.7**	**2.9**	<2.0	**250**	<2.0	<2.0
	3/17/2010	**13**	<10	<2.0	<2.0	**4.1**	<2.0	**2.3**	**3.1**	<2.0	**290**	<2.0	<2.0
	5/18/2010	<10	<10	<2.0	<2.0	**2.3**	<2.0	**2.4**	**2.6**	<2.0	**210**	<2.0	<2.0
	9/10/2010	<10	<10	<2.0	<2.0	**2.3**	<2.0	**2.3**	**2.3**	<2.0	**220**	<2.0	<2.0
	12/22/2010	<10	<10	<2.0	<2.0	**2.4**	<2.0	**2.3**	**3.1**	<2.0	**240**	<2.0	<2.0
	2/24/2011	<10	<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	<10	<2.0	<2.0	<2.0	<2.0	<2.0	**2.3**	<2.0	**250**	<2.0	<2.0
	7/28/2011[5]	<10	<10	<2.0	<2.0	**2.0**	<2.0	**2.2**	**2.4**	<2.0	**280**	<2.0	<2.0
	10/7/2011	<10	<10	<2.0	<2.0	<2.0	<2.0	**2.5**	**2.5**	<2.0	**220**	<2.0	<2.0
	1/10/2012	<10	<10	<2.0	<2.0	<2.0	<2.0	**2.8**	**2.5**	<2.0	**190**	<2.0	<2.0
	4/5/2012	<10	<10	<2.0	<2.0	**2.7**	<2.0	**3.5**	**3.4**	<2.0	**210**	<2.0	<2.0
	7/11/2012	<10	<10	<2.0	<2.0	**2.2**	<2.0	**2.5**	**3.5**	<2.0	**330**	<2.0	<2.0
	10/25/2012	<10	<10	<2.0	<2.0	<2.0	<2.0	<2.0	**2.6**	<2.0	**270**	<2.0	<2.0
	6/11/2013	<10	<10	<2.0	<2.0	<2.0	<2.0	<2.0	**2.8**	<2.0	**300**	<2.0	<2.0
	11/12/2013	<12	<12	<2.5	<2.5	**2.8**	<2.5	<2.5	**4.4**	<2.5	**410**	<2.5	<2.5
	5/19/2014	<12	<12	<2.5	<2.5	<2.5	<2.5	<2.5	**3.1**	<2.5	**280**	<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 criteria
* 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) 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 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 5
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[2]	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[2]	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	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	1,100[1]	740	130	620	1,500[1]	60[1]	89	330[1]	200[1]	NC	13[1]
Residential GWSLs for Vapor Intrusion		4.3E+06	44,000	4,300	370	83	360	94	17,000	96	10	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	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	4.4E+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
MW-03s (9-14') Depth to Groundwater Approx. 8 - 10'	3/13/2009	<10	<10	**9.1**	<2.0	**240**	**9.1**	<2.0	<2.0	<2.0	<2.0	<2.0	**140**
	4/20/2009	NA	<50	**18**	<10	**490**	**18**	<10	<10	<10	<10	NA	**210**
	12/8/2009	<120	<120	**46**	<25	**2,200**	**83**	<25	<25	<25	<25	<25	**130**
	3/17/2010	<25	<25	**11**	<5.0	**460**	**17**	<5.0	<5.0	<5.0	<5.0	<5.0	**42**
	5/18/2010	<25	<25	**14**	<5.0	**630**	**24**	<5.0	<5.0	<5.0	<5.0	<5.0	**34**
	9/10/2010	<50	<50	**29**	<10	**1,600**	**63**	<10	<10	<10	<10	<10	**83**
	12/22/2010	<50	<50	**32**	<10	**1,800**	**82**	<10	<10	<10	<10	<10	**70**
	2/25/2011	<100	<100	**33**	<20	**2,200**	**110**	<20	<20	<20	<20	<20	**75**
	5/10/2011[4]	<100	<100	**25**	<20	**1,600**	**77**	<20	<20	<20	<20	<20	**52**
	7/28/2011	<100	<100	**23**	<20	**1,700**	**78**	<20	<20	<20	<20	<20	**65**
	10/6/2011	<100	<100	**24**	<20	**2,100**	**100**	<20	<20	<20	<20	<20	**91**
	1/10/2012	<50	<50	**22**	<10	**1,300**	**81**	<10	<10	<10	<10	<10	**51**
	4/4/2012	<100	<100	<20	<20	**1,600**	**84**	<20	<20	<20	**20**	<20	**170**
	7/11/2012	<100	<100	**23**	<20	**2,500**	**120**	<20	<20	<20	**25**	<20	**210**
	10/8/2012	<100	<100	<20	<20	**1,700**	**93**	<20	<20	<20	<20	<20	**100**
	6/3/2013	<100	<100	**24**	<20	**2,000**	**120**	<20	<20	<20	<20	<20	**220**
	11/11/2013	<100	<100	**35**	<20	**2,500**	**150**	<20	<20	<20	<20	<20	**350**
	5/19/2014	<100	<100	<20	<20	**1,500**	**99**	<20	<20	<20	<20	<20	**150**
DUP-01 (MW-03s)	12/8/2009	<120	<120	**42**	<25	**2,000**	**73**	<25	<25	<25	<25	<25	**120**
MW-04s (15-20') Depth to Groundwater Approx. 15 - 17'	3/13/2009	<120	<120	<25	<25	**2,100**	**70**	<25	<25	<25	**5,000**	<25	**460**
	4/20/2009	NA	<500	<100	<100	**1,700**	<100	<100	<100	<100	**4,000**	NA	**520**
	12/9/2009	<250	<250	<50	<50	**2,500**	**90**	<50	<50	<50	**7,100**	<50	**270**
	3/17/2010	<250	<250	<50	<50	**2,900**	**82**	<50	<50	<50	**7,500**	<50	**520**
	5/18/2010	<250	<250	<50	<50	**2,100**	**58**	<50	<50	<50	**4,700**	<50	**280**
	9/17/2010	<250	<250	<50	<50	**2,400**	**70**	<50	<50	<50	**5,200**	<50	**200**
	12/22/2010	<250	<250	<50	<50	**2,700**	**91**	<50	<50	<50	**6,700**	<50	**270**
	2/25/2011	<250	<250	<50	<50	**2,500**	**82**	<50	<50	<50	**5,900**	<50	**280**
	5/11/2011[4]	<250	<250	<50	<50	**1,900**	**58**	<50	<50	<50	**4,600**	<50	**270**
	7/28/2011	<250	<250	<50	<50	**1,700**	**50**	<50	<50	<50	**4,600**	<50	**190**
	10/6/2011	<250	<250	<50	<50	**2,000**	**58**	<50	<50	<50	**4,600**	<50	**190**
	1/10/2012	<250	<250	<50	<50	**1,800**	**72**	<50	<50	<50	**4,800**	<50	**190**
	4/4/2012	<250	<250	<50	<50	**1,600**	**54**	<50	<50	<50	**4,300**	<50	**170**
	7/11/2012	<250	<250	<50	<50	**2,100**	**65**	<50	<50	<50	**5,600**	<50	**200**
	10/8/2012	<250	<250	<50	<50	**2,200**	**66**	<50	<50	<50	**6,700**	<50	**200**
	6/3/2013	<250	<250	<50	<50	**1,900**	**63**	<50	<50	<50	**5,700**	<50	**140**
	11/11/2013	<250	<250	<50	<50	**1,900**	**66**	<50	<50	<50	**6,600**	<50	**140**
	5/19/2014	<250	<250	<50	<50	**1,100**	<50	<50	<50	<50	**3,900**	<50	**56**

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 criteria
* 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) 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 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 5
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[2]	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[2]	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	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	1,100[1]	740	130	620	1,500[1]	60[1]	89	330[1]	200[1]	NC	13[1]
Residential GWSLs for Vapor Intrusion		4.3E+06	44,000	4,300	370	83	360	94	17,000	96	10	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	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	4.4E+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
MW-04i (21.5-26.5') Depth to Groundwater Approx. 16-17'	4/3/2013	<250	<250	<50	<50	**3,100**	**100**	<50	<50	<50	**5,000**	<50	**53**
	6/3/2013	<250	<250	<50	<50	**3,400**	**96**	<50	<50	<50	**4,900**	<50	**53**
	8/29/2013	<250	<250	<50	<50	**3,900**	**120**	<50	<50	<50	**5,600**	<50	**68**
	11/11/2013	<250	<250	<50	<50	**4,200**	**120**	<50	<50	<50	**5,400**	<50	**78**
	3/27/2014	<250	<250	<50	<50	**3,000**	**79**	<50	<50	<50	**4,000**	<50	<50
	5/19/2014	<250	<250	<50	<50	**3,300**	**100**	<50	<50	<50	**4,600**	<50	**56**
MW-05s (25-30') Depth to Groundwater Approx. 25 - 27'	3/13/2009	<5.0	<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	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**140**	NA	<5.0
	12/10/2009	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<5.0	<1.0	<1.0	<1.0	<1.0	**3.4**	<1.0	<1.0	**100**	<1.0	<1.0
MW-06s (24-29') Depth to Groundwater Approx. 23 - 26'	3/16/2009	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**27**	<1.0	<1.0

Notes:
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Table 5
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Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[2]	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[2]	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	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	1,100[1]	740	130	620	1,500[1]	60[1]	89	330[1]	200[1]	NC	13[1]
Residential GWSLs for Vapor Intrusion		4.3E+06	44,000	4,300	370	83	360	94	17,000	96	10	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	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	4.4E+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
MW-07s (23.5-28.5') Depth to Groundwater Approx. 24 - 26'	3/16/2009	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.6**	<1.0	**13**	<1.0	<1.0
MW-08s (23.5-28.5') Depth to Groundwater 23 - 26'	3/16/2009	<5.0	<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	<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	<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	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	<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	<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	<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	<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	<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	<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	<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	<100	<20	<20	<20	<20	<20	**160**	<20	**1,700**	<20	<20
	4/20/2009	NA	<500	<100	<100	<100	<100	<100	**220**	<100	**2,100**	NA	<100
	12/9/2009	<100	<100	<20	<20	<20	<20	<20	**150**	<20	**2,400**	<20	<20
	3/18/2010	<100	<100	<20	<20	<20	<20	<20	**120**	<20	**1,500**	<20	<20
	5/18/2010	<100	<100	<20	<20	<20	<20	<20	**120**	<20	**1,700**	<20	<20
	9/17/2010	<100	<100	<20	<20	<20	<20	<20	**120**	<20	**1,700**	<20	<20
	2/25/2011	<50	<50	<10	<10	<10	<10	<10	**84**	<10	**1,100**	<10	<10
	5/11/2011[4]	<50	<50	<10	<10	<10	<10	<10	**83**	<10	**1,200**	<10	<10

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Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[2]	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[2]	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	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	1,100[1]	740	130	620	1,500[1]	60[1]	89	330[1]	200[1]	NC	13[1]
Residential GWSLs for Vapor Intrusion		4.3E+06	44,000	4,300	370	83	360	94	17,000	96	10	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	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	4.4E+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
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
	12/9/2009	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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
MW-10d (14-19') Depth to Groundwater Approx. 9 -10'	12/9/2009	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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
	1/13/2010	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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 criteria
* 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) 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 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 5
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[2]	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[2]	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	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	1,100[1]	740	130	620	1,500[1]	60[1]	89	330[1]	200[1]	NC	13[1]
Residential GWSLs for Vapor Intrusion		4.3E+06	44,000	4,300	370	83	360	94	17,000	96	10	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	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	4.4E+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
DUP-02 (MW-11s)	5/14/2010	<5.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-12s (12-17') Depth to Groundwater Approx. 13 - 15'	5/15/2009	NA	<1.0	<1.0	<1.0	<1.0	<1.0	**1.4**	<1.0	<1.0	<1.0	<1.0	<1.0
	12/30/2009	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<5.0	<1.0	<1.0	<1.0	<1.0	**1.7**	<1.0	<1.0	<1.0	<1.0	<1.0
MW-12d (33-38') Depth to Groundwater Approx. 13 - 15'	3/18/2010	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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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ug/L = micrograms per liter; NC = No criteria; NA = Not analyzed

Bold font denotes concentrations detected above laboratory reporting limits

Denotes concentrations above one or more criteria

* 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) 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 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 5
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Tecumseh, Michigan

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Residential DW Criteria		13,000	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	1,100[1]	740	130	620	1,500[1]	60[1]	89	330[1]	200[1]	NC	13[1]
Residential GWSLs for Vapor Intrusion		4.3E+06	44,000	4,300	370	83	360	94	17,000	96	10	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	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	4.4E+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
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
	12/10/2009	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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
	12/8/2009	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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 criteria

* 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) 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 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 5
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[2]	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[2]	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	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	1,100[1]	740	130	620	1,500[1]	60[1]	89	330[1]	200[1]	NC	13[1]
Residential GWSLs for Vapor Intrusion		4.3E+06	44,000	4,300	370	83	360	94	17,000	96	10	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	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	4.4E+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
MW-14d (37.5-42.5') Depth to Groundwater Approx. 30 - 31'	3/23/2010	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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-14d)	6/12/2013	<5.0	<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	<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 criteria

* 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.

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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 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 5
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Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[2]	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[2]	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	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	1,100[1]	740	130	620	1,500[1]	60[1]	89	330[1]	200[1]	NC	13[1]
Residential GWSLs for Vapor Intrusion		4.3E+06	44,000	4,300	370	83	360	94	17,000	96	10	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	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	4.4E+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
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
	12/30/2009	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-17s (3-8') Depth to Groundwater Approx. 6'	7/23/2009	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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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Residential DW Criteria		13,000	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	1,100[1]	740	130	620	1,500[1]	60[1]	89	330[1]	200[1]	NC	13[1]
Residential GWSLs for Vapor Intrusion		4.3E+06	44,000	4,300	370	83	360	94	17,000	96	10	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	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	4.4E+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
MW-18s (26-31') Depth to Groundwater Approx. 25 - 27'	12/8/2009	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**	<1.0	**25**	<1.0	<1.0
DUP-03 (MW-19s)	9/10/2010	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.0**	**1.7**	<1.0	**32**	<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 criteria

* 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) 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 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 5
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[2]	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[2]	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	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	1,100[1]	740	130	620	1,500[1]	60[1]	89	330[1]	200[1]	NC	13[1]
Residential GWSLs for Vapor Intrusion		4.3E+06	44,000	4,300	370	83	360	94	17,000	96	10	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	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	4.4E+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
DUP-02 (MW-19s)	2/18/2011	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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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* 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) 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 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	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	1,100[1]	740	130	620	1,500[1]	60[1]	89	330[1]	200[1]	NC	13[1]
Residential GWSLs for Vapor Intrusion		4.3E+06	44,000	4,300	370	83	360	94	17,000	96	10	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	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	4.4E+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
MW-20s (8-13') Depth to Groundwater* Approx. 4 - 6'	12/30/2009	<5.0	<5.0	**48**	**4.0**	**9.6**	<1.0	<1.0	**150**	<1.0	**71**	**2.9**	<1.0
	1/13/2010	<5.0	<5.0	**50**	**3.5**	**9.0**	<1.0	<1.0	**170**	<1.0	**70**	**2.8**	<1.0
	3/17/2010	<5.0	<5.0	**51**	**3.8**	**9.4**	<1.0	<1.0	**160**	<1.0	**64**	**3.2**	<1.0
	5/18/2010	<10	<10	**58**	**5.1**	**12**	<2.0	<2.0	**210**	<2.0	**94**	**3.4**	<2.0
	9/10/2010	<10	<10	**34**	**4.2**	**9.7**	<2.0	<2.0	**230**	<2.0	**110**	**3.8**	<2.0
	12/21/2010	<10	<10	**24**	**3.6**	**6.1**	<2.0	<2.0	**200**	<2.0	**89**	**3.6**	<2.0
	2/18/2011	<10	<10	**19**	**3.3**	**5.5**	<2.0	<2.0	**190**	<2.0	**93**	**3.5**	<2.0
	5/13/2011	<10	<10	**14**	**2.8**	**4.1**	<2.0	<2.0	**190**	<2.0	**91**	**2.9**	<2.0
	7/25/2011	<10	<10	**6.5**	<2.0	**2.4**	<2.0	<2.0	**190**	<2.0	**100**	**2.3**	<2.0
	10/10/2011	<10	<10	**5.8**	<2.0	<2.0	<2.0	<2.0	**190**	<2.0	**110**	**3.1**	<2.0
	1/9/2012	<5.0	<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	<5.0	**11**	**1.1**	**2.0**	<1.0	<1.0	**180**	<1.0	**100**	**2.6**	<1.0
	7/10/2012	<10	<10	**17**	<2.0	**2.5**	<2.0	<2.0	**190**	<2.0	**100**	**2.3**	<2.0
	10/19/2012	<10	<10	**24**	<2.0	**3.8**	<2.0	<2.0	**190**	<2.0	**98**	**2.0**	<2.0
	5/31/2013	<10	<10	**18**	**2.6**	**6.7**	<2.0	<2.0	**240**	<2.0	**120**	<2.0	<2.0
	11/8/2013	<10	<10	**6.1**	<2.0	<2.0	<2.0	<2.0	**250**	<2.0	**140**	<2.0	<2.0
	5/15/2014	<10	<10	**4.0**	<2.0	<2.0	<2.0	<2.0	**150**	<2.0	**110**	<2.0	<2.0
MW-20d (38.5-43.5') Depth to Groundwater Approx. 12 - 16'	12/30/2009	<5.0	<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	<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	<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	<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	<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	<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	<10	<2.0	<2.0	**190**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**3.2**
	5/13/2011	<10	<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	<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	<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	<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	<5.0	<1.0	<1.0	**190**	<1.0	<1.0	<1.0	<1.0	**1.0**	<1.0	**10**
	7/10/2012	<10	<10	<2.0	<2.0	**230**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**14**
	10/19/2012	<10	<10	<2.0	<2.0	**180**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**43**
	6/3/2013	<10	<10	<2.0	<2.0	**250**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**67**
	11/8/2013	<10	<10	<2.0	<2.0	**310**	<2.0	<2.0	<2.0	<2.0	**5.5**	<2.0	**110**
	5/15/2014	<10	<10	<2.0	<2.0	**380**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**110**
DUP-03 (MW-20d)	5/18/2010	<5.0	<5.0	<1.0	<1.0	**120**	**1.0**	<1.0	<1.0	<1.0	<1.0	<1.0	**3.7**

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 criteria
* 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) 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 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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Table 5
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[2]	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[2]	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	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	1,100[1]	740	130	620	1,500[1]	60[1]	89	330[1]	200[1]	NC	13[1]
Residential GWSLs for Vapor Intrusion		4.3E+06	44,000	4,300	370	83	360	94	17,000	96	10	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	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	4.4E+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
MW-21 (28.5-33.5') Depth to Groundwater Approx. 29 - 30'	12/8/2009	<50	<50	**31**	<10	**59**	<10	<10	**54**	<10	**840**	<10	<10
	1/13/2010	<50	<50	**28**	<10	**62**	<10	<10	**56**	<10	**730**	<10	<10
	3/23/2010	<5.0	<5.0	**33**	**2.2**	**81**	**7.5**	<1.0	**62**	<1.0	**850**	<1.0	<1.0
	5/18/2010	<50	<50	**35**	<10	**89**	<10	<10	**63**	<10	**830**	<10	<10
	10/15/2010	<50	<50	**26**	<10	**80**	<10	<10	**59**	<10	**810**	<10	<10
	12/22/2010	<50	<50	**25**	<10	**69**	<10	<10	**55**	<10	**730**	<10	<10
	2/24/2011	<50	<50	**25**	<10	**66**	<10	<10	**52**	<10	**730**	<10	<10
	5/11/2011[4]	<50	<50	**24**	<10	**65**	<10	<10	**49**	<10	**740**	<10	<10
	7/28/2011	<50	<50	**22**	<10	**77**	<10	<10	**54**	<10	**1,000**	<10	<10
	10/6/2011	<50	<50	**22**	<10	**74**	<10	<10	**55**	<10	**960**	<10	<10
	1/10/2012	<50	<50	**27**	<10	**79**	<10	<10	**64**	<10	**990**	<10	<10
	4/4/2012	<50	<50	**25**	<10	**81**	<10	<10	**55**	<10	**980**	<10	<10
	7/11/2012	**58**	<50	**25**	<10	**85**	<10	<10	**63**	<10	**1,000**	<10	<10
	10/8/2012	<50	<50	**22**	<10	**65**	<10	<10	**47**	<10	**850**	<10	<10
	3/6/2013	<50	<50	**26**	<10	**90**	<10	<10	**50**	<10	**760**	<10	<10
	6/11/2013	<50	<50	**26**	<10	**100**	<10	<10	**60**	<10	**1,100**	<10	<10
	8/29/2013	<50	<50	**28**	<10	**130**	<10	<10	**68**	<10	**1,500**	<10	<10
	11/12/2013	<50	<50	**31**	<10	**130**	<10	<10	**76**	<10	**1,300**	<10	<10
	3/27/2014	<50	<50	**25**	<10	**150**	<10	<10	**64**	<10	**1,000**	<10	<10
	5/19/2014	<50	<50	**20**	<10	**170**	<10	<10	**62**	<10	**1,100**	<10	<10
DUP-01 (MW-21)	8/29/2013	<50	<50	**28**	<10	**130**	<10	<10	**67**	<10	**1,500**	<10	<10
	3/27/2014	<50	<50	**26**	<10	**150**	<10	<10	**68**	<10	**1,100**	<10	<10
DUP-02 (MW-21)	3/23/2010	<5.0	<5.0	**33**	**2.2**	**79**	**7.8**	<1.0	**61**	<1.0	**810**	<1.0	<1.0
DUP-03 (MW-21)	2/24/2011	<50	<50	**24**	<10	**66**	<10	<10	**50**	<10	**740**	<10	<10
	5/11/2011[4]	<50	<50	**24**	<10	**66**	<10	<10	**49**	<10	**750**	<10	<10
	7/28/2011	<50	<50	**23**	<10	**78**	<10	<10	**57**	<10	**1,000**	<10	<10
	10/6/2011	<50	<50	**21**	<10	**73**	<10	<10	**52**	<10	**910**	<10	<10
	1/10/2012	<50	<50	**27**	<10	**85**	<10	<10	**66**	<10	**1,000**	<10	<10
	4/4/2012	<50	<50	**24**	<10	**81**	<10	<10	**61**	<10	**970**	<10	<10
	7/11/2012	<50	<50	**25**	<10	**80**	<10	<10	**59**	<10	**1,000**	<10	<10
	6/11/2013	<50	<50	**26**	<10	**110**	<10	<10	**76**	<10	**1,100**	<10	<10
	11/12/2013	<50	<50	**32**	<10	**120**	<10	<10	**75**	<10	**1,300**	<10	<10
	5/19/2014	<50	<50	**19**	<10	**170**	<10	<10	**64**	<10	**1,100**	<10	<10

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Table 5
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Former Tecumseh Products Company Site
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Analyte		2-Butanone[2]	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[2]	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	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	1,100[1]	740	130	620	1,500[1]	60[1]	89	330[1]	200[1]	NC	13[1]
Residential GWSLs for Vapor Intrusion		4.3E+06	44,000	4,300	370	83	360	94	17,000	96	10	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	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	4.4E+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
MW-22 (25-30') Depth to Groundwater Approx. 25 - 26'	12/7/2009	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**23**
MW-23 (17-22') Depth to Groundwater* Approx. 8 - 10'	12/8/2009	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**90**

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Residential DW Criteria		13,000	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
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GSI Criteria		2,200	1,100[1]	740	130	620	1,500[1]	60[1]	89	330[1]	200[1]	NC	13[1]
Residential GWSLs for Vapor Intrusion		4.3E+06	44,000	4,300	370	83	360	94	17,000	96	10	28,000	2.8
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Groundwater Contact Criteria		2.4E+08	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
MW-24s (18.5'-23.5') Depth to Groundwater Approx. 19 - 21'	12/8/2009	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-24d (39-44') Depth to Groundwater Approx. 19 - 21'	12/8/2009	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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 criteria

* 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) 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 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 5
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[2]	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[2]	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	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	1,100[1]	740	130	620	1,500[1]	60[1]	89	330[1]	200[1]	NC	13[1]
Residential GWSLs for Vapor Intrusion		4.3E+06	44,000	4,300	370	83	360	94	17,000	96	10	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	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	4.4E+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
MW-25s (20-25') Depth to Groundwater Approx. 18 - 20'	12/10/2009	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	**20**	<1.0	**7.6**	<1.0	<1.0
DUP-01 (MW-25s)	3/16/2010	<5.0	<5.0	**1.3**	<1.0	<1.0	<1.0	<1.0	**18**	<1.0	**1.0**	<1.0	<1.0
MW-26s (28-33') Depth to Groundwater Approx. 26 - 28'	4/6/2010	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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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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 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	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	1,100[1]	740	130	620	1,500[1]	60[1]	89	330[1]	200[1]	NC	13[1]
Residential GWSLs for Vapor Intrusion		4.3E+06	44,000	4,300	370	83	360	94	17,000	96	10	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	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	4.4E+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
MW-27s (7-12') Depth to Groundwater* Approx. 3 - 4'	3/23/2010	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.6**	<1.0	<1.0
DUP-02 (MW-27s)	9/9/2010	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-27d (37.5-42.5') Depth to Groundwater Approx. 24 - 25'	3/23/2010	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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
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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) 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 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 5
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[2]	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[2]	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	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	1,100[1]	740	130	620	1,500[1]	60[1]	89	330[1]	200[1]	NC	13[1]
Residential GWSLs for Vapor Intrusion		4.3E+06	44,000	4,300	370	83	360	94	17,000	96	10	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	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	4.4E+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
MW-28s (25-30') Depth to Groundwater Approx. 25 - 27'	3/23/2010	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-28d (49-54') Depth to Groundwater Approx. 25 - 27'	3/23/2010	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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) Criterion is not protective for surface water used as a drinking water source as described in footnote {X} of MDEQ Op Memo 1 Part 201, Attachment 1.
2) Compound may exhibit characteristic ignitability as defined in 40 C.F.R. § 261.21.
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Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[2]	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[2]	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	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	1,100[1]	740	130	620	1,500[1]	60[1]	89	330[1]	200[1]	NC	13[1]
Residential GWSLs for Vapor Intrusion		4.3E+06	44,000	4,300	370	83	360	94	17,000	96	10	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	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	4.4E+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
MW-29s (13-18') Depth to Groundwater Approx. 15 - 16'	3/18/2010	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-29d (58.5-63.5') Depth to Groundwater* Approx. 18 - 19'	3/18/2010	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	1,100[1]	740	130	620	1,500[1]	60[1]	89	330[1]	200[1]	NC	13[1]
Residential GWSLs for Vapor Intrusion		4.3E+06	44,000	4,300	370	83	360	94	17,000	96	10	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	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	4.4E+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
MW-30s (11-16') Depth to Groundwater* Approx. 9 - 11'	3/23/2010	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-30d (25.5-30.5') Depth to Groundwater* Approx. 9 - 11'	3/23/2010	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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 criteria
* 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) 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 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 5
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[2]	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[2]	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	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	1,100[1]	740	130	620	1,500[1]	60[1]	89	330[1]	200[1]	NC	13[1]
Residential GWSLs for Vapor Intrusion		4.3E+06	44,000	4,300	370	83	360	94	17,000	96	10	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	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	4.4E+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
MW-31 (33.3-38.3') Depth to Groundwater Approx. 32 - 33'	6/18/2010	<5.0	<5.0	**14**	<1.0	**19**	**2.2**	<1.0	**20**	<1.0	**180**	<1.0	<1.0
	9/17/2010	<10	<10	<2.0	<2.0	**15**	<2.0	<2.0	**48**	<2.0	**220**	<2.0	**2.5**
	12/22/2010[5]	<10	<10	**16**	<2.0	**29**	**2.9**	<2.0	**27**	<2.0	**260**	<2.0	<2.0
	2/24/2011	<10	<10	**16**	<2.0	**31**	**3.1**	<2.0	**26**	<2.0	**300**	<2.0	<2.0
	5/11/2011[4]	<10	<10	**15**	<2.0	**24**	**3.0**	<2.0	**22**	<2.0	**250**	<2.0	<2.0
	7/21/2011	<5.0	<5.0	**7.4**	<1.0	**14**	**1.2**	<1.0	**11**	<1.0	**130**	<1.0	<1.0
	10/4/2011	<5.0	<5.0	**18**	<1.0	**40**	**3.4**	<1.0	**28**	<1.0	**340**	<1.0	<1.0
	1/10/2012	<10	<10	**17**	<2.0	**35**	**3.1**	<2.0	**24**	<2.0	**290**	<2.0	<2.0
	4/5/2012	<10	<10	**16**	<2.0	**36**	**3.1**	<2.0	**24**	<2.0	**290**	<2.0	<2.0
	7/17/2012	<20	<20	**16**	<4.0	**34**	<4.0	<4.0	**23**	<4.0	**310**	<4.0	<4.0
	10/3/2012	**16**	<12	**15**	<2.5	**40**	**3.4**	<2.5	**26**	<2.5	**340**	<2.5	<2.5
	3/6/2013	<12	<12	**13**	<2.5	**32**	**2.9**	<2.5	**23**	<2.5	**270**	<2.5	<2.5
	5/29/2013	<12	<12	**15**	<2.5	**39**	**2.9**	<2.5	**23**	<2.5	**300**	<2.5	<2.5
	8/29/2013	<12	<12	**16**	<2.5	**47**	**2.6**	<2.5	**24**	<2.5	**320**	<2.5	<2.5
	3/28/2014	<12	<12	**16**	<2.5	**34**	<2.5	<2.5	**27**	<2.5	**300**	<2.5	<2.5
	5/22/2014	<12	<12	**16**	<2.5	**34**	<2.5	<2.5	**24**	<2.5	**280**	<2.5	<2.5
DUP-01 (MW-31)	6/18/2010	<5.0	<5.0	**12**	<1.0	**19**	**2.3**	<1.0	**21**	<1.0	**170**	<1.0	<1.0
MW-32s (23-28') Depth to Groundwater Approx. 23 - 25'	9/17/2010	<100	<100	**150**	<20	**270**	**26**	<20	**220**	<20	**2,400**	<20	<20
	11/18/2010	<100	<100	<20	<20	**190**	<20	<20	**560**	<20	**2,800**	<20	<20
	12/28/2010	<100	<100	<20	<20	**200**	<20	<20	**510**	<20	**2,300**	<20	<20
	2/25/2011	<100	<100	<20	<20	**190**	<20	<20	**420**	<20	**2,300**	<20	<20
	5/10/2011[4]	<100	<100	<20	<20	**170**	<20	<20	**380**	<20	**2,300**	<20	**31**
	7/28/2011	<100	<100	<20	<20	**140**	<20	<20	**380**	<20	**2,400**	<20	<20
	10/6/2011	<100	<100	<20	<20	**160**	<20	<20	**350**	<20	**2,200**	<20	<20
	1/10/2012	<100	<100	<20	<20	**170**	<20	<20	**400**	<20	**2,300**	<20	<20
	4/4/2012	<100	<100	<20	<20	**130**	<20	<20	**340**	<20	**2,200**	<20	<20
	7/11/2012	<100	<100	<20	<20	**85**	<20	<20	**370**	<20	**2,200**	<20	<20
	10/10/2012	<100	<100	<20	<20	**89**	<20	<20	**280**	<20	**1,600**	<20	<20
	5/20/2013	<100	<100	<20	<20	**89**	<20	<20	**220**	<20	**1,400**	<20	<20
	11/5/2013	<50	<50	<10	<10	**71**	<10	<10	**190**	<10	**1,200**	<10	<10
	5/19/2014	<5.0	<5.0	<1.0	<1.0	**7.7**	<1.0	<1.0	**20**	<1.0	**130**	<1.0	<1.0
MW-32d (35-40') Depth to Groundwater Approx. 23 - 24'	5/20/2013	<5.0	<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	<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	<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	<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	<5.0	<1.0	<1.0	**1.8**	**3.0**	<1.0	<1.0	<1.0	**49**	<1.0	<1.0
DUP-01 (MW-32d)	11/5/2013	<5.0	<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	<5.0	<1.0	<1.0	**2.1**	**3.0**	<1.0	<1.0	<1.0	**51**	<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 criteria
* 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) 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 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 5
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[2]	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[2]	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	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	1,100[1]	740	130	620	1,500[1]	60[1]	89	330[1]	200[1]	NC	13[1]
Residential GWSLs for Vapor Intrusion		4.3E+06	44,000	4,300	370	83	360	94	17,000	96	10	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	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	4.4E+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
MW-33s (21-26') Depth to Groundwater Approx. 20 - 22'	9/17/2010	<5.0	<5.0	**12**	<1.0	**13**	<1.0	<1.0	<1.0	<1.0	**76**	<1.0	**64**
	11/18/2010	<5.0	<5.0	**14**	<1.0	**22**	<1.0	<1.0	**1.1**	<1.0	**150**	<1.0	**56**
	12/22/2010	<5.0	<5.0	**14**	<1.0	**22**	**1.2**	<1.0	**1.0**	<1.0	**130**	<1.0	**57**
	2/24/2011	<5.0	<5.0	**12**	<1.0	**20**	**1.0**	<1.0	<1.0	<1.0	**110**	<1.0	**60**
	5/10/2011[4]	<10	<10	**11**	<2.0	**21**	<2.0	<2.0	<2.0	<2.0	**220**	<2.0	**55**
	7/28/2011	<10	<10	**8.9**	<2.0	**18**	<2.0	<2.0	<2.0	<2.0	**260**	<2.0	**22**
	10/6/2011	<10	<10	**11**	<2.0	**19**	<2.0	<2.0	<2.0	<2.0	**220**	<2.0	**48**
	1/9/2012[6]	<5.0	**8.9**	**15**	<1.0	**20**	**1.0**	<1.0	**1.3**	<1.0	**170**	<1.0	**51**
	4/4/2012	<5.0	**5.6**	**17**	<1.0	**21**	<1.0	<1.0	**1.2**	<1.0	**170**	<1.0	**48**
	7/11/2012	<5.0	**13**	**25**	<1.0	**32**	**1.3**	<1.0	<1.0	<1.0	**130**	<1.0	**52**
	10/10/2012	<5.0	**12**	**23**	<1.0	**31**	**1.2**	<1.0	<1.0	<1.0	**120**	<1.0	**57**
	5/20/2013	<5.0	**9.4**	**16**	<1.0	**23**	<1.0	<1.0	<1.0	<1.0	**98**	<1.0	**100**
	11/5/2013	<5.0	**7.7**	**16**	<1.0	**28**	<1.0	<1.0	<1.0	<1.0	**77**	<1.0	**58**
	5/19/2014	<5.0	**7.4**	**12**	<1.0	**21**	<1.0	<1.0	<1.0	<1.0	**70**	<1.0	**63**
DUP-01 (MW-33s)	11/18/2010	<5.0	<5.0	**14**	<1.0	**23**	<1.0	<1.0	**1.2**	<1.0	**150**	<1.0	**55**
MW-34s (23-28') Depth to Groundwater Approx. 23 - 25'	9/17/2010	<100	<100	<20	<20	<20	<20	<20	**1,600**	<20	**1,100**	<20	<20
	11/18/2010	<100	<100	<20	<20	<20	<20	<20	**1,600**	<20	**1,200**	<20	<20
	12/28/2010	<50	<50	<10	**13**	<10	<10	<10	**1,400**	<10	**1,000**	<10	<10
	2/25/2011	<50	<50	<10	<10	<10	<10	<10	**1,100**	<10	**900**	<10	<10
	5/10/2011[4]	<50	<50	<10	<10	<10	<10	<10	**1,200**	<10	**970**	<10	<10
	7/28/2011	<50	<50	<10	<10	<10	<10	<10	**1,300**	<10	**1,100**	<10	<10
	10/6/2011	<50	<50	<10	<10	<10	<10	<10	**1,200**	<10	**1,000**	<10	<10
	1/10/2012	<50	<50	<10	**14**	<10	<10	<10	**1,500**	<10	**1,100**	<10	<10
	4/4/2012	<50	<50	<10	<10	<10	<10	<10	**1,400**	<10	**1,200**	<10	<10
	7/11/2012	<50	<50	<10	<10	<10	<10	<10	**1,400**	<10	**1,100**	<10	<10
	10/10/2012	<50	<50	<10	<10	<10	<10	<10	**1,400**	<10	**1,100**	<10	<10
	5/20/2013	<50	<50	<10	<10	<10	<10	<10	**720**	<10	**730**	<10	<10
	11/12/2013	<25	<25	<5.0	<5.0	<5.0	<5.0	<5.0	**490**	<5.0	**450**	<5.0	<5.0
	5/19/2014	<25	<25	<5.0	**5.6**	<5.0	<5.0	<5.0	**690**	<5.0	**730**	<5.0	<5.0
DUP-01 (MW-34s)	5/20/2013	<50	<50	<10	<10	<10	<10	<10	**730**	<10	**730**	<10	<10
MW-34d (45-50') Depth to Groundwater Approx. 23 - 24'	5/20/2013	<5.0	<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	<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	<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	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.1**	<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 criteria
* 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) 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 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 5
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[2]	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[2]	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	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	1,100[1]	740	130	620	1,500[1]	60[1]	89	330[1]	200[1]	NC	13[1]
Residential GWSLs for Vapor Intrusion		4.3E+06	44,000	4,300	370	83	360	94	17,000	96	10	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	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	4.4E+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
MW-35i (20.5-22.5') Depth to Groundwater Approx. 16 - 17'	10/29/2012	<250	<250	<50	**94**	<50	<50	<50	**4,500**	<50	**3,000**	<50	<50
	3/27/2013	<250	<250	<50	**110**	<50	<50	<50	**4,500**	<50	**2,700**	<50	<50
	6/5/2013	<250	<250	<50	**160**	<50	<50	<50	**6,400**	<50	**4,300**	<50	<50
	8/29/2013	<250	<250	<50	**160**	<50	<50	<50	**6,600**	<50	**4,900**	<50	<50
	11/12/2013	<250	<250	<50	**190**	<50	<50	<50	**7,400**	<50	**5,100**	<50	<50
	3/28/2014	<250	<250	<50	**170**	<50	<50	<50	**6,300**	<50	**4,600**	<50	<50
	5/21/2014	<250	<250	<50	**140**	**50**	<50	<50	**5,300**	<50	**4,400**	<50	<50
MW-35d (42.5-44.5') Depth to Groundwater Approx. 15 - 16'	7/24/2012	<5.0	<5.0	<1.0	<1.0	**180**	**53**	<1.0	**1.5**	<1.0	**20**	<1.0	**22**
	10/25/2012	<5.0	<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	<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	<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	<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	<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	<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	<5.0	<1.0	<1.0	**22**	**3.0**	<1.0	<1.0	<1.0	**1.3**	<1.0	**30**
MW-36s (16.5-21.5') Depth to Groundwater Approx. 16 - 17'	4/3/2013	<12	**19**	**15**	**2.7**	**140**	**18**	<2.5	**35**	**2.9**	**260**	<2.5	**12**
	5/31/2013	<12	**20**	**14**	**2.6**	**150**	**18**	<2.5	**29**	<2.5	**280**	<2.5	**11**
	8/29/2013	<12	**15**	**16**	**2.9**	**160**	**20**	<2.5	**30**	<2.5	**370**	<2.5	**11**
	11/8/2013	<12	**21**	**20**	**3.0**	**200**	**22**	<2.5	**32**	<2.5	**440**	<2.5	**20**
	3/27/2014	<25	<25	**15**	<5.0	**130**	**15**	<5.0	**21**	<5.0	**430**	<5.0	**15**
	5/15/2014	<25	<25	**15**	<5.0	**120**	**16**	<5.0	**22**	<5.0	**370**	<5.0	**16**
MW-36d (31-36') Depth to Groundwater Approx. 16 - 17'	4/2/2013	<5.0	<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	<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	<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	<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	<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	<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	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**570**	<5.0	<5.0
	6/3/2013	<25	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**580**	<5.0	<5.0
	8/29/2013	<25	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**580**	<5.0	<5.0
	11/11/2013	<25	<25	<5.0	<5.0	<5.0	<5.0	<5.0	**5.6**	<5.0	**640**	<5.0	<5.0
	3/27/2014	<25	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**550**	<5.0	<5.0
	5/16/2014	<25	<25	<5.0	<5.0	<5.0	<5.0	<5.0	**5.6**	<5.0	**610**	<5.0	<5.0

Notes:
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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 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 5
Summary of Detected Volatile Organic Compounds at Compliance Monitoring Well Locations
Former Tecumseh Products Company Site
Tecumseh, Michigan

Analyte		2-Butanone[2]	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[2]	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	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	1,100[1]	740	130	620	1,500[1]	60[1]	89	330[1]	200[1]	NC	13[1]
Residential GWSLs for Vapor Intrusion		4.3E+06	44,000	4,300	370	83	360	94	17,000	96	10	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	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	4.4E+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
MW-38s (9-14') Depth to Groundwater Approx. 9 - 10'	4/3/2013	<10	<10	**13**	<2.0	**22**	**2.7**	<2.0	**18**	<2.0	**210**	<2.0	**16**
	6/3/2013	<10	<10	**15**	<2.0	**30**	**2.6**	<2.0	**18**	<2.0	**230**	<2.0	**16**
	8/29/2013	<12	<12	**20**	<2.5	**42**	**3.4**	<2.5	**22**	<2.5	**280**	<2.5	**17**
	11/11/2013	<10	<10	**21**	<2.0	**35**	**3.0**	<2.0	**28**	<2.0	**290**	<2.0	**19**
	5/16/2014	<5.0	<5.0	**7.5**	<1.0	**12**	**1.1**	<1.0	**13**	<1.0	**140**	<1.0	**6.7**
MW-38d (29-34') Depth to Groundwater Approx. 30 - 32'	4/3/2013	<5.0	<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	<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	<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	<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	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-39s (15.5-20.5') Depth to Groundwater Approx. 15 - 16'	4/3/2013	<50	<50	**86**	**17**	**56**	<10	<10	**86**	<10	**810**	<10	<10
	6/3/2013	<50	<50	**90**	**18**	**71**	<10	<10	**84**	<10	**870**	<10	<10
	8/29/2013	<25	<25	**42**	**9.5**	**36**	<5.0	<5.0	**39**	<5.0	**460**	<5.0	<5.0
	11/11/2013	<50	<50	**97**	**24**	**67**	<10	<10	**99**	<10	**840**	<10	<10
	3/28/2014	<25	<25	**79**	**18**	**64**	**7.2**	<5.0	**96**	<5.0	**790**	<5.0	<5.0
	5/16/2014	<25	<25	**79**	**21**	**50**	**5.6**	<5.0	**120**	<5.0	**960**	<5.0	<5.0
MW-39d (34-39') Depth to Groundwater Approx. 15 - 16'	4/2/2013	<5.0	<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	<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	<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	<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	<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	<5.0	<1.0	<1.0	**3.3**	**2.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-40s (20-25') Depth to Groundwater Approx. 22 - 23'	4/3/2013	<5.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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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Denotes concentrations above one or more criteria
* 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) 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 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 5
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Tecumseh, Michigan

Analyte		2-Butanone[2]	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene[2]	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	430	880	7.0	70	100	5.0	200	5.0	5.0	2,600	2.0
Non-Residential DW Criteria		38,000	1,700	2,500	7.0	70	100	5.0	200	5.0	5.0	7,300	2.0
GSI Criteria		2,200	1,100[1]	740	130	620	1,500[1]	60[1]	89	330[1]	200[1]	NC	13[1]
Residential GWSLs for Vapor Intrusion		4.3E+06	44,000	4,300	370	83	360	94	17,000	96	10	28,000	2.8
Non-Residential GWSLs for Vapor Intrusion		1.8E+07	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	4.4E+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
NS-18s (20-25') Depth to Groundwater Approx. 20 - 22'	7/25/2012	<50	<50	**19**	<10	**58**	<10	<10	**11**	<10	**900**	<10	<10
	5/20/2014	<50	<50	**20**	<10	**120**	**11**	<10	**17**	<10	**790**	<10	<10
NS-18i (30-35') Depth to Groundwater Approx. 20 - 22'	7/25/2012	<120	<120	<25	<25	**600**	**140**	<25	<25	<25	**2,600**	<25	**26**
	3/27/2014	<120	<120	<25	<25	**630**	**140**	<25	<25	<25	**2,000**	<25	**44**
	5/19/2014	<100	<100	<20	<20	**560**	**110**	<20	<20	<20	**1,700**	<20	**37**
NS-18d (39.1-44.1') Depth to Groundwater Approx. 20 - 22'	7/25/2012	<10	<10	<2.0	<2.0	**200**	**30**	<2.0	<2.0	<2.0	**33**	<2.0	<2.0
	5/20/2014	<10	<10	<2.0	<2.0	**180**	**30**	<2.0	<2.0	<2.0	**20**	<2.0	**4.1**
NS-19s (24-29') Depth to Groundwater Approx. 23 - 25'	7/27/2012	<50	<50	<10	<10	**69**	<10	<10	**30**	<10	**900**	<10	**53**
	5/20/2014	<10	<10	**7.9**	**4.6**	**160**	**2.8**	<2.0	**4.9**	<2.0	**150**	<2.0	**140**
NS-19i (34-39') Depth to Groundwater Approx. 23 - 25'	7/27/2012	<25	<25	<5.0	<5.0	**91**	**26**	<5.0	<5.0	<5.0	**630**	<5.0	<5.0
	5/20/2014	<25	<25	<5.0	<5.0	**80**	**22**	<5.0	<5.0	<5.0	**490**	<5.0	<5.0
NS-19d (43.5-48.5') Depth to Groundwater Approx. 23 - 25'	7/27/2012	<5.0	<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	<5.0	<1.0	<1.0	**1.3**	**2.4**	<1.0	<1.0	<1.0	**23**	<1.0	<1.0
NS-20s (23-28') Depth to Groundwater Approx. 23 - 25'	7/31/2012	<120	<120	<25	<25	**120**	<25	<25	**830**	<25	**2,600**	<25	<25
	5/20/2014	<100	<100	<20	<20	**160**	<20	<20	**500**	<20	**1,900**	<20	**36**
NS-20i (29-34') Depth to Groundwater Approx. 23 - 25'	7/31/2012	<5.0	<5.0	**22**	**2.3**	**17**	**1.5**	<1.0	<1.0	<1.0	**18**	<1.0	**130**
	5/20/2014	<5.0	<5.0	**12**	**1.6**	**12**	**1.3**	<1.0	<1.0	<1.0	**10**	<1.0	**42**
SS-09s (23-28') Depth to Groundwater Approx. 23 - 25'	8/2/2012	<50	<50	<10	<10	<10	<10	**11**	**790**	<10	**560**	<10	<10
	5/20/2014	<25	<25	<5.0	<5.0	<5.0	<5.0	**13**	**370**	<5.0	**330**	<5.0	<5.0
DUP-04 (SS-09s)	5/20/2014	<25	<25	<5.0	<5.0	<5.0	<5.0	**13**	**380**	<5.0	**330**	<5.0	<5.0
SS-09i (34-39') Depth to Groundwater Approx. 23 - 25'	8/2/2012	<50	<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	<5.0	**7.1**	<1.0	**32**	**5.3**	<1.0	**2.2**	<1.0	<1.0	<1.0	<1.0
SS-10s (22.5-27.5') Depth to Groundwater Approx. '	8/2/2012	<50	<50	<10	<10	<10	<10	<10	**160**	<10	**770**	<10	<10
	5/21/2014	<25	<25	<5.0	<5.0	<5.0	<5.0	<5.0	**80**	<5.0	**570**	<5.0	<5.0
SS-10i (33-38') Depth to Groundwater Approx. 23 - 25'	8/2/2012	<5.0	<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	<5.0	**7.2**	<1.0	**25**	**1.9**	<1.0	<1.0	<1.0	**54**	<1.0	<1.0
SS-10d (50-55') Depth to Groundwater Approx. 23 - 25'	8/3/2012	<5.0	<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	<5.0	<1.0	<1.0	**17**	<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 criteria
* 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) 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 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 6
Summary of Chlorinated Volatile Organic Compounds 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
GSI Criteria		740	360[2]	130	620	1,500[2]	60[2]	89	200[2]	13[2]
Human Non-Cancer Value (Non-Drink)		400,000	420,000	33,000	36,000	19,000	1,800	1,300,000	550	4,400
Human Cancer Value (Non-Drink)		NC	360	NC	NC	NC	60	NC	370	13
Final Chronic Value		740	2,000	130	620	1,500	190	89	200	930
Aquatic Maximum Value		6,600	8,200	1,200	5,500	14,000	1,400	800	1,800	8,400
Final Acute Value		13,000	16,000	2,300	11,000	28,000	2,900	1,600	3,500	17,000
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
SEEP	4/3/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/10/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/4/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/12/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/12/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/0/1900	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
WL-01	4/6/2010	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/18/2010	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/8/2010	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	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
	1/5/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/2/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/3/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/3/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/29/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/28/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/22/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

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
-- = 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.

Figures

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
- GP-2 ATC PHASE II ESA BORING LOCATION AND NUMBER
- SV-10 × SUB-SLAB SOIL GAS SAMPLE NUMBER AND LOCATION
- IA-16 ▲ INDOOR AIR SAMPLE NUMBER AND LOCATION
- FLOODPLAIN / WOODED WETLAND AREA
- 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. GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S TOPOGRAPHIC QUADRANGLE MAP AND GROUND SURVEY DATA.

INSET MAP

B-62, B-58, B-67, B-66, B-64, B-63, B-61, B-52, B-59, B-65, B-60

APPROXIMATE SCALE IN FEET
0 20' 40'

APPROXIMATE SCALE IN FEET
0 250' 500' 750' 1000'

NO.	BY	DATE	REVISION	APP'D
3				
2				
1	DGS	02/19/13	REVISED INVESTIGATION LOCATIONS	SEM

PROJ.

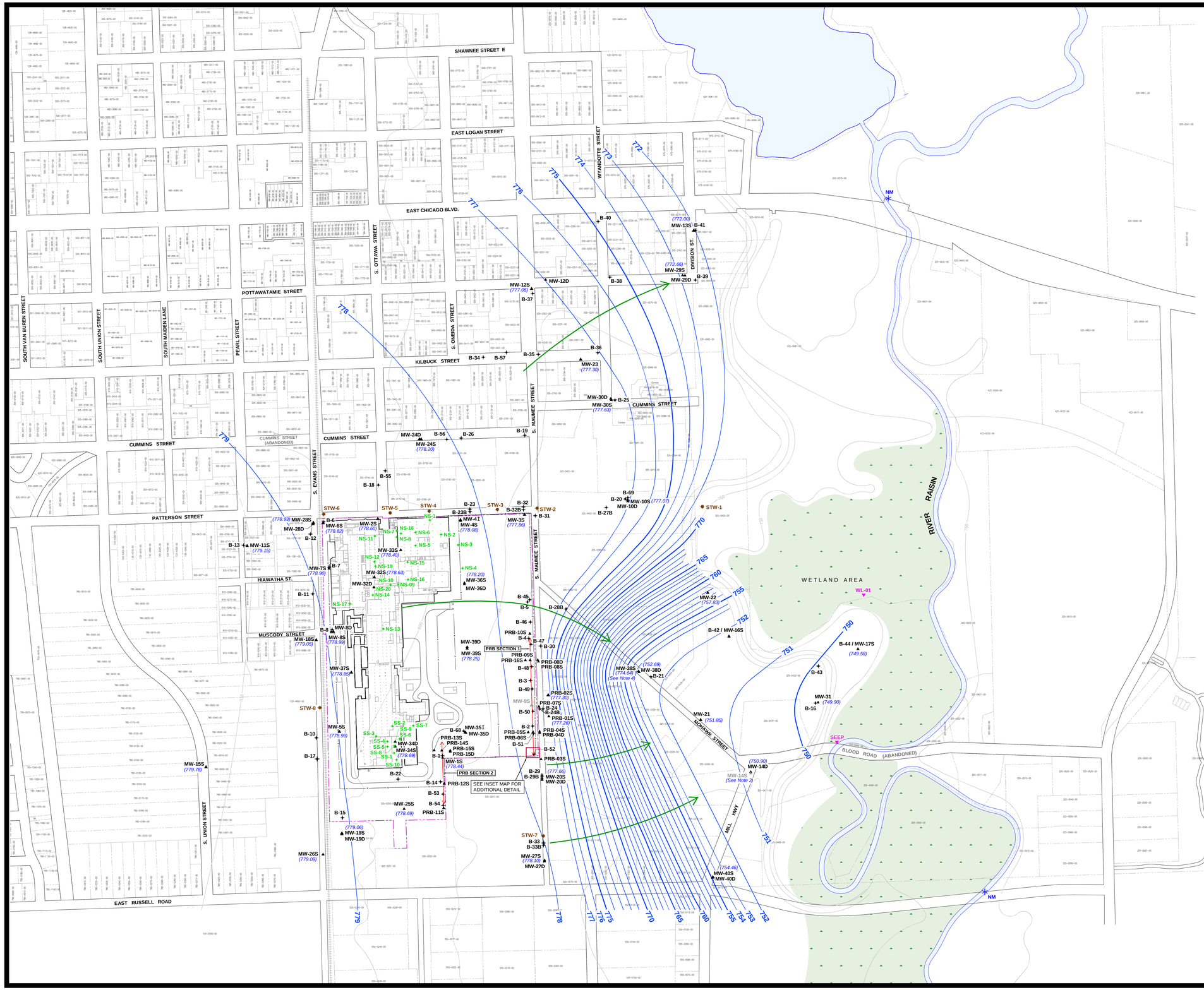
FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN

TITLE:

SITE LAYOUT AND SAMPLE LOCATIONS

DRAWN BY:	DGS	SCALE:	PROJ.NO. 004304.0001.02
CHECKED BY:	SEM	AS INDICATED	FILE NO. 004304.0001.02.01.dwg
APPROVED BY:	GC	DATE PRINTED:	
DATE:	JANUARY 2014		**FIGURE 1**

TRC
1540 Eisenhower Place
Ann Arbor, MI 48108
Phone: 734.971.7080
Fax: 734.971.9022

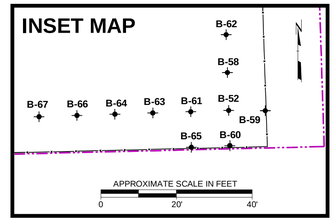


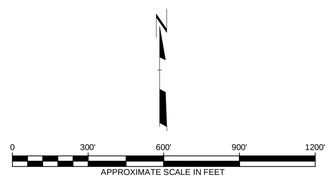
LEGEND

- 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
- 742.20 — SURFACE WATER ELEVATION REFERENCE POINT
- STW-2 ✸ — STORM WATER SEWER SAMPLE LOCATION AND NUMBER
- WL-01 ▼ — APPROXIMATE SURFACE WATER SAMPLE LOCATION
- FLOODPLAIN / WOODED WETLAND AREA
- PRB LOCATION
- FENCE LINE
- 770 — 5 FOOT GROUNDWATER CONTOUR LINE
- 771 — 1 FOOT GROUNDWATER CONTOUR LINE
- GROUNDWATER FLOW DIRECTION
- (780.26) — GROUNDWATER / SURFACE WATER ELEVATION
- (NM) — NOT MEASURED

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. THE GROUNDWATER ELEVATION MEASURED AT MW-14D WAS USED TO DEVELOP GROUNDWATER CONTOURS, BECAUSE MW-14D IS SCREENED IN THE DEEPER WATER BEARING UNIT WHICH IS HYDRAULICALLY CONNECTED TO THE SITE. MW-14S WAS SCREENED IN A DIFFERENT, PERCHED, WATER BEARING UNIT THAN THE OTHER SHALLOW MONITORING WELLS ON-SITE AND HAS SINCE BEEN ABANDONED.
4. DUE TO THE PRESENCE OF AN INTERMEDIATE CLAY LAYER UNDERLAIN BY A HIGHLY PERMEABLE SAND AND GRAVEL UNIT, THE AQUIFER IS BIFURCATED AT MONITORING WELL MW-38S/D. BOTH THE SHALLOW AND THE DEEP WELLS ARE HYDRAULICALLY CONNECTED TO THE SITE. THE WATER LEVEL IN THE DEEPER WELL, WHICH IS SCREENED IN THE HIGHER PERMEABILITY UNIT, WAS USED TO ILLUSTRATE GROUNDWATER CONTOURS AND HORIZONTAL GRADIENT ACROSS THIS AREA.





NO.	BY	DATE	REVISION	APP'D
3				
2				
1				

PROJ.

FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN

TITLE:

GROUNDWATER CONTOUR MAP
MAY 2014

DRAWN BY:	DGS	SCALE:	AS INDICATED
CHECKED BY:	SEM		
APPROVED BY:	-	DATE PRINTED:	
DATE:	JULY 2014		

PROJ. NO. 004304.0001.02
FILE NO. 004304.0001.02.02.dwg

FIGURE 2

TRC
1540 Eisenhower Place
Ann Arbor, MI 48108
Phone: 734.971.7080
Fax: 734.971.9022

PLOT DATA
Drawing Name: I:\TRC\Tecumseh Products\Tecumseh MI\004304\0001\02\2014 2Q RPT\004304.0001.02.02.dwg
Operator Name: STEHLE, DIANAH
Drawing Plot Scale: 0.000000
Attached Xrefs: bm100110 (Filled)
Attached Images: 2Q 2014 Menloc, GW Contours 2013 Oct, Tecumseh N; Layers: FIGS2 GW Cont May 2014 A3
Dwg Size: 1.6A Mb
Plot Date: June 25, 2014
Plot Time: 12:47 PM

Attachment 1
Analytical Data

April 16, 2014

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 TriMatrix Laboratories:

Work Order	Received	Description
1403404	03/28/2014	Laboratory Services
1404016	04/01/2014	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:

ACLASS DoD-ELAP/ISO17025 (#ADE-1542); Arkansas DEP (#88-0730/13-049-0); Florida DEP (#E87622-24); Georgia EPD (#E87622-24); Illinois DEP (#200026/003329); Kansas DPH (#E-10302); Kentucky DEP (#0021); Louisiana DEP (#103068); Michigan DPH (#0034); Minnesota DPH (#491715); New York ELAP (#11776/48855); North Carolina DNRE (#659); Texas CEQ (#T104704495-14-4); Virginia DCLS (#460153/2592); Wisconsin DNR (#999472650); USDA Soil Import Permit (#P330-12-00236).

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 Chemist

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

PROJECT TECHNICAL NARRATIVE(s)

No Project Narrative is associated with this report.

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

STATEMENT OF DATA QUALIFICATIONS

Volatile Organic Compounds by EPA Method 8260B

Qualification: The corresponding CCV for this analytical batch had a recovery exceeding the upper control limit of the method. A positive result for this analyte in any associated samples are considered estimated. Non-detectable results are not qualified.

Analysis: USEPA-8260B

Sample/Analyte:		
1403404-01	Trip Blank	trans-1,4-Dichloro-2-butene
1403404-02	MW-36d	trans-1,4-Dichloro-2-butene
1403404-03	MW-39d	trans-1,4-Dichloro-2-butene
1403404-04	MW-35d	trans-1,4-Dichloro-2-butene
1403404-05	MW-8d	trans-1,4-Dichloro-2-butene
1403404-06	MW-34d	trans-1,4-Dichloro-2-butene
1403404-07	MW-40s	trans-1,4-Dichloro-2-butene
1403404-08	MW-40d	trans-1,4-Dichloro-2-butene
1403404-09	MW-38d	trans-1,4-Dichloro-2-butene
1403404-10	MW-36s	trans-1,4-Dichloro-2-butene
1403404-13	MW-4i	trans-1,4-Dichloro-2-butene
1403404-14	MW-37s	trans-1,4-Dichloro-2-butene
1403404-15	MW-32d	trans-1,4-Dichloro-2-butene

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

TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**Trip Blank**	Sampled:	3/27/14 0:00		
Lab Sample ID:	**1403404-01**	Sampled By:	TML		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 8:50	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

Volatile Organic Compounds by EPA Method 8260B

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

Continued on next page

*See Statement of Data Qualifications

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

TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**Trip Blank**	Sampled:	3/27/14 0:00		
Lab Sample ID:	**1403404-01**	Sampled By:	TML		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 8:50	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**Trip Blank**	Sampled:	3/27/14 0:00		
Lab Sample ID:	**1403404-01**	Sampled By:	TML		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 8:50	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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	*93*	*85-118*
1,2-Dichloroethane-d4	*98*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*97*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-36d**	Sampled:	3/26/14 8:55		
Lab Sample ID:	**1403404-02**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 9:45	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-36d**	Sampled:	3/26/14 8:55		
Lab Sample ID:	**1403404-02**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 9:45	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-36d**	Sampled:	3/26/14 8:55		
Lab Sample ID:	**1403404-02**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 9:45	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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	*92*	*85-118*
1,2-Dichloroethane-d4	*96*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*97*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-39d**	Sampled:	3/26/14 10:20		
Lab Sample ID:	**1403404-03**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 10:12	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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	**2.3**	1.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-39d**	Sampled:	3/26/14 10:20		
Lab Sample ID:	**1403404-03**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 10:12	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-39d**	Sampled:	3/26/14 10:20		
Lab Sample ID:	**1403404-03**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 10:12	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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	*94*	*85-118*
1,2-Dichloroethane-d4	*96*	*87-122*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*99*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-35d**	Sampled:	3/26/14 11:05		
Lab Sample ID:	**1403404-04**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 11:07	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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	**24**	1.0
156-60-5	trans-1,2-Dichloroethene	**3.2**	1.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-35d**	Sampled:	3/26/14 11:05		
Lab Sample ID:	**1403404-04**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 11:07	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-35d**	Sampled:	3/26/14 11:05		
Lab Sample ID:	**1403404-04**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 11:07	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**33**	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	*94*	*85-118*
1,2-Dichloroethane-d4	*94*	*87-122*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*97*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-8d**	Sampled:	3/26/14 12:08		
Lab Sample ID:	**1403404-05**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 11:34	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-8d**	Sampled:	3/26/14 12:08		
Lab Sample ID:	**1403404-05**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 11:34	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-8d**	Sampled:	3/26/14 12:08		
Lab Sample ID:	**1403404-05**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 11:34	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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	*93*	*85-118*
1,2-Dichloroethane-d4	*95*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*98*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-34d**	Sampled:	3/26/14 13:05		
Lab Sample ID:	**1403404-06**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 12:01	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-34d**	Sampled:	3/26/14 13:05		
Lab Sample ID:	**1403404-06**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 12:01	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-34d**	Sampled:	3/26/14 13:05		
Lab Sample ID:	**1403404-06**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 12:01	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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	*94*	*85-118*
1,2-Dichloroethane-d4	*97*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*97*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-40s**	Sampled:	3/26/14 15:00		
Lab Sample ID:	**1403404-07**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 12:29	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-40s**	Sampled:	3/26/14 15:00		
Lab Sample ID:	**1403404-07**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 12:29	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-40s**	Sampled:	3/26/14 15:00		
Lab Sample ID:	**1403404-07**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 12:29	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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	*93*	*85-118*
1,2-Dichloroethane-d4	*96*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*99*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-40d**	Sampled:	3/26/14 16:44		
Lab Sample ID:	**1403404-08**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 12:56	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-40d**	Sampled:	3/26/14 16:44		
Lab Sample ID:	**1403404-08**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 12:56	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-40d**	Sampled:	3/26/14 16:44		
Lab Sample ID:	**1403404-08**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 12:56	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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	*93*	*85-118*
1,2-Dichloroethane-d4	*95*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*98*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-38d**	Sampled:	3/27/14 7:45		
Lab Sample ID:	**1403404-09**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 13:23	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-38d**	Sampled:	3/27/14 7:45		
Lab Sample ID:	**1403404-09**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 13:23	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-38d**	Sampled:	3/27/14 7:45		
Lab Sample ID:	**1403404-09**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 13:23	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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	*94*	*85-118*
1,2-Dichloroethane-d4	*97*	*87-122*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*97*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-36s**	Sampled:	3/27/14 8:45		
Lab Sample ID:	**1403404-10**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	5	Analyzed:	4/3/14 10:39	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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	**15**	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	**130**	5.0
156-60-5	trans-1,2-Dichloroethene	**15**	5.0

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-36s**	Sampled:	3/27/14 8:45		
Lab Sample ID:	**1403404-10**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	5	Analyzed:	4/3/14 10:39	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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	**21**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-36s**	Sampled:	3/27/14 8:45		
Lab Sample ID:	**1403404-10**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	5	Analyzed:	4/3/14 10:39	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**15**	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	*95*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*97*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-21**	Sampled:	3/27/14 9:50		
Lab Sample ID:	**1403404-11**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/8/14 8:00	By:	BAG
Dilution Factor:	10	Analyzed:	4/8/14 17:03	By:	BAG
QC Batch:	1403058	Analytical Batch:	4D09023		

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	**25**	10
107-06-2	1,2-Dichloroethane	<10	10
75-35-4	1,1-Dichloroethene	<10	10
156-59-2	cis-1,2-Dichloroethene	**150**	10
156-60-5	trans-1,2-Dichloroethene	<10	10

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-21**	Sampled:	3/27/14 9:50		
Lab Sample ID:	**1403404-11**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/8/14 8:00	By:	BAG
Dilution Factor:	10	Analyzed:	4/8/14 17:03	By:	BAG
QC Batch:	1403058	Analytical Batch:	4D09023		

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	**64**	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:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-21**	Sampled:	3/27/14 9:50		
Lab Sample ID:	**1403404-11**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/8/14 8:00	By:	BAG
Dilution Factor:	10	Analyzed:	4/8/14 17:03	By:	BAG
QC Batch:	1403058	Analytical Batch:	4D09023		

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	*103*	*85-118*
1,2-Dichloroethane-d4	*104*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*106*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**DUP-01**	Sampled:	3/27/14 0:00		
Lab Sample ID:	**1403404-12**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/10/14 9:00	By:	BAG
Dilution Factor:	10	Analyzed:	4/10/14 11:43	By:	BAG
QC Batch:	1403153	Analytical Batch:	4D11009		

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	**26**	10
107-06-2	1,2-Dichloroethane	<10	10
75-35-4	1,1-Dichloroethene	<10	10
156-59-2	cis-1,2-Dichloroethene	**150**	10
156-60-5	trans-1,2-Dichloroethene	<10	10

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**DUP-01**	Sampled:	3/27/14 0:00		
Lab Sample ID:	**1403404-12**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/10/14 9:00	By:	BAG
Dilution Factor:	10	Analyzed:	4/10/14 11:43	By:	BAG
QC Batch:	1403153	Analytical Batch:	4D11009		

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	**68**	10
79-00-5	1,1,2-Trichloroethane	<10	10
79-01-6	Trichloroethene	**1100**	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:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**DUP-01**	Sampled:	3/27/14 0:00		
Lab Sample ID:	**1403404-12**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/10/14 9:00	By:	BAG
Dilution Factor:	10	Analyzed:	4/10/14 11:43	By:	BAG
QC Batch:	1403153	Analytical Batch:	4D11009		

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	*102*	*85-118*
1,2-Dichloroethane-d4	*109*	*87-122*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*104*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-4i**	Sampled:	3/27/14 11:17		
Lab Sample ID:	**1403404-13**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	50	Analyzed:	4/3/14 14:46	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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	**3000**	50
156-60-5	trans-1,2-Dichloroethene	**79**	50

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*See Statement of Data Qualifications

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**	
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services	
Client Sample ID:	**MW-4i**	Sampled:	3/27/14 11:17	
Lab Sample ID:	**1403404-13**	Sampled By:	J. Jasso	
Matrix:	Water	Received:	3/28/14 16:20	
Unit:	ug/L	Prepared:	4/3/14 6:00	By: LEW
Dilution Factor:	50	Analyzed:	4/3/14 14:46	By: LEW
QC Batch:	1402921	Analytical Batch:	4D04024	

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	**4000**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-4i**	Sampled:	3/27/14 11:17		
Lab Sample ID:	**1403404-13**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	50	Analyzed:	4/3/14 14:46	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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	*95*	*85-118*
1,2-Dichloroethane-d4	*97*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*97*	*82-110*

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-37s**	Sampled:	3/27/14 12:08		
Lab Sample ID:	**1403404-14**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	5	Analyzed:	4/3/14 15:13	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-37s**	Sampled:	3/27/14 12:08		
Lab Sample ID:	**1403404-14**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	5	Analyzed:	4/3/14 15:13	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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	**550**	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:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-37s**	Sampled:	3/27/14 12:08		
Lab Sample ID:	**1403404-14**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	5	Analyzed:	4/3/14 15:13	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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	*94*	*85-118*
1,2-Dichloroethane-d4	*97*	*87-122*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*98*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-32d**	Sampled:	3/27/14 14:09		
Lab Sample ID:	**1403404-15**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 15:40	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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	**2.0**	1.0
156-60-5	trans-1,2-Dichloroethene	**3.0**	1.0

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*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-32d**	Sampled:	3/27/14 14:09		
Lab Sample ID:	**1403404-15**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 15:40	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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	**56**	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:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-32d**	Sampled:	3/27/14 14:09		
Lab Sample ID:	**1403404-15**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/3/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	4/3/14 15:40	By:	LEW
QC Batch:	1402921	Analytical Batch:	4D04024		

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	*94*	*85-118*
1,2-Dichloroethane-d4	*97*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*98*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**NS-18i**	Sampled:	3/27/14 15:05		
Lab Sample ID:	**1403404-16**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/8/14 8:00	By:	BAG
Dilution Factor:	25	Analyzed:	4/8/14 17:58	By:	BAG
QC Batch:	1403058	Analytical Batch:	4D09023		

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	<25	25
156-59-2	cis-1,2-Dichloroethene	**630**	25
156-60-5	trans-1,2-Dichloroethene	**140**	25

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**NS-18i**	Sampled:	3/27/14 15:05		
Lab Sample ID:	**1403404-16**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/8/14 8:00	By:	BAG
Dilution Factor:	25	Analyzed:	4/8/14 17:58	By:	BAG
QC Batch:	1403058	Analytical Batch:	4D09023		

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	<25	25
79-00-5	1,1,2-Trichloroethane	<25	25
79-01-6	Trichloroethene	**2000**	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:	**1403404**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**NS-18i**	Sampled:	3/27/14 15:05		
Lab Sample ID:	**1403404-16**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	3/28/14 16:20		
Unit:	ug/L	Prepared:	4/8/14 8:00	By:	BAG
Dilution Factor:	25	Analyzed:	4/8/14 17:58	By:	BAG
QC Batch:	1403058	Analytical Batch:	4D09023		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**44**	25
179601-23-1	Xylene, Meta + Para	<50	50
95-47-6	Xylene, Ortho	<25	25

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*102*	*85-118*
1,2-Dichloroethane-d4	*102*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*101*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1404016**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-35i**	Sampled:	3/28/14 8:00		
Lab Sample ID:	**1404016-01**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	4/1/14 17:45		
Unit:	ug/L	Prepared:	4/10/14 9:00	By:	BAG
Dilution Factor:	50	Analyzed:	4/10/14 14:54	By:	BAG
QC Batch:	1403153	Analytical Batch:	4D11009		

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	**170**	50
156-59-2	cis-1,2-Dichloroethene	<50	50
156-60-5	trans-1,2-Dichloroethene	<50	50

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1404016**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-35i**	Sampled:	3/28/14 8:00		
Lab Sample ID:	**1404016-01**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	4/1/14 17:45		
Unit:	ug/L	Prepared:	4/10/14 9:00	By:	BAG
Dilution Factor:	50	Analyzed:	4/10/14 14:54	By:	BAG
QC Batch:	1403153	Analytical Batch:	4D11009		

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	**6300**	50
79-00-5	1,1,2-Trichloroethane	<50	50
79-01-6	Trichloroethene	**4600**	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:	**1404016**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-35i**	Sampled:	3/28/14 8:00		
Lab Sample ID:	**1404016-01**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	4/1/14 17:45		
Unit:	ug/L	Prepared:	4/10/14 9:00	By:	BAG
Dilution Factor:	50	Analyzed:	4/10/14 14:54	By:	BAG
QC Batch:	1403153	Analytical Batch:	4D11009		

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	*104*	*85-118*
1,2-Dichloroethane-d4	*111*	*87-122*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*104*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1404016**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-39s**	Sampled:	3/28/14 8:45		
Lab Sample ID:	**1404016-02**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	4/1/14 17:45		
Unit:	ug/L	Prepared:	4/10/14 9:00	By:	BAG
Dilution Factor:	5	Analyzed:	4/10/14 17:15	By:	BAG
QC Batch:	1403153	Analytical Batch:	4D11009		

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	**79**	5.0
107-06-2	1,2-Dichloroethane	<5.0	5.0
75-35-4	1,1-Dichloroethene	**18**	5.0
156-59-2	cis-1,2-Dichloroethene	**64**	5.0
156-60-5	trans-1,2-Dichloroethene	**7.2**	5.0

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1404016**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-39s**	Sampled:	3/28/14 8:45		
Lab Sample ID:	**1404016-02**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	4/1/14 17:45		
Unit:	ug/L	Prepared:	4/10/14 9:00	By:	BAG
Dilution Factor:	5	Analyzed:	4/10/14 17:15	By:	BAG
QC Batch:	1403153	Analytical Batch:	4D11009		

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	**96**	5.0
79-00-5	1,1,2-Trichloroethane	<5.0	5.0
79-01-6	Trichloroethene	**790**	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:	**1404016**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-39s**	Sampled:	3/28/14 8:45		
Lab Sample ID:	**1404016-02**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	4/1/14 17:45		
Unit:	ug/L	Prepared:	4/10/14 9:00	By:	BAG
Dilution Factor:	5	Analyzed:	4/10/14 17:15	By:	BAG
QC Batch:	1403153	Analytical Batch:	4D11009		

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	*103*	*85-118*
1,2-Dichloroethane-d4	*111*	*87-122*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*105*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1404016**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**E.B #01**	Sampled:	3/28/14 9:05		
Lab Sample ID:	**1404016-03**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	4/1/14 17:45		
Unit:	ug/L	Prepared:	4/10/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	4/10/14 13:05	By:	BAG
QC Batch:	1403153	Analytical Batch:	4D11009		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1404016**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**E.B #01**	Sampled:	3/28/14 9:05		
Lab Sample ID:	**1404016-03**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	4/1/14 17:45		
Unit:	ug/L	Prepared:	4/10/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	4/10/14 13:05	By:	BAG
QC Batch:	1403153	Analytical Batch:	4D11009		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1404016**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**E.B #01**	Sampled:	3/28/14 9:05		
Lab Sample ID:	**1404016-03**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	4/1/14 17:45		
Unit:	ug/L	Prepared:	4/10/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	4/10/14 13:05	By:	BAG
QC Batch:	1403153	Analytical Batch:	4D11009		

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	*103*	*85-118*
1,2-Dichloroethane-d4	*108*	*87-122*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*104*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1404016**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**WL-01**	Sampled:	3/28/14 9:50		
Lab Sample ID:	**1404016-04**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	4/1/14 17:45		
Unit:	ug/L	Prepared:	4/10/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	4/10/14 13:32	By:	BAG
QC Batch:	1403153	Analytical Batch:	4D11009		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1404016**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**WL-01**	Sampled:	3/28/14 9:50		
Lab Sample ID:	**1404016-04**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	4/1/14 17:45		
Unit:	ug/L	Prepared:	4/10/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	4/10/14 13:32	By:	BAG
QC Batch:	1403153	Analytical Batch:	4D11009		

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:	**1404016**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**WL-01**	Sampled:	3/28/14 9:50		
Lab Sample ID:	**1404016-04**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	4/1/14 17:45		
Unit:	ug/L	Prepared:	4/10/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	4/10/14 13:32	By:	BAG
QC Batch:	1403153	Analytical Batch:	4D11009		

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	*106*	*85-118*
1,2-Dichloroethane-d4	*111*	*87-122*
Toluene-d8	*102*	*85-113*
4-Bromofluorobenzene	*104*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1404016**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-17**	Sampled:	3/28/14 10:40		
Lab Sample ID:	**1404016-05**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	4/1/14 17:45		
Unit:	ug/L	Prepared:	4/10/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	4/10/14 14:00	By:	BAG
QC Batch:	1403153	Analytical Batch:	4D11009		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1404016**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-17**	Sampled:	3/28/14 10:40		
Lab Sample ID:	**1404016-05**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	4/1/14 17:45		
Unit:	ug/L	Prepared:	4/10/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	4/10/14 14:00	By:	BAG
QC Batch:	1403153	Analytical Batch:	4D11009		

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:	**1404016**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-17**	Sampled:	3/28/14 10:40		
Lab Sample ID:	**1404016-05**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	4/1/14 17:45		
Unit:	ug/L	Prepared:	4/10/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	4/10/14 14:00	By:	BAG
QC Batch:	1403153	Analytical Batch:	4D11009		

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	*104*	*85-118*
1,2-Dichloroethane-d4	*112*	*87-122*
Toluene-d8	*101*	*85-113*
4-Bromofluorobenzene	*106*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1404016**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-31**	Sampled:	3/28/14 11:56		
Lab Sample ID:	**1404016-06**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	4/1/14 17:45		
Unit:	ug/L	Prepared:	4/10/14 9:00	By:	BAG
Dilution Factor:	2.5	Analyzed:	4/10/14 15:49	By:	BAG
QC Batch:	1403153	Analytical Batch:	4D11009		

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	**16**	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	**34**	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:	**1404016**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-31**	Sampled:	3/28/14 11:56		
Lab Sample ID:	**1404016-06**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	4/1/14 17:45		
Unit:	ug/L	Prepared:	4/10/14 9:00	By:	BAG
Dilution Factor:	2.5	Analyzed:	4/10/14 15:49	By:	BAG
QC Batch:	1403153	Analytical Batch:	4D11009		

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	**27**	2.5
79-00-5	1,1,2-Trichloroethane	<2.5	2.5
79-01-6	Trichloroethene	**300**	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:	**1404016**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-31**	Sampled:	3/28/14 11:56		
Lab Sample ID:	**1404016-06**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	4/1/14 17:45		
Unit:	ug/L	Prepared:	4/10/14 9:00	By:	BAG
Dilution Factor:	2.5	Analyzed:	4/10/14 15:49	By:	BAG
QC Batch:	1403153	Analytical Batch:	4D11009		

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	*103*	*85-118*
1,2-Dichloroethane-d4	*112*	*87-122*
Toluene-d8	*101*	*85-113*
4-Bromofluorobenzene	*106*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1404016**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-22**	Sampled:	3/28/14 13:32		
Lab Sample ID:	**1404016-07**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	4/1/14 17:45		
Unit:	ug/L	Prepared:	4/10/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	4/10/14 14:27	By:	BAG
QC Batch:	1403153	Analytical Batch:	4D11009		

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:	**1404016**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-22**	Sampled:	3/28/14 13:32		
Lab Sample ID:	**1404016-07**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	4/1/14 17:45		
Unit:	ug/L	Prepared:	4/10/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	4/10/14 14:27	By:	BAG
QC Batch:	1403153	Analytical Batch:	4D11009		

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:	**1404016**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-22**	Sampled:	3/28/14 13:32		
Lab Sample ID:	**1404016-07**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	4/1/14 17:45		
Unit:	ug/L	Prepared:	4/10/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	4/10/14 14:27	By:	BAG
QC Batch:	1403153	Analytical Batch:	4D11009		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**29**	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	*104*	*85-118*
1,2-Dichloroethane-d4	*111*	*87-122*
Toluene-d8	*101*	*85-113*
4-Bromofluorobenzene	*104*	*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: 1402921 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 04/03/2014 By: LEW

Unit: ug/L Analytical Batch: 4D04024

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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Volatile Organic Compounds by EPA Method 8260B (Continued)

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

QC Batch: 1402921 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 04/03/2014 By: LEW

Unit: ug/L Analytical Batch: 4D04024

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			*93*	*85-118*	
1,2-Dichloroethane-d4			*96*	*87-122*	
Toluene-d8			*98*	*85-113*	

Continued on next page

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

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 1402921 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Method Blank (Continued)					Analyzed:	04/03/2014		By: LEW
Unit: ug/L					Analytical Batch:	4D04024		
Surrogates (Continued):								
4-Bromofluorobenzene				*98*	*82-110*			
Laboratory Control Sample					Analyzed:	04/03/2014		By: LEW
Unit: ug/L					Analytical Batch:	4D04024		
Benzene		40.0	**39.0**	97	84-119	--		1.0
Chlorobenzene		40.0	**38.1**	95	84-118	--		1.0
1,1-Dichloroethene		40.0	**34.0**	85	77-123	--		1.0
Toluene		40.0	**38.6**	96	85-118	--		1.0
Trichloroethene		40.0	**38.4**	96	82-119	--		1.0
Surrogates:								
Dibromofluoromethane				*100*	*85-118*			
1,2-Dichloroethane-d4				*97*	*87-122*			
Toluene-d8				*100*	*85-113*			
4-Bromofluorobenzene				*98*	*82-110*			
Matrix Spike 1403404-10 MW-36s					Analyzed:	04/03/2014		By: LEW
Unit: ug/L					Analytical Batch:	4D04024		
Benzene	<5.0	200	**211**	105	80-129	--		5.0
Chlorobenzene	<5.0	200	**202**	101	80-121	--		5.0
1,1-Dichloroethene	<5.0	200	**160**	80	74-134	--		5.0
Toluene	<5.0	200	**208**	104	79-129	--		5.0
Trichloroethene	433	200	**631**	99	75-127	--		5.0
Surrogates:								
Dibromofluoromethane				*102*	*85-118*			
1,2-Dichloroethane-d4				*98*	*87-122*			
Toluene-d8				*101*	*85-113*			
4-Bromofluorobenzene				*99*	*82-110*			
Matrix Spike Duplicate 1403404-10 MW-36s					Analyzed:	04/03/2014		By: LEW
Unit: ug/L					Analytical Batch:	4D04024		
Benzene	<5.0	200	**210**	105	80-129	0.4	9	5.0

Continued on next page

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Volatile Organic Compounds by EPA Method 8260B (Continued)

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

QC Batch: 1402921 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Matrix Spike Duplicate (Continued) 1403404-10 MW-36s — Analyzed: 04/03/2014 — By: LEW

Unit: ug/L — Analytical Batch: 4D04024

Chlorobenzene	<5.0	200	**203**	101	80-121	0.5	8	5.0
1,1-Dichloroethene	<5.0	200	**161**	81	74-134	0.8	11	5.0
Toluene	<5.0	200	**209**	104	79-129	0.2	9	5.0
Trichloroethene	433	200	**625**	96	75-127	1	10	5.0
Surrogates:								
Dibromofluoromethane				*99*	*85-118*			
1,2-Dichloroethane-d4				*97*	*87-122*			
Toluene-d8				*102*	*85-113*			
4-Bromofluorobenzene				*98*	*82-110*			

QC Batch: 1403058 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank — Analyzed: 04/08/2014 — By: BAG

Unit: ug/L — Analytical Batch: 4D09023

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

Continued on next page

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Volatile Organic Compounds by EPA Method 8260B (Continued)

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

QC Batch: 1403058 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 04/08/2014 By: BAG

Unit: ug/L Analytical Batch: 4D09023

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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Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 1403058 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Method Blank (Continued)					Analyzed:		04/08/2014	By: BAG
Unit: ug/L					Analytical Batch:		4D09023	
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				*103*	*85-118*			
1,2-Dichloroethane-d4				*104*	*87-122*			
Toluene-d8				*102*	*85-113*			
4-Bromofluorobenzene				*101*	*82-110*			
Laboratory Control Sample					Analyzed:		04/08/2014	By: BAG
Unit: ug/L					Analytical Batch:		4D09023	
Benzene	40.0		**39.8**	100	84-119	--	1.0	
Chlorobenzene	40.0		**39.8**	100	84-118	--	1.0	
1,1-Dichloroethene	40.0		**38.5**	96	77-123	--	1.0	
Toluene	40.0		**39.6**	99	85-118	--	1.0	
Trichloroethene	40.0		**40.2**	101	82-119	--	1.0	
Surrogates:								
Dibromofluoromethane				*98*	*85-118*			
1,2-Dichloroethane-d4				*98*	*87-122*			
Toluene-d8				*99*	*85-113*			
4-Bromofluorobenzene				*99*	*82-110*			
QC Batch: 1403153 5030B Aqueous Purge & Trap/USEPA-8260B								
Method Blank					Analyzed:		04/10/2014	By: BAG
Unit: ug/L					Analytical Batch:		4D11009	
Acetone			<20			--	20	

Continued on next page

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Volatile Organic Compounds by EPA Method 8260B (Continued)

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

QC Batch: 1403153 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 04/10/2014 By: BAG

Unit: ug/L Analytical Batch: 4D11009

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

Continued on next page

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Volatile Organic Compounds by EPA Method 8260B (Continued)

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

QC Batch: 1403153 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 04/10/2014 By: BAG

Unit: ug/L Analytical Batch: 4D11009

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	*103*	*85-118*
1,2-Dichloroethane-d4	*111*	*87-122*
Toluene-d8	*101*	*85-113*
4-Bromofluorobenzene	*104*	*82-110*

Continued on next page

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Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 1403153 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Laboratory Control Sample					Analyzed:		04/10/2014	By: BAG
Unit: ug/L					Analytical Batch:		4D11009	
Benzene		40.0	**40.2**	100	84-119	--		1.0
Chlorobenzene		40.0	**39.2**	98	84-118	--		1.0
1,1-Dichloroethene		40.0	**39.1**	98	77-123	--		1.0
Toluene		40.0	**39.1**	98	85-118	--		1.0
Trichloroethene		40.0	**38.9**	97	82-119	--		1.0
Surrogates:								
Dibromofluoromethane				*99*	*85-118*			
1,2-Dichloroethane-d4				*105*	*87-122*			
Toluene-d8				*100*	*85-113*			
4-Bromofluorobenzene				*102*	*82-110*			

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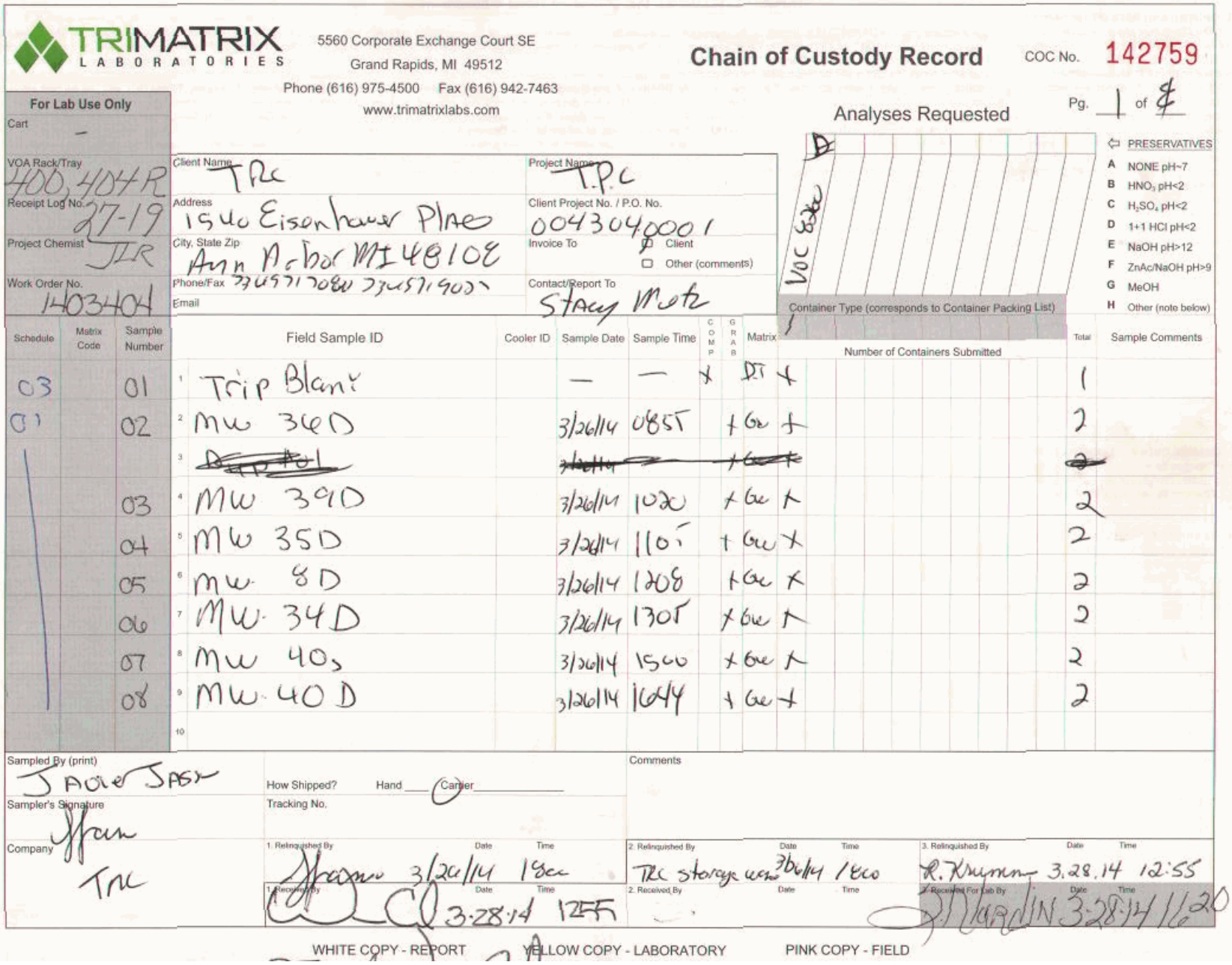

TRIMATRIX LABORATORIES

5560 Corporate Exchange Court SE
Grand Rapids, MI 49512
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Chain of Custody Record

COC No. 142759

Pg. 1 of 4

For Lab Use Only
Cart: –
VOA Rack/Tray: 400, 404R
Receipt Log No.: 27-19
Project Chemist: JLR
Work Order No.: 140340H

Client Name: TRC
Address: 1540 Eisenhower Place
City, State Zip: Ann Arbor MI 48108
Phone/Fax: 734 971 7080 734 971 9022
Email:

Project Name: T.P.C
Client Project No. / P.O. No.: 0043040001
Invoice To: ☑ Client ☐ Other (comments)
Contact/Report To: Stacy Moth

Analyses Requested

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

Schedule	Matrix Code	Sample Number	Field Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Container Type (corresponds to Container Packing List)	Number of Containers Submitted	Total	Sample Comments
03		01	1 Trip Blank		–	–	X		DI	4		1	
01		02	2 MW 36D		3/26/14	0855		X	GW	4		2	
			3 ~~DUP #1~~		~~3/26/14~~			X	GW	4		~~2~~	
		03	4 MW 39D		3/26/14	1020		X	GW	4		2	
		04	5 MW 35D		3/26/14	1105		X	GW	4		2	
		05	6 MW 8D		3/26/14	1208		X	GW	4		2	
		06	7 MW 34D		3/26/14	1305		X	GW	4		2	
		07	8 MW 40S		3/26/14	1500		X	GW	4		2	
		08	9 MW 40D		3/26/14	1644		X	GW	4		2	
			10										

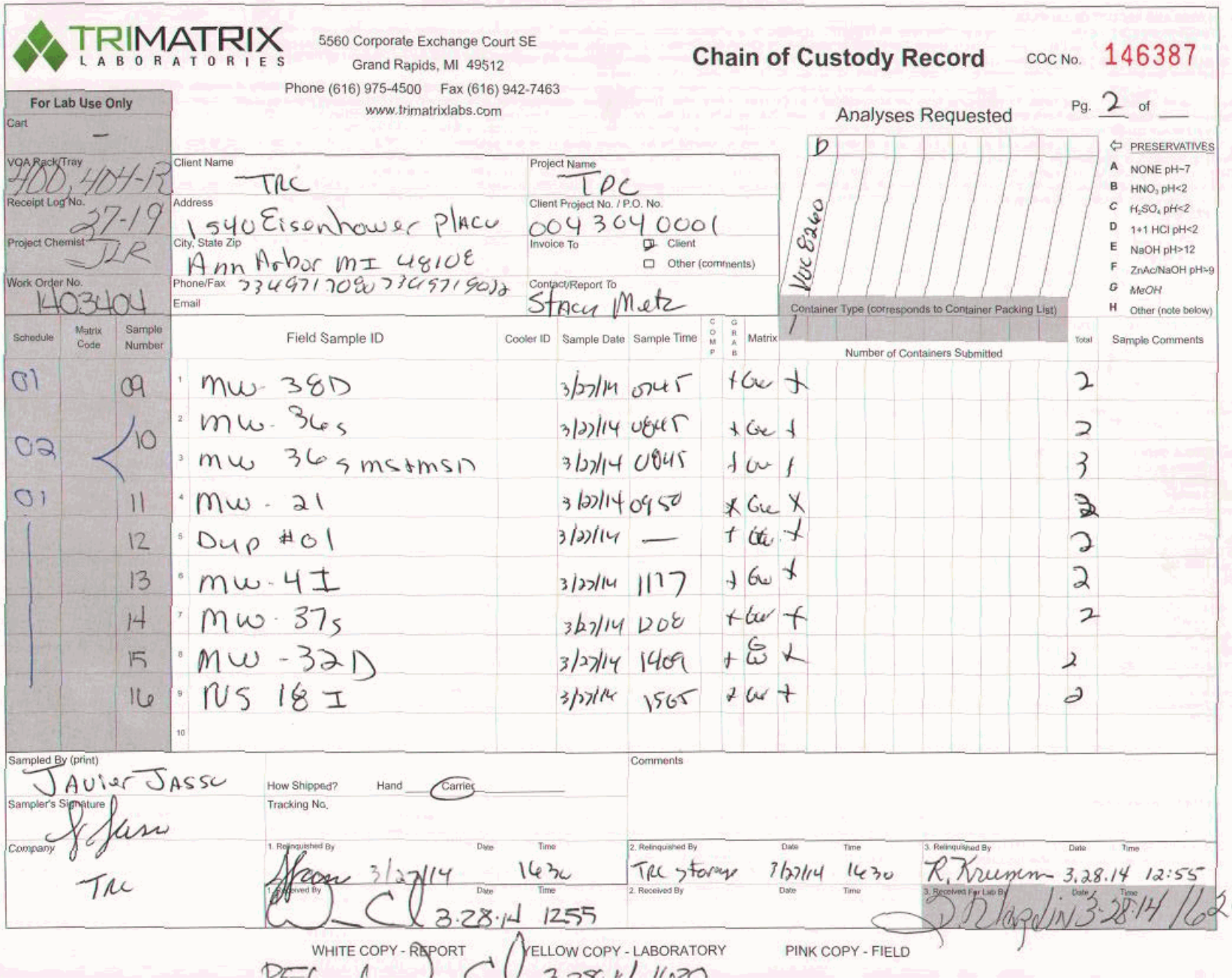
Sampled By (print): Jason Jaster
Sampler's Signature:
Company: TRC

How Shipped? Hand ___ Carrier ___
Tracking No.

Comments

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
	3/26/14	1800	TRC storage area	3/26/14	1800	R. Krumm	3.28.14	12:55
1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
	3.28.14	1255				J. Martin	3.28.14	1620

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



TRIMATRIX LABORATORIES

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Chain of Custody Record

COC No. 146387

Pg. 2 of ___

For Lab Use Only
Cart: —
VOA Rack/Tray: 400, 404-R
Receipt Log No.: 27-19
Project Chemist: JR
Work Order No.: 140404

Client Name: TRC
Address: 1540 Eisenhower Place
City, State Zip: Ann Arbor MI 48108
Phone/Fax: 7344971700 7345719032
Email:

Project Name: TPC
Client Project No. / P.O. No.: 004304 0001
Invoice To: ☑ Client ☐ Other (comments)
Contact/Report To: Stacy Metz

Analyses Requested

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

Schedule	Matrix Code	Sample Number		Field Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	D VOC 8260	Total	Sample Comments
				Container Type (corresponds to Container Packing List)							1		
				Number of Containers Submitted									
01		09	1	MW-38D		3/27/14	0745		X	GW	X	2	
02		10	2	MW-36S		3/27/14	0845		X	GW	X	2	
			3	MW-36S MS+MSD		3/27/14	0845		X	GW	X	3	
01		11	4	MW-21		3/27/14	0950		X	GW	X	2	
		12	5	Dup #01		3/27/14	—		X	GW	X	2	
		13	6	MW-4I		3/27/14	1117		X	GW	X	2	
		14	7	MW-37S		3/27/14	1208		X	GW	X	2	
		15	8	MW-32D		3/27/14	1409		X	GW	X	2	
		16	9	RUS 18I		3/27/14	1505		X	GW	X	2	
			10										

Sampled By (print): Javier Jasso
Sampler's Signature:
Company: TRC

How Shipped? Hand ___ Carrier ___
Tracking No.

Comments

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
	3/27/14	1630	TRC storage	3/27/14	1630	R. Krumm	3.28.14	12:55
1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
	3.28.14	1255				D. Maglin	3.28.14	1625

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

SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client: TRC - T.P.C.		Work Order #: 1403404	
Receipt Record Page/Line #: 27-19		New / Add To	
		Project Chemist: TLR	Sample #s

Recorded by (initials/date): DNL 3-28-14

☑ Cooler ☐ Box ☐ Other ___ Qty Received: 1

Thermometer Used: ☑ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#___)

☐ See Additional Cooler Information Form

Cooler # BUCKET Time 1933	Cooler # Time	Cooler # Time	Cooler # Time
Custody Seals: ☑ None ☐ Present / Intact ☐ Present / Not Intact	Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact	Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact	Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact
Coolant Location: Dispersed / Top / Middle / Bottom	Coolant Location: Dispersed / Top / Middle / Bottom	Coolant Location: Dispersed / Top / Middle / Bottom	Coolant Location: Dispersed / Top / Middle / Bottom
Coolant/Temperature Taken Via: ☑ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers
Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container	Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container	Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container	Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container

Cooler 1: Recorded °C	Correction Factor °C	Actual °C
Temp Blank:		
TB location: Representative / Not Representative		
1 2.9	0	2.9
2 3.3	0	3.3
3 3.5	0	3.5
Average °C		3.2

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

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

☑ TriMatrix COC ☐ Other ___

COC ID Numbers: 142759, 146387

Check Sample Preservation

N/A	Yes	No	
	☑	☐	Average sample temperature ≤6° C?
☑	☐	☐	Was thermal preservation required?
☑	☐		If "No", 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 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 for Short Hold-Time Prep/Analyses

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

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

Sample Condition Summary

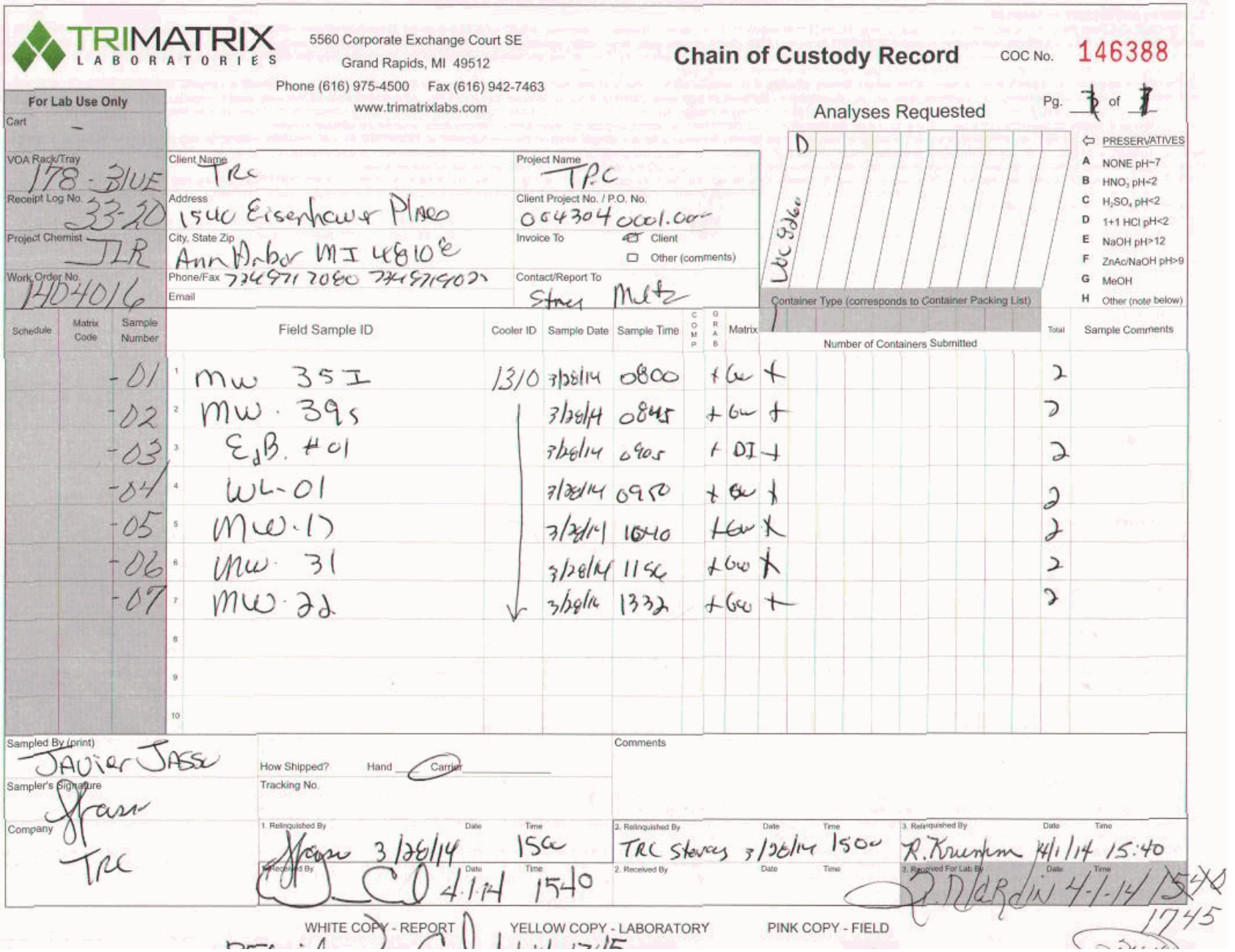
N/A	Yes	No	
	☐	☑	Broken containers/lids?
	☐	☑	Missing or incomplete labels?
	☐	☑	Illegible information on labels?
	☐	☑	Low volume received?
	☐	☑	Inappropriate or non-TriMatrix containers received?
☐	☐	☑	VOC vials / TOX containers have headspace?
☑	☐	☐	Extra sample locations / containers not listed on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

Notes

☑ Trip Blank received ☐ Trip Blank not listed on COC

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
DNL 3-28-14	3-28-14	Yes / No

Sample Receiving Log In Forms.xls - Receiving.Log-In_Checklist revision: 3.4



TRIMATRIX LABORATORIES

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

Chain of Custody Record

COC No. 146388

Pg. 1 of 1

For Lab Use Only

Cart: –
VOA Rack/Tray: 178 - BLUE
Receipt Log No.: 33-20
Project Chemist: JLR
Work Order No.: 1404016

Client Name: TRC
Address: 1540 Eisenhower Place
City, State Zip: Ann Arbor MI 48108
Phone/Fax: 734 971 7080 734 971 9022
Email:

Project Name: TPC
Client Project No. / P.O. No.: 054304 0001.00
Invoice To: ☑ Client ☐ Other (comments)
Contact/Report To: Steve Metz

Analyses Requested

D
VOC 8260

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

Container Type (corresponds to Container Packing List)

Schedule	Matrix Code	Sample Number		Field Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Number of Containers Submitted	Total	Sample Comments
		-01	1	MW 35I	13/0	3/26/14	0800		+	GW	+	2	
		-02	2	MW 39S		3/26/14	0845		+	GW	+	2	
		-03	3	EQB #01		3/26/14	0905		+	DI	+	2	
		-04	4	WL-01		3/26/14	0950		+	GW	+	2	
		-05	5	MW-17		3/26/14	1040		+	GW	+	2	
		-06	6	MW 31		3/26/14	1150		+	GW	+	2	
		-07	7	MW 22		3/26/14	1332		+	GW	+	2	
			8										
			9										
			10										

Sampled By (print): JAVier JASSO
Sampler's Signature:
Company: TRC

How Shipped? Hand Carrier
Tracking No.

Comments

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
	3/26/14	1500	TRC Stevens	3/26/14	1500	R. Krueckeberg	4/1/14	15:40
1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
	4.1.14	1540					4-1-14	1540

1745

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

TRIMATRIX LABORATORIES

SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client: TRC - T.P.C	New / Add To	Work Order #: 1404016
Receipt Record Page/Line #: 33-20	Project Chemist: JLR	Sample #s

Recorded by (initials/date)		Qty Received	Thermometer Used	
DN 4-1-14	☑ Cooler ☐ Box ☐ Other____	1	☑ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#____)	☐ See Additional Cooler Information Form

	Cooler 1	Cooler 2	Cooler 3	Cooler 4
Cooler #	TN1310			
Time	2241			
Custody Seals: None	☑	☐	☐	☐
Present / Intact	☐	☐	☐	☐
Present / Not Intact	☐	☐	☐	☐
Coolant Location: Dispersed / Top / Middle / Bottom	Dispersed			
Coolant/Temperature Taken Via: Loose Ice / Avg 2-3 containers	☑	☐	☐	☐
Bagged Ice / Avg 2-3 containers	☐	☐	☐	☐
Blue Ice / Avg 2-3 containers	☐	☐	☐	☐
None / Avg 2-3 containers	☐	☐	☐	☐
Alternate Temperature Taken Via: Temperature Blank (TB)	☐	☐	☐	☐
1 Container	☐	☐	☐	☐
Recorded °C / Correction Factor °C / Actual °C				
Temp Blank:				
TB location: Representative / Not Representative				
1	3.6 / 0 / 3.6			
2	3.2 / 0 / 3.2			
3	3.7 / 0 / 3.7			
Average °C	3.2			
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

☑ TriMatrix COC ☐ Other________

COC ID Numbers: 146388

Check Sample Preservation

N/A	Yes	No	
	☑	☐	Average sample temperature ≤6° C?
☑	☐	☐	Was thermal preservation required?
☑	☐		If "No", Project Chemist Approval Intials:________
☑	☐		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 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 for Short Hold-Time Prep/Analyses

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

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

Sample Condition Summary

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

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
DN 4-1-14	4-1-14	Yes / No

Sample Receiving Log In Forms.xls - Receiving.Log-In_Checklist

revision: 3.4

June 11, 2014

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 TriMatrix Laboratories:

Work Order	Received	Description
1405309	05/16/2014	Laboratory Services
1405399	05/22/2014	Laboratory Services
1405461	05/28/2014	Laboratory Services

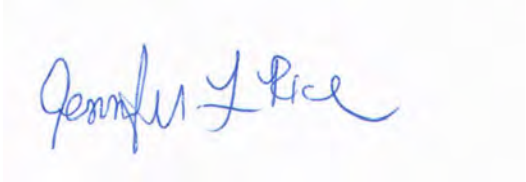
This report relates only to the sample(s) as received. Test results are in compliance with the requirements of the National Environmental Laboratory Accreditation Program (NELAP) and/or one of the following certification programs:

ACLASS DoD-ELAP/ISO17025 (#ADE-1542); Arkansas DEP (#88-0730/13-049-0); Florida DEP (#E87622-24); Georgia EPD (#E87622-24); Illinois DEP (#200026/003329); Kansas DPH (#E-10302); Kentucky DEP (#0021); Louisiana DEP (#103068); Michigan DPH (#0034); Minnesota DPH (#491715); New York ELAP (#11776/48855); North Carolina DNRE (#659); Texas CEQ (#T104704495-14-4); Virginia DCLS (#460153/2592); Wisconsin DNR (#999472650); USDA Soil Import Permit (#P330-12-00236).

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 Chemist

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

PROJECT TECHNICAL NARRATIVE(s)

No Project Narrative is associated with this report.

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STATEMENT OF DATA QUALIFICATIONS

Volatile Organic Compounds by EPA Method 8260B

Qualification: The corresponding CCV for this analytical batch had a recovery exceeding the upper control limit of the method. A positive result for this analyte in any associated samples are considered estimated. Non-detectable results are not qualified.

Analysis: USEPA-8260B

Sample/Analyte:	1405309-15	MW-38s	Naphthalene

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-24s**	Sampled:	5/14/14 7:45		
Lab Sample ID:	**1405309-01**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 0:27	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

Volatile Organic Compounds by EPA Method 8260B

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

Continued on next page

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-24s**	Sampled:	5/14/14 7:45		
Lab Sample ID:	**1405309-01**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 0:27	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

Volatile Organic Compounds by EPA Method 8260B (Continued)

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

Continued on next page

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-24s**	Sampled:	5/14/14 7:45		
Lab Sample ID:	**1405309-01**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 0:27	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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	*103*	*85-118*
1,2-Dichloroethane-d4	*106*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-24d**	Sampled:	5/14/14 8:42		
Lab Sample ID:	**1405309-02**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 0:54	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-24d**	Sampled:	5/14/14 8:42		
Lab Sample ID:	**1405309-02**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 0:54	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-24d**	Sampled:	5/14/14 8:42		
Lab Sample ID:	**1405309-02**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 0:54	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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	*104*	*85-118*
1,2-Dichloroethane-d4	*106*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*103*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-30s**	Sampled:	5/14/14 10:47		
Lab Sample ID:	**1405309-03**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 1:21	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-30s**	Sampled:	5/14/14 10:47		
Lab Sample ID:	**1405309-03**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 1:21	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-30s**	Sampled:	5/14/14 10:47		
Lab Sample ID:	**1405309-03**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 1:21	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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	*104*	*85-118*
1,2-Dichloroethane-d4	*106*	*87-122*
Toluene-d8	*97*	*85-113*
4-Bromofluorobenzene	*101*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-30d**	Sampled:	5/14/14 11:40
Lab Sample ID:	**1405309-04**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/16/14 17:20
Unit:	ug/L	Prepared:	5/23/14 21:00 By: BAG
Dilution Factor:	1	Analyzed:	5/24/14 1:49 By: BAG
QC Batch:	1404972	Analytical Batch:	4E27030

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-30d**	Sampled:	5/14/14 11:40		
Lab Sample ID:	**1405309-04**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 1:49	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-30d**	Sampled:	5/14/14 11:40		
Lab Sample ID:	**1405309-04**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 1:49	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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	*104*	*85-118*
1,2-Dichloroethane-d4	*105*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-12s**	Sampled:	5/14/14 12:27		
Lab Sample ID:	**1405309-05**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 2:16	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-12s**	Sampled:	5/14/14 12:27		
Lab Sample ID:	**1405309-05**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 2:16	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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	**1.7**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-12s**	Sampled:	5/14/14 12:27		
Lab Sample ID:	**1405309-05**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 2:16	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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	*105*	*85-118*
1,2-Dichloroethane-d4	*107*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*101*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-12d**	Sampled:	5/15/14 6:45		
Lab Sample ID:	**1405309-06**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 2:43	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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:	**1405309**	
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services	
Client Sample ID:	**MW-12d**	Sampled:	5/15/14 6:45	
Lab Sample ID:	**1405309-06**	Sampled By:	J. Jasso	
Matrix:	Water	Received:	5/16/14 17:20	
Unit:	ug/L	Prepared:	5/23/14 21:00	By: BAG
Dilution Factor:	1	Analyzed:	5/24/14 2:43	By: BAG
QC Batch:	1404972	Analytical Batch:	4E27030	

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-12d**	Sampled:	5/15/14 6:45		
Lab Sample ID:	**1405309-06**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 2:43	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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	*105*	*85-118*
1,2-Dichloroethane-d4	*108*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-29s**	Sampled:	5/15/14 10:17		
Lab Sample ID:	**1405309-07**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 3:10	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-29s**	Sampled:	5/15/14 10:17		
Lab Sample ID:	**1405309-07**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 3:10	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-29s**	Sampled:	5/15/14 10:17		
Lab Sample ID:	**1405309-07**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 3:10	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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	*107*	*85-118*
1,2-Dichloroethane-d4	*106*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*103*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-29d**	Sampled:	5/15/14 11:27		
Lab Sample ID:	**1405309-08**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 3:38	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-29d**	Sampled:	5/15/14 11:27		
Lab Sample ID:	**1405309-08**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 3:38	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-29d**	Sampled:	5/15/14 11:27		
Lab Sample ID:	**1405309-08**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 3:38	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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	*106*	*85-118*
1,2-Dichloroethane-d4	*110*	*87-122*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*103*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-13s**	Sampled:	5/15/14 12:31		
Lab Sample ID:	**1405309-09**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 4:05	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-13s**	Sampled:	5/15/14 12:31		
Lab Sample ID:	**1405309-09**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 4:05	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-13s**	Sampled:	5/15/14 12:31		
Lab Sample ID:	**1405309-09**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 4:05	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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	*107*	*85-118*
1,2-Dichloroethane-d4	*108*	*87-122*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*103*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-36s**	Sampled:	5/15/14 13:35		
Lab Sample ID:	**1405309-10**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	5	Analyzed:	5/24/14 4:32	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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	**15**	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	**120**	5.0
156-60-5	trans-1,2-Dichloroethene	**16**	5.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-36s**	Sampled:	5/15/14 13:35		
Lab Sample ID:	**1405309-10**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	5	Analyzed:	5/24/14 4:32	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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	**22**	5.0
79-00-5	1,1,2-Trichloroethane	<5.0	5.0
79-01-6	Trichloroethene	**370**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-36s**	Sampled:	5/15/14 13:35		
Lab Sample ID:	**1405309-10**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	5	Analyzed:	5/24/14 4:32	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**16**	5.0
179601-23-1	Xylene, Meta + Para	<10	10
95-47-6	Xylene, Ortho	<5.0	5.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*106*	*85-118*
1,2-Dichloroethane-d4	*109*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-23**	Sampled:	5/15/14 14:25		
Lab Sample ID:	**1405309-11**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 4:59	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-23**	Sampled:	5/15/14 14:25		
Lab Sample ID:	**1405309-11**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 4:59	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-23**	Sampled:	5/15/14 14:25		
Lab Sample ID:	**1405309-11**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 4:59	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**90**	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	*106*	*85-118*
1,2-Dichloroethane-d4	*108*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*103*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-20s**	Sampled:	5/15/14 15:29		
Lab Sample ID:	**1405309-12**	Sampled By:	Javier Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	2	Analyzed:	5/24/14 5:27	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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	**4.0**	2.0
107-06-2	1,2-Dichloroethane	<2.0	2.0
75-35-4	1,1-Dichloroethene	<2.0	2.0
156-59-2	cis-1,2-Dichloroethene	<2.0	2.0
156-60-5	trans-1,2-Dichloroethene	<2.0	2.0

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-20s**	Sampled:	5/15/14 15:29		
Lab Sample ID:	**1405309-12**	Sampled By:	Javier Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	2	Analyzed:	5/24/14 5:27	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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	**150**	2.0
79-00-5	1,1,2-Trichloroethane	<2.0	2.0
79-01-6	Trichloroethene	**110**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-20s**	Sampled:	5/15/14 15:29		
Lab Sample ID:	**1405309-12**	Sampled By:	Javier Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	2	Analyzed:	5/24/14 5:27	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	<2.0	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	*108*	*85-118*
1,2-Dichloroethane-d4	*110*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*103*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-20d**	Sampled:	5/15/14 16:52		
Lab Sample ID:	**1405309-13**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	2	Analyzed:	5/24/14 5:54	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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	**380**	2.0
156-60-5	trans-1,2-Dichloroethene	<2.0	2.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-20d**	Sampled:	5/15/14 16:52		
Lab Sample ID:	**1405309-13**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	2	Analyzed:	5/24/14 5:54	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

Volatile Organic Compounds by EPA Method 8260B (Continued)

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

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-20d**	Sampled:	5/15/14 16:52		
Lab Sample ID:	**1405309-13**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	2	Analyzed:	5/24/14 5:54	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**110**	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	*108*	*85-118*
1,2-Dichloroethane-d4	*111*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-25s**	Sampled:	5/16/14 6:30
Lab Sample ID:	**1405309-14**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/16/14 17:20
Unit:	ug/L	Prepared:	5/23/14 21:00 By: BAG
Dilution Factor:	1	Analyzed:	5/24/14 6:21 By: BAG
QC Batch:	1404972	Analytical Batch:	4E27030

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:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-25s**	Sampled:	5/16/14 6:30		
Lab Sample ID:	**1405309-14**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 6:21	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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	**20**	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**7.6**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-25s**	Sampled:	5/16/14 6:30		
Lab Sample ID:	**1405309-14**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/24/14 6:21	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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	*108*	*85-118*
1,2-Dichloroethane-d4	*110*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-38s**	Sampled:	5/16/14 7:42		
Lab Sample ID:	**1405309-15**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/27/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/27/14 16:50	By:	BAG
QC Batch:	1405028	Analytical Batch:	4E28011		

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	**7.5**	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	**12**	1.0
156-60-5	trans-1,2-Dichloroethene	**1.1**	1.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-38s**	Sampled:	5/16/14 7:42		
Lab Sample ID:	**1405309-15**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/27/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/27/14 16:50	By:	BAG
QC Batch:	1405028	Analytical Batch:	4E28011		

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	**13**	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**140**	1.0
75-69-4	Trichlorofluoromethane	<1.0	1.0
96-18-4	1,2,3-Trichloropropane	<1.0	1.0
95-63-6	1,2,4-Trimethylbenzene	<1.0	1.0
108-67-8	1,3,5-Trimethylbenzene	<1.0	1.0

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*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-38s**	Sampled:	5/16/14 7:42		
Lab Sample ID:	**1405309-15**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/27/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/27/14 16:50	By:	BAG
QC Batch:	1405028	Analytical Batch:	4E28011		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**6.7**	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	*108*	*85-118*
1,2-Dichloroethane-d4	*110*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*103*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-37s**	Sampled:	5/16/14 8:48
Lab Sample ID:	**1405309-16**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/16/14 17:20
Unit:	ug/L	Prepared:	5/23/14 21:00 By: BAG
Dilution Factor:	5	Analyzed:	5/24/14 7:15 By: BAG
QC Batch:	1404972	Analytical Batch:	4E27030

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:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-37s**	Sampled:	5/16/14 8:48		
Lab Sample ID:	**1405309-16**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	5	Analyzed:	5/24/14 7:15	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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	**5.6**	5.0
79-00-5	1,1,2-Trichloroethane	<5.0	5.0
79-01-6	Trichloroethene	**610**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-37s**	Sampled:	5/16/14 8:48		
Lab Sample ID:	**1405309-16**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	5	Analyzed:	5/24/14 7:15	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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	*107*	*85-118*
1,2-Dichloroethane-d4	*111*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-39s**	Sampled:	5/16/14 9:45
Lab Sample ID:	**1405309-17**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/16/14 17:20
Unit:	ug/L	Prepared:	5/23/14 21:00 By: BAG
Dilution Factor:	5	Analyzed:	5/24/14 7:43 By: BAG
QC Batch:	1404972	Analytical Batch:	4E27030

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	**79**	5.0
107-06-2	1,2-Dichloroethane	<5.0	5.0
75-35-4	1,1-Dichloroethene	**21**	5.0
156-59-2	cis-1,2-Dichloroethene	**50**	5.0
156-60-5	trans-1,2-Dichloroethene	**5.6**	5.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-39s**	Sampled:	5/16/14 9:45
Lab Sample ID:	**1405309-17**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/16/14 17:20
Unit:	ug/L	Prepared:	5/23/14 21:00 By: BAG
Dilution Factor:	5	Analyzed:	5/24/14 7:43 By: BAG
QC Batch:	1404972	Analytical Batch:	4E27030

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	**120**	5.0
79-00-5	1,1,2-Trichloroethane	<5.0	5.0
79-01-6	Trichloroethene	**960**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-39s**	Sampled:	5/16/14 9:45		
Lab Sample ID:	**1405309-17**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	5	Analyzed:	5/24/14 7:43	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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	*109*	*85-118*
1,2-Dichloroethane-d4	*110*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*104*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**TB-01**	Sampled:	5/16/14 0:00		
Lab Sample ID:	**1405309-18**	Sampled By:	TML		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/23/14 23:59	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**TB-01**	Sampled:	5/16/14 0:00		
Lab Sample ID:	**1405309-18**	Sampled By:	TML		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/23/14 23:59	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405309**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**TB-01**	Sampled:	5/16/14 0:00		
Lab Sample ID:	**1405309-18**	Sampled By:	TML		
Matrix:	Water	Received:	5/16/14 17:20		
Unit:	ug/L	Prepared:	5/23/14 21:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/23/14 23:59	By:	BAG
QC Batch:	1404972	Analytical Batch:	4E27030		

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	*105*	*85-118*
1,2-Dichloroethane-d4	*105*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*100*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**TB-02**	Sampled:	5/19/14 0:00
Lab Sample ID:	**1405399-01**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/29/14 14:00 By: DLV
Dilution Factor:	1	Analyzed:	5/29/14 17:05 By: DLV
QC Batch:	1405143	Analytical Batch:	4E30024

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**TB-02**	Sampled:	5/19/14 0:00
Lab Sample ID:	**1405399-01**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/29/14 14:00 By: DLV
Dilution Factor:	1	Analyzed:	5/29/14 17:05 By: DLV
QC Batch:	1405143	Analytical Batch:	4E30024

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**TB-02**	Sampled:	5/19/14 0:00		
Lab Sample ID:	**1405399-01**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/29/14 17:05	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	*101*	*85-118*
1,2-Dichloroethane-d4	*102*	*87-122*
Toluene-d8	*97*	*85-113*
4-Bromofluorobenzene	*92*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-4s**	Sampled:	5/19/14 6:56
Lab Sample ID:	**1405399-02**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/29/14 14:00 By: DLV
Dilution Factor:	50	Analyzed:	5/29/14 17:58 By: DLV
QC Batch:	1405143	Analytical Batch:	4E30024

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	**1100**	50
156-60-5	trans-1,2-Dichloroethene	<50	50

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-4s**	Sampled:	5/19/14 6:56
Lab Sample ID:	**1405399-02**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/29/14 14:00 By: DLV
Dilution Factor:	50	Analyzed:	5/29/14 17:58 By: DLV
QC Batch:	1405143	Analytical Batch:	4E30024

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	**3900**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-4s**	Sampled:	5/19/14 6:56		
Lab Sample ID:	**1405399-02**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	50	Analyzed:	5/29/14 17:58	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**56**	50
179601-23-1	Xylene, Meta + Para	<100	100
95-47-6	Xylene, Ortho	<50	50

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*101*	*85-118*
1,2-Dichloroethane-d4	*100*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*93*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-34s**	Sampled:	5/19/14 7:45
Lab Sample ID:	**1405399-03**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/29/14 14:00 By: DLV
Dilution Factor:	5	Analyzed:	5/29/14 18:25 By: DLV
QC Batch:	1405143	Analytical Batch:	4E30024

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	**5.6**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-34s**	Sampled:	5/19/14 7:45		
Lab Sample ID:	**1405399-03**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	5	Analyzed:	5/29/14 18:25	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	**690**	5.0
79-00-5	1,1,2-Trichloroethane	<5.0	5.0
79-01-6	Trichloroethene	**730**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-34s**	Sampled:	5/19/14 7:45		
Lab Sample ID:	**1405399-03**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	5	Analyzed:	5/29/14 18:25	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	*103*	*85-118*
1,2-Dichloroethane-d4	*104*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*95*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-3s**	Sampled:	5/19/14 8:36		
Lab Sample ID:	**1405399-04**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	20	Analyzed:	5/29/14 18:52	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	**1500**	20
156-60-5	trans-1,2-Dichloroethene	**99**	20

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-3s**	Sampled:	5/19/14 8:36		
Lab Sample ID:	**1405399-04**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	20	Analyzed:	5/29/14 18:52	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

Volatile Organic Compounds by EPA Method 8260B (Continued)

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

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-3s**	Sampled:	5/19/14 8:36		
Lab Sample ID:	**1405399-04**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	20	Analyzed:	5/29/14 18:52	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**150**	20
179601-23-1	Xylene, Meta + Para	<40	40
95-47-6	Xylene, Ortho	<20	20

Surrogates:	*% Recovery*	*Control Limits*
Dibromofluoromethane	*100*	*85-118*
1,2-Dichloroethane-d4	*100*	*87-122*
Toluene-d8	*95*	*85-113*
4-Bromofluorobenzene	*93*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**NS-18i**	Sampled:	5/19/14 9:45		
Lab Sample ID:	**1405399-05**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	20	Analyzed:	5/29/14 19:19	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	**560**	20
156-60-5	trans-1,2-Dichloroethene	**110**	20

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**NS-18i**	Sampled:	5/19/14 9:45		
Lab Sample ID:	**1405399-05**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	20	Analyzed:	5/29/14 19:19	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	**1700**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**NS-18i**	Sampled:	5/19/14 9:45		
Lab Sample ID:	**1405399-05**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	20	Analyzed:	5/29/14 19:19	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**37**	20
179601-23-1	Xylene, Meta + Para	<40	40
95-47-6	Xylene, Ortho	<20	20

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*104*	*85-118*
1,2-Dichloroethane-d4	*102*	*87-122*
Toluene-d8	*97*	*85-113*
4-Bromofluorobenzene	*94*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-33s**	Sampled:	5/19/14 10:39		
Lab Sample ID:	**1405399-06**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/29/14 19:46	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	**7.4**	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	**12**	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	**21**	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-33s**	Sampled:	5/19/14 10:39		
Lab Sample ID:	**1405399-06**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/29/14 19:46	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	**70**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-33s**	Sampled:	5/19/14 10:39		
Lab Sample ID:	**1405399-06**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/29/14 19:46	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**63**	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	*98*	*85-118*
1,2-Dichloroethane-d4	*102*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*94*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-32s**	Sampled:	5/19/14 12:08		
Lab Sample ID:	**1405399-07**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/29/14 20:14	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	**7.7**	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-32s**	Sampled:	5/19/14 12:08		
Lab Sample ID:	**1405399-07**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/29/14 20:14	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	**20**	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**130**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-32s**	Sampled:	5/19/14 12:08		
Lab Sample ID:	**1405399-07**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/29/14 20:14	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	*100*	*85-118*
1,2-Dichloroethane-d4	*102*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*92*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**Dup-01**	Sampled:	5/19/14 0:00		
Lab Sample ID:	**1405399-08**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/29/14 20:41	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	**2.1**	1.0
156-60-5	trans-1,2-Dichloroethene	**3.0**	1.0

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**Dup-01**	Sampled:	5/19/14 0:00		
Lab Sample ID:	**1405399-08**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/29/14 20:41	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	**51**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**Dup-01**	Sampled:	5/19/14 0:00		
Lab Sample ID:	**1405399-08**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/29/14 20:41	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	*103*	*85-118*
1,2-Dichloroethane-d4	*106*	*87-122*
Toluene-d8	*97*	*85-113*
4-Bromofluorobenzene	*93*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-32d**	Sampled:	5/19/14 13:19		
Lab Sample ID:	**1405399-09**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/29/14 21:08	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	**1.8**	1.0
156-60-5	trans-1,2-Dichloroethene	**3.0**	1.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-32d**	Sampled:	5/19/14 13:19		
Lab Sample ID:	**1405399-09**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/29/14 21:08	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	**49**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-32d**	Sampled:	5/19/14 13:19		
Lab Sample ID:	**1405399-09**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/29/14 21:08	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	*102*	*85-118*
1,2-Dichloroethane-d4	*102*	*87-122*
Toluene-d8	*95*	*85-113*
4-Bromofluorobenzene	*93*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**EB-03**	Sampled:	5/19/14 13:45		
Lab Sample ID:	**1405399-10**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/29/14 21:35	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**EB-03**	Sampled:	5/19/14 13:45		
Lab Sample ID:	**1405399-10**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/29/14 21:35	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**EB-03**	Sampled:	5/19/14 13:45		
Lab Sample ID:	**1405399-10**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/29/14 21:35	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	*102*	*85-118*
1,2-Dichloroethane-d4	*106*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*93*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-4i**	Sampled:	5/19/14 14:36		
Lab Sample ID:	**1405399-11**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	50	Analyzed:	5/29/14 22:03	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	**3300**	50
156-60-5	trans-1,2-Dichloroethene	**100**	50

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-4i**	Sampled:	5/19/14 14:36		
Lab Sample ID:	**1405399-11**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	50	Analyzed:	5/29/14 22:03	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	**4600**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-4i**	Sampled:	5/19/14 14:36		
Lab Sample ID:	**1405399-11**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	50	Analyzed:	5/29/14 22:03	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**56**	50
179601-23-1	Xylene, Meta + Para	<100	100
95-47-6	Xylene, Ortho	<50	50

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*102*	*85-118*
1,2-Dichloroethane-d4	*103*	*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:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-2s**	Sampled:	5/19/14 15:49		
Lab Sample ID:	**1405399-12**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	2.5	Analyzed:	5/29/14 22:30	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	<2.5	2.5
156-60-5	trans-1,2-Dichloroethene	<2.5	2.5

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-2s**	Sampled:	5/19/14 15:49		
Lab Sample ID:	**1405399-12**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	2.5	Analyzed:	5/29/14 22:30	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	**3.1**	2.5
79-00-5	1,1,2-Trichloroethane	<2.5	2.5
79-01-6	Trichloroethene	**280**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-2s**	Sampled:	5/19/14 15:49		
Lab Sample ID:	**1405399-12**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	2.5	Analyzed:	5/29/14 22:30	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	*103*	*85-118*
1,2-Dichloroethane-d4	*105*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*93*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**Dup-03**	Sampled:	5/19/14 0:00		
Lab Sample ID:	**1405399-13**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	10	Analyzed:	5/29/14 22:57	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	**19**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**Dup-03**	Sampled:	5/19/14 0:00
Lab Sample ID:	**1405399-13**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/29/14 14:00 By: DLV
Dilution Factor:	10	Analyzed:	5/29/14 22:57 By: DLV
QC Batch:	1405143	Analytical Batch:	4E30024

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	**64**	10
79-00-5	1,1,2-Trichloroethane	<10	10
79-01-6	Trichloroethene	**1100**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**Dup-03**	Sampled:	5/19/14 0:00		
Lab Sample ID:	**1405399-13**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	10	Analyzed:	5/29/14 22:57	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	*103*	*85-118*
1,2-Dichloroethane-d4	*103*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*90*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-21**	Sampled:	5/19/14 16:33		
Lab Sample ID:	**1405399-14**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	10	Analyzed:	5/29/14 23:24	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	**20**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-21**	Sampled:	5/19/14 16:33		
Lab Sample ID:	**1405399-14**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	10	Analyzed:	5/29/14 23:24	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	**62**	10
79-00-5	1,1,2-Trichloroethane	<10	10
79-01-6	Trichloroethene	**1100**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-21**	Sampled:	5/19/14 16:33		
Lab Sample ID:	**1405399-14**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	10	Analyzed:	5/29/14 23:24	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	*103*	*85-118*
1,2-Dichloroethane-d4	*106*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*92*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**EB-02**	Sampled:	5/20/14 5:55		
Lab Sample ID:	**1405399-15**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/29/14 17:31	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**EB-02**	Sampled:	5/20/14 5:55		
Lab Sample ID:	**1405399-15**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/29/14 17:31	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**EB-02**	Sampled:	5/20/14 5:55
Lab Sample ID:	**1405399-15**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/29/14 14:00 By: DLV
Dilution Factor:	1	Analyzed:	5/29/14 17:31 By: DLV
QC Batch:	1405143	Analytical Batch:	4E30024

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	*101*	*85-118*
1,2-Dichloroethane-d4	*101*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*95*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-35d**	Sampled:	5/20/14 6:37		
Lab Sample ID:	**1405399-16**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/29/14 23:51	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	**22**	1.0
156-60-5	trans-1,2-Dichloroethene	**3.0**	1.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-35d**	Sampled:	5/20/14 6:37		
Lab Sample ID:	**1405399-16**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/29/14 23:51	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

Volatile Organic Compounds by EPA Method 8260B (Continued)

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

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-35d**	Sampled:	5/20/14 6:37		
Lab Sample ID:	**1405399-16**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/29/14 23:51	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	*103*	*85-118*
1,2-Dichloroethane-d4	*106*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*93*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**NS-18s**	Sampled:	5/20/14 7:55
Lab Sample ID:	**1405399-17**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/29/14 14:00 By: DLV
Dilution Factor:	10	Analyzed:	5/30/14 0:18 By: DLV
QC Batch:	1405143	Analytical Batch:	4E30024

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	**20**	10
107-06-2	1,2-Dichloroethane	<10	10
75-35-4	1,1-Dichloroethene	<10	10
156-59-2	cis-1,2-Dichloroethene	**120**	10
156-60-5	trans-1,2-Dichloroethene	**11**	10

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**NS-18s**	Sampled:	5/20/14 7:55
Lab Sample ID:	**1405399-17**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/29/14 14:00 By: DLV
Dilution Factor:	10	Analyzed:	5/30/14 0:18 By: DLV
QC Batch:	1405143	Analytical Batch:	4E30024

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	**17**	10
79-00-5	1,1,2-Trichloroethane	<10	10
79-01-6	Trichloroethene	**790**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**NS-18s**	Sampled:	5/20/14 7:55		
Lab Sample ID:	**1405399-17**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	10	Analyzed:	5/30/14 0:18	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	*102*	*85-118*
1,2-Dichloroethane-d4	*105*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*91*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**NS-18d**	Sampled:	5/20/14 8:55		
Lab Sample ID:	**1405399-18**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	2	Analyzed:	5/30/14 0:45	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	**180**	2.0
156-60-5	trans-1,2-Dichloroethene	**30**	2.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**NS-18d**	Sampled:	5/20/14 8:55		
Lab Sample ID:	**1405399-18**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	2	Analyzed:	5/30/14 0:45	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

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	**20**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**NS-18d**	Sampled:	5/20/14 8:55		
Lab Sample ID:	**1405399-18**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/29/14 14:00	By:	DLV
Dilution Factor:	2	Analyzed:	5/30/14 0:45	By:	DLV
QC Batch:	1405143	Analytical Batch:	4E30024		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**4.1**	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	*102*	*85-118*
1,2-Dichloroethane-d4	*100*	*87-122*
Toluene-d8	*95*	*85-113*
4-Bromofluorobenzene	*91*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**NS-20s**	Sampled:	5/20/14 10:08		
Lab Sample ID:	**1405399-19**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	20	Analyzed:	5/30/14 10:47	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	**160**	20
156-60-5	trans-1,2-Dichloroethene	<20	20

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ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**NS-20s**	Sampled:	5/20/14 10:08		
Lab Sample ID:	**1405399-19**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	20	Analyzed:	5/30/14 10:47	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	**500**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**NS-20s**	Sampled:	5/20/14 10:08		
Lab Sample ID:	**1405399-19**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	20	Analyzed:	5/30/14 10:47	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**36**	20
179601-23-1	Xylene, Meta + Para	<40	40
95-47-6	Xylene, Ortho	<20	20

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*103*	*85-118*
1,2-Dichloroethane-d4	*99*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*93*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**NS-20i**	Sampled:	5/20/14 10:55		
Lab Sample ID:	**1405399-20**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/30/14 11:13	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	**12**	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	**1.6**	1.0
156-59-2	cis-1,2-Dichloroethene	**12**	1.0
156-60-5	trans-1,2-Dichloroethene	**1.3**	1.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**NS-20i**	Sampled:	5/20/14 10:55		
Lab Sample ID:	**1405399-20**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/30/14 11:13	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	**10**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**NS-20i**	Sampled:	5/20/14 10:55		
Lab Sample ID:	**1405399-20**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/30/14 11:13	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**42**	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	*102*	*85-118*
1,2-Dichloroethane-d4	*105*	*87-122*
Toluene-d8	*97*	*85-113*
4-Bromofluorobenzene	*94*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**NS-19s**	Sampled:	5/20/14 11:46		
Lab Sample ID:	**1405399-21**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	2	Analyzed:	5/30/14 11:40	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	**7.9**	2.0
107-06-2	1,2-Dichloroethane	<2.0	2.0
75-35-4	1,1-Dichloroethene	**4.6**	2.0
156-59-2	cis-1,2-Dichloroethene	**160**	2.0
156-60-5	trans-1,2-Dichloroethene	**2.8**	2.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**NS-19s**	Sampled:	5/20/14 11:46		
Lab Sample ID:	**1405399-21**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	2	Analyzed:	5/30/14 11:40	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	**4.9**	2.0
79-00-5	1,1,2-Trichloroethane	<2.0	2.0
79-01-6	Trichloroethene	**150**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**NS-19s**	Sampled:	5/20/14 11:46		
Lab Sample ID:	**1405399-21**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	2	Analyzed:	5/30/14 11:40	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**140**	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	*101*	*85-118*
1,2-Dichloroethane-d4	*99*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*91*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**NS-19i**	Sampled:	5/20/14 13:10		
Lab Sample ID:	**1405399-22**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	5	Analyzed:	5/30/14 12:06	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	**80**	5.0
156-60-5	trans-1,2-Dichloroethene	**22**	5.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**NS-19i**	Sampled:	5/20/14 13:10		
Lab Sample ID:	**1405399-22**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	5	Analyzed:	5/30/14 12:06	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	**490**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**NS-19i**	Sampled:	5/20/14 13:10		
Lab Sample ID:	**1405399-22**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	5	Analyzed:	5/30/14 12:06	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	*104*	*85-118*
1,2-Dichloroethane-d4	*102*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*92*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**NS-19d**	Sampled:	5/20/14 13:55
Lab Sample ID:	**1405399-23**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/30/14 8:00 By: DLV
Dilution Factor:	1	Analyzed:	5/30/14 12:33 By: DLV
QC Batch:	1405232	Analytical Batch:	4F02021

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	**1.3**	1.0
156-60-5	trans-1,2-Dichloroethene	**2.4**	1.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**NS-19d**	Sampled:	5/20/14 13:55
Lab Sample ID:	**1405399-23**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/30/14 8:00 By: DLV
Dilution Factor:	1	Analyzed:	5/30/14 12:33 By: DLV
QC Batch:	1405232	Analytical Batch:	4F02021

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	**23**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**NS-19d**	Sampled:	5/20/14 13:55		
Lab Sample ID:	**1405399-23**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/30/14 12:33	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	*102*	*85-118*
1,2-Dichloroethane-d4	*103*	*87-122*
Toluene-d8	*97*	*85-113*
4-Bromofluorobenzene	*91*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**SS-09s**	Sampled:	5/20/14 15:15
Lab Sample ID:	**1405399-24**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/30/14 8:00 By: DLV
Dilution Factor:	5	Analyzed:	5/30/14 12:59 By: DLV
QC Batch:	1405232	Analytical Batch:	4F02021

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**SS-09s**	Sampled:	5/20/14 15:15		
Lab Sample ID:	**1405399-24**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	5	Analyzed:	5/30/14 12:59	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	**13**	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	**370**	5.0
79-00-5	1,1,2-Trichloroethane	<5.0	5.0
79-01-6	Trichloroethene	**330**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**SS-09s**	Sampled:	5/20/14 15:15		
Lab Sample ID:	**1405399-24**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	5	Analyzed:	5/30/14 12:59	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	*104*	*85-118*
1,2-Dichloroethane-d4	*104*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*93*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**Dup-04**	Sampled:	5/20/14 0:00
Lab Sample ID:	**1405399-25**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/30/14 8:00 By: DLV
Dilution Factor:	5	Analyzed:	5/30/14 13:26 By: DLV
QC Batch:	1405232	Analytical Batch:	4F02021

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**Dup-04**	Sampled:	5/20/14 0:00		
Lab Sample ID:	**1405399-25**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	5	Analyzed:	5/30/14 13:26	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	**13**	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	**380**	5.0
79-00-5	1,1,2-Trichloroethane	<5.0	5.0
79-01-6	Trichloroethene	**330**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**Dup-04**	Sampled:	5/20/14 0:00		
Lab Sample ID:	**1405399-25**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	5	Analyzed:	5/30/14 13:26	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	*104*	*85-118*
1,2-Dichloroethane-d4	*102*	*87-122*
Toluene-d8	*97*	*85-113*
4-Bromofluorobenzene	*92*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**SS-09i**	Sampled:	5/20/14 16:22		
Lab Sample ID:	**1405399-26**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/30/14 13:53	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	**7.1**	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	**32**	1.0
156-60-5	trans-1,2-Dichloroethene	**5.3**	1.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**SS-09i**	Sampled:	5/20/14 16:22
Lab Sample ID:	**1405399-26**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/30/14 8:00 By: DLV
Dilution Factor:	1	Analyzed:	5/30/14 13:53 By: DLV
QC Batch:	1405232	Analytical Batch:	4F02021

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	**2.2**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**SS-09i**	Sampled:	5/20/14 16:22		
Lab Sample ID:	**1405399-26**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/30/14 13:53	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	*103*	*85-118*
1,2-Dichloroethane-d4	*101*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*89*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**SS-10s**	Sampled:	5/21/14 6:32
Lab Sample ID:	**1405399-27**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/30/14 8:00 By: DLV
Dilution Factor:	5	Analyzed:	5/30/14 14:19 By: DLV
QC Batch:	1405232	Analytical Batch:	4F02021

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**SS-10s**	Sampled:	5/21/14 6:32
Lab Sample ID:	**1405399-27**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/30/14 8:00 By: DLV
Dilution Factor:	5	Analyzed:	5/30/14 14:19 By: DLV
QC Batch:	1405232	Analytical Batch:	4F02021

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	**80**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**SS-10s**	Sampled:	5/21/14 6:32		
Lab Sample ID:	**1405399-27**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	5	Analyzed:	5/30/14 14:19	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	*104*	*85-118*
1,2-Dichloroethane-d4	*103*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*91*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**SS-10i**	Sampled:	5/21/14 7:21		
Lab Sample ID:	**1405399-28**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/30/14 14:45	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	**7.2**	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**25**	1.0
156-60-5	trans-1,2-Dichloroethene	**1.9**	1.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**SS-10i**	Sampled:	5/21/14 7:21
Lab Sample ID:	**1405399-28**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/30/14 8:00 By: DLV
Dilution Factor:	1	Analyzed:	5/30/14 14:45 By: DLV
QC Batch:	1405232	Analytical Batch:	4F02021

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	**54**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**SS-10i**	Sampled:	5/21/14 7:21		
Lab Sample ID:	**1405399-28**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/30/14 14:45	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	*102*	*85-118*
1,2-Dichloroethane-d4	*102*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*91*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**SS-10d**	Sampled:	5/21/14 8:19
Lab Sample ID:	**1405399-29**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/30/14 8:00 By: DLV
Dilution Factor:	1	Analyzed:	5/30/14 15:12 By: DLV
QC Batch:	1405232	Analytical Batch:	4F02021

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	**17**	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**SS-10d**	Sampled:	5/21/14 8:19		
Lab Sample ID:	**1405399-29**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/30/14 15:12	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**SS-10d**	Sampled:	5/21/14 8:19
Lab Sample ID:	**1405399-29**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/30/14 8:00 By: DLV
Dilution Factor:	1	Analyzed:	5/30/14 15:12 By: DLV
QC Batch:	1405232	Analytical Batch:	4F02021

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	*103*	*85-118*
1,2-Dichloroethane-d4	*101*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*91*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-35i**	Sampled:	5/21/14 9:08
Lab Sample ID:	**1405399-30**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/30/14 8:00 By: DLV
Dilution Factor:	50	Analyzed:	5/30/14 15:38 By: DLV
QC Batch:	1405232	Analytical Batch:	4F02021

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	**140**	50
156-59-2	cis-1,2-Dichloroethene	**50**	50
156-60-5	trans-1,2-Dichloroethene	<50	50

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-35i**	Sampled:	5/21/14 9:08
Lab Sample ID:	**1405399-30**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/30/14 8:00 By: DLV
Dilution Factor:	50	Analyzed:	5/30/14 15:38 By: DLV
QC Batch:	1405232	Analytical Batch:	4F02021

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	**5300**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-35i**	Sampled:	5/21/14 9:08		
Lab Sample ID:	**1405399-30**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	50	Analyzed:	5/30/14 15:38	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	*104*	*85-118*
1,2-Dichloroethane-d4	*99*	*87-122*
Toluene-d8	*97*	*85-113*
4-Bromofluorobenzene	*95*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-01s**	Sampled:	5/21/14 10:05
Lab Sample ID:	**1405399-31**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/30/14 8:00 By: DLV
Dilution Factor:	10	Analyzed:	5/30/14 16:05 By: DLV
QC Batch:	1405232	Analytical Batch:	4F02021

Volatile Organic Compounds by EPA Method 8260B

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

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-01s**	Sampled:	5/21/14 10:05
Lab Sample ID:	**1405399-31**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/30/14 8:00 By: DLV
Dilution Factor:	10	Analyzed:	5/30/14 16:05 By: DLV
QC Batch:	1405232	Analytical Batch:	4F02021

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	**370**	10
79-00-5	1,1,2-Trichloroethane	<10	10
79-01-6	Trichloroethene	**1500**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-01s**	Sampled:	5/21/14 10:05		
Lab Sample ID:	**1405399-31**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	10	Analyzed:	5/30/14 16:05	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	*104*	*85-118*
1,2-Dichloroethane-d4	*101*	*87-122*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*90*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-36d**	Sampled:	5/21/14 11:24		
Lab Sample ID:	**1405399-32**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/30/14 16:31	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-36d**	Sampled:	5/21/14 11:24
Lab Sample ID:	**1405399-32**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/30/14 8:00 By: DLV
Dilution Factor:	1	Analyzed:	5/30/14 16:31 By: DLV
QC Batch:	1405232	Analytical Batch:	4F02021

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-36d**	Sampled:	5/21/14 11:24		
Lab Sample ID:	**1405399-32**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/30/14 16:31	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	*103*	*85-118*
1,2-Dichloroethane-d4	*104*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*93*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-39d**	Sampled:	5/21/14 12:37
Lab Sample ID:	**1405399-33**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/30/14 8:00 By: DLV
Dilution Factor:	1	Analyzed:	5/30/14 16:57 By: DLV
QC Batch:	1405232	Analytical Batch:	4F02021

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	**2.0**	1.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-39d**	Sampled:	5/21/14 12:37
Lab Sample ID:	**1405399-33**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/30/14 8:00 By: DLV
Dilution Factor:	1	Analyzed:	5/30/14 16:57 By: DLV
QC Batch:	1405232	Analytical Batch:	4F02021

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-39d**	Sampled:	5/21/14 12:37		
Lab Sample ID:	**1405399-33**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/30/14 16:57	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	*103*	*85-118*
1,2-Dichloroethane-d4	*101*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*91*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-34d**	Sampled:	5/21/14 13:35
Lab Sample ID:	**1405399-34**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/30/14 8:00 By: DLV
Dilution Factor:	1	Analyzed:	5/30/14 17:24 By: DLV
QC Batch:	1405232	Analytical Batch:	4F02021

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-34d**	Sampled:	5/21/14 13:35
Lab Sample ID:	**1405399-34**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/30/14 8:00 By: DLV
Dilution Factor:	1	Analyzed:	5/30/14 17:24 By: DLV
QC Batch:	1405232	Analytical Batch:	4F02021

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-34d**	Sampled:	5/21/14 13:35		
Lab Sample ID:	**1405399-34**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/30/14 17:24	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	*101*	*85-118*
1,2-Dichloroethane-d4	*104*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*93*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-8d**	Sampled:	5/21/14 14:38
Lab Sample ID:	**1405399-35**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/30/14 8:00 By: DLV
Dilution Factor:	1	Analyzed:	5/30/14 17:50 By: DLV
QC Batch:	1405232	Analytical Batch:	4F02021

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-8d**	Sampled:	5/21/14 14:38		
Lab Sample ID:	**1405399-35**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/30/14 17:50	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-8d**	Sampled:	5/21/14 14:38		
Lab Sample ID:	**1405399-35**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/30/14 17:50	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	*104*	*85-118*
1,2-Dichloroethane-d4	*102*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*90*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-40s**	Sampled:	5/21/14 16:05
Lab Sample ID:	**1405399-36**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/30/14 8:00 By: DLV
Dilution Factor:	1	Analyzed:	5/30/14 18:16 By: DLV
QC Batch:	1405232	Analytical Batch:	4F02021

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**MW-40s**	Sampled:	5/21/14 16:05
Lab Sample ID:	**1405399-36**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/22/14 17:50
Unit:	ug/L	Prepared:	5/30/14 8:00 By: DLV
Dilution Factor:	1	Analyzed:	5/30/14 18:16 By: DLV
QC Batch:	1405232	Analytical Batch:	4F02021

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405399**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-40s**	Sampled:	5/21/14 16:05		
Lab Sample ID:	**1405399-36**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/22/14 17:50		
Unit:	ug/L	Prepared:	5/30/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/30/14 18:16	By:	DLV
QC Batch:	1405232	Analytical Batch:	4F02021		

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	*102*	*85-118*
1,2-Dichloroethane-d4	*104*	*87-122*
Toluene-d8	*95*	*85-113*
4-Bromofluorobenzene	*91*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-14d**	Sampled:	5/22/14 6:15		
Lab Sample ID:	**1405461-01**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 12:57	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-14d**	Sampled:	5/22/14 6:15		
Lab Sample ID:	**1405461-01**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 12:57	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-14d**	Sampled:	5/22/14 6:15		
Lab Sample ID:	**1405461-01**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 12:57	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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	*102*	*85-118*
1,2-Dichloroethane-d4	*103*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*100*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**DUP-02**	Sampled:	5/22/14 0:00
Lab Sample ID:	**1405461-02**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/28/14 19:30
Unit:	ug/L	Prepared:	6/2/14 9:00 By: BAG
Dilution Factor:	1	Analyzed:	6/2/14 13:52 By: BAG
QC Batch:	1405305	Analytical Batch:	4F03033

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**DUP-02**	Sampled:	5/22/14 0:00
Lab Sample ID:	**1405461-02**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/28/14 19:30
Unit:	ug/L	Prepared:	6/2/14 9:00 By: BAG
Dilution Factor:	1	Analyzed:	6/2/14 13:52 By: BAG
QC Batch:	1405305	Analytical Batch:	4F03033

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**DUP-02**	Sampled:	5/22/14 0:00		
Lab Sample ID:	**1405461-02**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 13:52	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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	*101*	*85-118*
1,2-Dichloroethane-d4	*102*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*100*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**TB-03**	Sampled:	5/22/14 0:00
Lab Sample ID:	**1405461-03**	Sampled By:	TML
Matrix:	Water	Received:	5/28/14 19:30
Unit:	ug/L	Prepared:	6/2/14 9:00 By: BAG
Dilution Factor:	1	Analyzed:	6/2/14 11:35 By: BAG
QC Batch:	1405305	Analytical Batch:	4F03033

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**TB-03**	Sampled:	5/22/14 0:00		
Lab Sample ID:	**1405461-03**	Sampled By:	TML		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 11:35	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**TB-03**	Sampled:	5/22/14 0:00		
Lab Sample ID:	**1405461-03**	Sampled By:	TML		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 11:35	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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	*101*	*85-118*
1,2-Dichloroethane-d4	*102*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*101*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**Seep**	Sampled:	5/22/14 6:25
Lab Sample ID:	**1405461-04**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/28/14 19:30
Unit:	ug/L	Prepared:	6/2/14 9:00 By: BAG
Dilution Factor:	1	Analyzed:	6/2/14 14:20 By: BAG
QC Batch:	1405305	Analytical Batch:	4F03033

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services
Client Sample ID:	**Seep**	Sampled:	5/22/14 6:25
Lab Sample ID:	**1405461-04**	Sampled By:	J. Jasso
Matrix:	Water	Received:	5/28/14 19:30
Unit:	ug/L	Prepared:	6/2/14 9:00 By: BAG
Dilution Factor:	1	Analyzed:	6/2/14 14:20 By: BAG
QC Batch:	1405305	Analytical Batch:	4F03033

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**Seep**	Sampled:	5/22/14 6:25		
Lab Sample ID:	**1405461-04**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 14:20	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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	*102*	*85-118*
1,2-Dichloroethane-d4	*102*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*100*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-40d**	Sampled:	5/22/14 7:48		
Lab Sample ID:	**1405461-05**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 14:47	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-40d**	Sampled:	5/22/14 7:48		
Lab Sample ID:	**1405461-05**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 14:47	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-40d**	Sampled:	5/22/14 7:48		
Lab Sample ID:	**1405461-05**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 14:47	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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	*102*	*85-118*
1,2-Dichloroethane-d4	*102*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-38d**	Sampled:	5/22/14 8:53		
Lab Sample ID:	**1405461-06**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 15:14	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-38d**	Sampled:	5/22/14 8:53		
Lab Sample ID:	**1405461-06**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 15:14	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-38d**	Sampled:	5/22/14 8:53		
Lab Sample ID:	**1405461-06**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 15:14	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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	*103*	*85-118*
1,2-Dichloroethane-d4	*103*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*100*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**WL-01**	Sampled:	5/22/14 9:38		
Lab Sample ID:	**1405461-07**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 15:42	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**WL-01**	Sampled:	5/22/14 9:38		
Lab Sample ID:	**1405461-07**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 15:42	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**WL-01**	Sampled:	5/22/14 9:38		
Lab Sample ID:	**1405461-07**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 15:42	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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	*102*	*85-118*
1,2-Dichloroethane-d4	*102*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*101*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-17**	Sampled:	5/22/14 10:11		
Lab Sample ID:	**1405461-08**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 16:09	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-17**	Sampled:	5/22/14 10:11		
Lab Sample ID:	**1405461-08**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 16:09	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-17**	Sampled:	5/22/14 10:11		
Lab Sample ID:	**1405461-08**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 16:09	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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	*102*	*85-118*
1,2-Dichloroethane-d4	*102*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*101*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-31**	Sampled:	5/22/14 11:22		
Lab Sample ID:	**1405461-09**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	2.5	Analyzed:	6/2/14 12:30	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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	**16**	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	**34**	2.5
156-60-5	trans-1,2-Dichloroethene	<2.5	2.5

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-31**	Sampled:	5/22/14 11:22		
Lab Sample ID:	**1405461-09**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	2.5	Analyzed:	6/2/14 12:30	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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	**24**	2.5
79-00-5	1,1,2-Trichloroethane	<2.5	2.5
79-01-6	Trichloroethene	**280**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-31**	Sampled:	5/22/14 11:22		
Lab Sample ID:	**1405461-09**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	2.5	Analyzed:	6/2/14 12:30	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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	*101*	*85-118*
1,2-Dichloroethane-d4	*101*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*101*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-22**	Sampled:	5/22/14 12:23		
Lab Sample ID:	**1405461-10**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 16:37	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-22**	Sampled:	5/22/14 12:23		
Lab Sample ID:	**1405461-10**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 16:37	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-22**	Sampled:	5/22/14 12:23		
Lab Sample ID:	**1405461-10**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 16:37	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	**23**	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	*101*	*85-118*
1,2-Dichloroethane-d4	*101*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*101*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**EB-01**	Sampled:	5/22/14 12:35		
Lab Sample ID:	**1405461-11**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 17:04	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**EB-01**	Sampled:	5/22/14 12:35		
Lab Sample ID:	**1405461-11**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 17:04	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**EB-01**	Sampled:	5/22/14 12:35		
Lab Sample ID:	**1405461-11**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 17:04	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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	*101*	*85-118*
1,2-Dichloroethane-d4	*102*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*101*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-27s**	Sampled:	5/22/14 13:30		
Lab Sample ID:	**1405461-12**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 17:32	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-27s**	Sampled:	5/22/14 13:30		
Lab Sample ID:	**1405461-12**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 17:32	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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	**1.6**	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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-27s**	Sampled:	5/22/14 13:30		
Lab Sample ID:	**1405461-12**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 17:32	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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	*101*	*85-118*
1,2-Dichloroethane-d4	*101*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-27d**	Sampled:	5/22/14 14:08		
Lab Sample ID:	**1405461-13**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 17:59	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-27d**	Sampled:	5/22/14 14:08		
Lab Sample ID:	**1405461-13**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 17:59	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-27d**	Sampled:	5/22/14 14:08		
Lab Sample ID:	**1405461-13**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 17:59	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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	*103*	*85-118*
1,2-Dichloroethane-d4	*104*	*87-122*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*100*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-10s**	Sampled:	5/22/14 14:48		
Lab Sample ID:	**1405461-14**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 18:27	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-10s**	Sampled:	5/22/14 14:48		
Lab Sample ID:	**1405461-14**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 18:27	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**TRC Companies. - Ann Arbor Office**	Work Order:	**1405461**		
Project:	Tecumseh Products Groundwater	Description:	Laboratory Services		
Client Sample ID:	**MW-10s**	Sampled:	5/22/14 14:48		
Lab Sample ID:	**1405461-14**	Sampled By:	J. Jasso		
Matrix:	Water	Received:	5/28/14 19:30		
Unit:	ug/L	Prepared:	6/2/14 9:00	By:	BAG
Dilution Factor:	1	Analyzed:	6/2/14 18:27	By:	BAG
QC Batch:	1405305	Analytical Batch:	4F03033		

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	*101*	*85-118*
1,2-Dichloroethane-d4	*104*	*87-122*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*102*	*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: 1404972 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 05/23/2014 By: BAG
Unit: ug/L Analytical Batch: 4E27030

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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Volatile Organic Compounds by EPA Method 8260B (Continued)

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

QC Batch: 1404972 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 05/23/2014 By: BAG

Unit: ug/L Analytical Batch: 4E27030

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			*103*	*85-118*		
1,2-Dichloroethane-d4			*106*	*87-122*		
Toluene-d8			*98*	*85-113*		

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Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 1404972 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Method Blank (Continued)					Analyzed:	05/23/2014		By: BAG
Unit: ug/L					Analytical Batch:	4E27030		
Surrogates (Continued):								
4-Bromofluorobenzene				*102*	*82-110*			
Laboratory Control Sample					Analyzed:	05/23/2014		By: BAG
Unit: ug/L					Analytical Batch:	4E27030		
Benzene		40.0	**41.4**	104	84-119	--		1.0
Chlorobenzene		40.0	**40.8**	102	84-118	--		1.0
1,1-Dichloroethene		40.0	**40.8**	102	77-123	--		1.0
Toluene		40.0	**42.0**	105	85-118	--		1.0
Trichloroethene		40.0	**44.3**	111	82-119	--		1.0
Surrogates:								
Dibromofluoromethane				*101*	*85-118*			
1,2-Dichloroethane-d4				*104*	*87-122*			
Toluene-d8				*102*	*85-113*			
4-Bromofluorobenzene				*99*	*82-110*			
Matrix Spike 1405309-12 MW-20s					Analyzed:	05/24/2014		By: BAG
Unit: ug/L					Analytical Batch:	4E27030		
Benzene	<2.0	80.0	**79.9**	100	80-129	--		2.0
Chlorobenzene	<2.0	80.0	**79.2**	99	80-121	--		2.0
1,1-Dichloroethene	<2.0	80.0	**80.5**	101	74-134	--		2.0
Toluene	<2.0	80.0	**80.5**	101	79-129	--		2.0
Trichloroethene	106	80.0	**182**	96	75-127	--		2.0
Surrogates:								
Dibromofluoromethane				*106*	*85-118*			
1,2-Dichloroethane-d4				*111*	*87-122*			
Toluene-d8				*102*	*85-113*			
4-Bromofluorobenzene				*105*	*82-110*			
Matrix Spike Duplicate 1405309-12 MW-20s					Analyzed:	05/24/2014		By: BAG
Unit: ug/L					Analytical Batch:	4E27030		
Benzene	<2.0	80.0	**83.7**	105	80-129	5	9	2.0

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Volatile Organic Compounds by EPA Method 8260B (Continued)

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

QC Batch: 1404972 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Matrix Spike Duplicate (Continued) 1405309-12 MW-20s — Analyzed: 05/24/2014 By: BAG
Unit: ug/L — Analytical Batch: 4E27030

Chlorobenzene	<2.0	80.0	**82.5**	103	80-121	4	8	2.0
1,1-Dichloroethene	<2.0	80.0	**86.3**	108	74-134	7	11	2.0
Toluene	<2.0	80.0	**84.5**	106	79-129	5	9	2.0
Trichloroethene	106	80.0	**191**	106	75-127	4	10	2.0
Surrogates:								
Dibromofluoromethane				*105*	*85-118*			
1,2-Dichloroethane-d4				*109*	*87-122*			
Toluene-d8				*102*	*85-113*			
4-Bromofluorobenzene				*103*	*82-110*			

QC Batch: 1405028 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank — Analyzed: 05/27/2014 By: BAG
Unit: ug/L — Analytical Batch: 4E28011

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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Volatile Organic Compounds by EPA Method 8260B (Continued)

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

QC Batch: 1405028 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 05/27/2014 By: BAG
Unit: ug/L Analytical Batch: 4E28011

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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Volatile Organic Compounds by EPA Method 8260B (Continued)

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

QC Batch: 1405028 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 05/27/2014 By: BAG
Unit: ug/L Analytical Batch: 4E28011

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			*103*	*85-118*		
1,2-Dichloroethane-d4			*103*	*87-122*		
Toluene-d8			*98*	*85-113*		
4-Bromofluorobenzene			*102*	*82-110*		

Laboratory Control Sample Analyzed: 05/27/2014 By: BAG
Unit: ug/L Analytical Batch: 4E28011

Benzene	40.0	**40.5**	101	84-119	--	1.0
Chlorobenzene	40.0	**40.4**	101	84-118	--	1.0
1,1-Dichloroethene	40.0	**40.7**	102	77-123	--	1.0
Toluene	40.0	**41.0**	102	85-118	--	1.0
Trichloroethene	40.0	**40.8**	102	82-119	--	1.0
Surrogates:						
Dibromofluoromethane			*102*	*85-118*		
1,2-Dichloroethane-d4			*101*	*87-122*		
Toluene-d8			*101*	*85-113*		
4-Bromofluorobenzene			*100*	*82-110*		

QC Batch: 1405143 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 05/29/2014 By: DLV
Unit: ug/L Analytical Batch: 4E30024

Acetone		<20			--	20

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Volatile Organic Compounds by EPA Method 8260B (Continued)

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

QC Batch: 1405143 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 05/29/2014 By: DLV

Unit: ug/L Analytical Batch: 4E30024

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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Volatile Organic Compounds by EPA Method 8260B (Continued)

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

QC Batch: 1405143 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 05/29/2014 By: DLV

Unit: ug/L Analytical Batch: 4E30024

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	**5.7**					--	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				*101*	*85-118*		
1,2-Dichloroethane-d4				*103*	*87-122*		
Toluene-d8				*98*	*85-113*		
4-Bromofluorobenzene				*93*	*82-110*		

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Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 1405143 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Laboratory Control Sample					Analyzed:	05/29/2014	By: DLV	
Unit: ug/L					Analytical Batch:	4E30024		
Benzene		40.0	**40.2**	101	84-119	--		1.0
Chlorobenzene		40.0	**39.4**	98	84-118	--		1.0
1,1-Dichloroethene		40.0	**39.8**	100	77-123	--		1.0
Toluene		40.0	**40.6**	102	85-118	--		1.0
Trichloroethene		40.0	**39.8**	99	82-119	--		1.0
Surrogates:								
Dibromofluoromethane				*98*	*85-118*			
1,2-Dichloroethane-d4				*101*	*87-122*			
Toluene-d8				*102*	*85-113*			
4-Bromofluorobenzene				*100*	*82-110*			
Matrix Spike 1405399-02 MW-4s					Analyzed:	05/30/2014	By: DLV	
Unit: ug/L					Analytical Batch:	4E30024		
Benzene	<50	2000	**1950**	98	80-129	--		50
Chlorobenzene	<50	2000	**1960**	98	80-121	--		50
1,1-Dichloroethene	<50	2000	**1950**	97	74-134	--		50
Toluene	<50	2000	**1950**	98	79-129	--		50
Trichloroethene	3920	2000	**5550**	81	75-127	--		50
Surrogates:								
Dibromofluoromethane				*99*	*85-118*			
1,2-Dichloroethane-d4				*100*	*87-122*			
Toluene-d8				*101*	*85-113*			
4-Bromofluorobenzene				*101*	*82-110*			
Matrix Spike Duplicate 1405399-02 MW-4s					Analyzed:	05/30/2014	By: DLV	
Unit: ug/L					Analytical Batch:	4E30024		
Benzene	<50	2000	**2030**	102	80-129	4	9	50
Chlorobenzene	<50	2000	**2020**	101	80-121	3	8	50
1,1-Dichloroethene	<50	2000	**1990**	99	74-134	2	11	50
Toluene	<50	2000	**2050**	102	79-129	5	9	50

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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: 1405143 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Matrix Spike Duplicate (Continued) 1405399-02 MW-4s					Analyzed:	05/30/2014	By: DLV	
Unit: ug/L					Analytical Batch:	4E30024		
Trichloroethene	3920	2000	**5720**	90	75-127	3	10	50
Surrogates:								
Dibromofluoromethane				*100*	*85-118*			
1,2-Dichloroethane-d4				*102*	*87-122*			
Toluene-d8				*102*	*85-113*			
4-Bromofluorobenzene				*101*	*82-110*			
QC Batch: 1405232 5030B Aqueous Purge & Trap/USEPA-8260B								
Method Blank					Analyzed:	05/30/2014	By: DLV	
Unit: ug/L					Analytical Batch:	4F02021		
Acetone			<20			--	20	
Acrylonitrile			<2.0				2.0	
Benzene			<1.0				1.0	
Bromobenzene			<1.0				1.0	
Bromochloromethane			<1.0				1.0	
Bromodichloromethane			<1.0				1.0	
Bromoform			<1.0				1.0	
Bromomethane			<5.0				5.0	
n-Butylbenzene			<1.0			--	1.0	
sec-Butylbenzene			<1.0				1.0	
tert-Butylbenzene			<1.0				1.0	
Carbon Disulfide			<1.0			--	1.0	
Carbon Tetrachloride			<1.0				1.0	
Chlorobenzene			<1.0				1.0	
Chloroethane			<5.0				5.0	
Chloroform			<1.0				1.0	
Chloromethane			<5.0				5.0	
1,2-Dibromo-3-chloropropane			<5.0				5.0	
Dibromochloromethane			<1.0				1.0	
1,2-Dibromoethane			<1.0				1.0	
Dibromomethane			<1.0				1.0	
trans-1,4-Dichloro-2-butene			<1.0				1.0	
1,2-Dichlorobenzene			<1.0				1.0	

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

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

QC Batch: 1405232 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 05/30/2014 By: DLV

Unit: ug/L Analytical Batch: 4F02021

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

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Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 1405232 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Method Blank (Continued)					Analyzed:		05/30/2014	By: DLV
Unit: ug/L					Analytical Batch:		4F02021	
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				*102*	*85-118*			
1,2-Dichloroethane-d4				*102*	*87-122*			
Toluene-d8				*97*	*85-113*			
4-Bromofluorobenzene				*93*	*82-110*			
Laboratory Control Sample					Analyzed:		05/30/2014	By: DLV
Unit: ug/L					Analytical Batch:		4F02021	
Benzene		40.0	**40.0**	100	84-119	--	1.0	
Chlorobenzene		40.0	**40.4**	101	84-118	--	1.0	
1,1-Dichloroethene		40.0	**38.4**	96	77-123	--	1.0	
Toluene		40.0	**39.9**	100	85-118	--	1.0	
Trichloroethene		40.0	**39.2**	98	82-119	--	1.0	
Surrogates:								
Dibromofluoromethane				*97*	*85-118*			
1,2-Dichloroethane-d4				*97*	*87-122*			
Toluene-d8				*101*	*85-113*			
4-Bromofluorobenzene				*101*	*82-110*			
Matrix Spike 1405399-34 MW-34d					Analyzed:		05/30/2014	By: DLV
Unit: ug/L					Analytical Batch:		4F02021	
Benzene	<1.0	40.0	**41.4**	104	80-129	--	1.0	
Chlorobenzene	<1.0	40.0	**41.2**	103	80-121	--	1.0	
1,1-Dichloroethene	<1.0	40.0	**41.2**	103	74-134	--	1.0	

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Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 1405232 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Matrix Spike (Continued) 1405399-34 MW-34d					Analyzed:	05/30/2014		By: DLV
Unit: ug/L					Analytical Batch:	4F02021		
Toluene	<1.0	40.0	**41.1**	103	79-129	--		1.0
Trichloroethene	1.12	40.0	**41.0**	100	75-127	--		1.0
Surrogates:								
Dibromofluoromethane				*98*	*85-118*			
1,2-Dichloroethane-d4				*96*	*87-122*			
Toluene-d8				*96*	*85-113*			
4-Bromofluorobenzene				*101*	*82-110*			
Matrix Spike Duplicate 1405399-34 MW-34d					Analyzed:	05/30/2014		By: DLV
Unit: ug/L					Analytical Batch:	4F02021		
Benzene	<1.0	40.0	**41.4**	103	80-129	0.1	9	1.0
Chlorobenzene	<1.0	40.0	**41.5**	104	80-121	0.9	8	1.0
1,1-Dichloroethene	<1.0	40.0	**41.3**	103	74-134	0.3	11	1.0
Toluene	<1.0	40.0	**41.2**	103	79-129	0.4	9	1.0
Trichloroethene	1.12	40.0	**42.0**	102	75-127	2	10	1.0
Surrogates:								
Dibromofluoromethane				*98*	*85-118*			
1,2-Dichloroethane-d4				*96*	*87-122*			
Toluene-d8				*98*	*85-113*			
4-Bromofluorobenzene				*103*	*82-110*			
QC Batch: 1405305 5030B Aqueous Purge & Trap/USEPA-8260B								
Method Blank					Analyzed:	06/02/2014		By: BAG
Unit: ug/L					Analytical Batch:	4F03033		
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

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Volatile Organic Compounds by EPA Method 8260B (Continued)

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

QC Batch: 1405305 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 06/02/2014 By: BAG

Unit: ug/L Analytical Batch: 4F03033

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
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

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Volatile Organic Compounds by EPA Method 8260B (Continued)

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

QC Batch: 1405305 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 06/02/2014 By: BAG
Unit: ug/L Analytical Batch: 4F03033

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			*101*	*85-118*		
1,2-Dichloroethane-d4			*103*	*87-122*		
Toluene-d8			*98*	*85-113*		
4-Bromofluorobenzene			*102*	*82-110*		

Laboratory Control Sample Analyzed: 06/02/2014 By: BAG
Unit: ug/L Analytical Batch: 4F03033

Benzene	40.0	**42.2**	105	84-119	--	1.0
Chlorobenzene	40.0	**42.1**	105	84-118	--	1.0

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Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 1405305 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Laboratory Control Sample (Continued)					Analyzed:	06/02/2014		By: BAG
Unit: ug/L					Analytical Batch:	4F03033		
1,1-Dichloroethene		40.0	**41.6**	104	77-123	--		1.0
Toluene		40.0	**41.8**	105	85-118	--		1.0
Trichloroethene		40.0	**42.0**	105	82-119	--		1.0
Surrogates:								
Dibromofluoromethane				*103*	*85-118*			
1,2-Dichloroethane-d4				*101*	*87-122*			
Toluene-d8				*101*	*85-113*			
4-Bromofluorobenzene				*99*	*82-110*			
Matrix Spike 1405461-09 MW-31					Analyzed:	06/02/2014		By: BAG
Unit: ug/L					Analytical Batch:	4F03033		
Benzene	<2.5	100	**103**	103	80-129	--		2.5
Chlorobenzene	<2.5	100	**102**	102	80-121	--		2.5
1,1-Dichloroethene	<2.5	100	**98.4**	98	74-134	--		2.5
Toluene	<2.5	100	**102**	102	79-129	--		2.5
Trichloroethene	284	100	**373**	89	75-127	--		2.5
Surrogates:								
Dibromofluoromethane				*103*	*85-118*			
1,2-Dichloroethane-d4				*103*	*87-122*			
Toluene-d8				*102*	*85-113*			
4-Bromofluorobenzene				*98*	*82-110*			
Matrix Spike Duplicate 1405461-09 MW-31					Analyzed:	06/02/2014		By: BAG
Unit: ug/L					Analytical Batch:	4F03033		
Benzene	<2.5	100	**106**	106	80-129	3	9	2.5
Chlorobenzene	<2.5	100	**104**	104	80-121	2	8	2.5
1,1-Dichloroethene	<2.5	100	**103**	103	74-134	4	11	2.5
Toluene	<2.5	100	**106**	106	79-129	3	9	2.5
Trichloroethene	284	100	**388**	104	75-127	4	10	2.5

Continued on next page

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

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

QC Batch: 1405305 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Matrix Spike Duplicate (Continued) 1405461-09 MW-31 Analyzed: 06/02/2014 By: BAG

Unit: ug/L Analytical Batch: 4F03033

Surrogates:		
Dibromofluoromethane	*102*	*85-118*
1,2-Dichloroethane-d4	*103*	*87-122*
Toluene-d8	*101*	*85-113*
4-Bromofluorobenzene	*99*	*82-110*

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TRIMATRIX LABORATORIES

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www.trimatrixlabs.com

Chain of Custody Record

COC No. 147271

Pg. 1 of 2

For Lab Use Only
Cart —
VOA Rack/Tray 30X
Receipt Log No. 10-29
Project Chemist JLR
Work Order No. 405309

Client Name: IRC
Address: 1990 Eisenhower Pl N
City, State Zip: Ann Arbor MI 48108
Phone/Fax: 734 971 2020 734 971 9021
Email:

Project Name: T.I.P.C
Client Project No. / P.O. No.: 004704.0001.000
Invoice To: ☑ Client ☐ Other (comments)
Contact/Report To: Stacy Metz

Analyses Requested

8260 VOC

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

Container Type (corresponds to Container Packing List): 1

Number of Containers Submitted

Schedule	Matrix Code	Sample Number	Field Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Total	Sample Comments
01		01	1 MW-24S		5/14/14	0745		X	GW	2	
		02	2 MW 24D		5/14/14	0849		X	GW	2	
		03	3 MW-30S		5/14/14	1047		X	GW	2	
		04	4 MW-30D		5/14/14	1140		X	GW	2	
		05	5 MW-12S		5/14/14	1227		X	GW	2	
		06	6 MW-12D		5/15/14	0645		X	GW	2	
		07	7 MW 29S		5/15/14	1017		X	GW	2	
		08	8 MW 29D		5/15/14	1127		X	GW	2	
		09	9 MW-13S		5/15/14	1231		X	GW	2	
		10	10 MW-36S		5/15/14	1335		X	GW	2	

Sampled By (print): JAVIER JASO
Sampler's Signature:
Company: IRC

How Shipped? Hand ___ Carrier ___
Tracking No.

Comments

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
	5/16/14	1100		5.16.14	1720			
1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
	5.16.14	1503				J. Nordin	5/16/14	1720

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TRIMATRIX LABORATORIES

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Chain of Custody Record

COC No. 147272

Pg. 2 of 2

For Lab Use Only
Cart: —
VOA Rack/Tray: 30X
Receipt Log No: 10-29
Project Chemist: JLR
Work Order No: 405309

Client Name: TRC
Address: 1540 Eisenhower Place
City, State Zip: Ann Arbor MI 48108
Phone/Fax: 7349712080 7349719093
Email:

Project Name: T.P.C.
Client Project No. / P.O. No.: 004364 0001 0000
Invoice To: ☑ Client ☐ Other (comments)
Contact/Report To: Stacy Mute

Analyses Requested

VOC 8260

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

Container Type (corresponds to Container Packing List)

Schedule	Matrix Code	Sample Number	Field Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Number of Containers Submitted	Total	Sample Comments
01		11	1 MW 23		5/15/14	1427		X	GW	X	2	
02		12	2 MW 20S		5/15/14	1529		X	GW	X	2	
			3 MW 20S MS+MSD		5/15/14	1529		X	GW	X	4	
01		13	4 MW 20D		5/15/14	1652		X	GW	X	2	
|		14	5 MW 25S		5/16/14	0830		X	GW	X	2	
|		15	6 MW 38S		5/16/14	0742		X	GW	X	2	
|		16	7 MW 37S		5/16/14	0848		X	GW	X	2	
		17	8 MW 39S		5/16/14	0945		X	GW	X	2	
03		18	TB-01		5-16-14	-				1		
			10									

Sampled By (print): JAU & JASZ
Sampler's Signature:
Company: TRC

How Shipped? Hand Carrier
Tracking No.

Comments

Relinquished By	Date	Time	Received By	Date	Time
1.	5/16/14	1100	1.	5-16-14	1508
2.	5.16.14	1720	2.		
3.			3. J.N. Lardin	5/16/14	1720

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

SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client: TRC T.P.C | Work Order #: 405309
Receipt Record Page/Line #: 10-29 | New / Add To | Project Chemist: JZ2 | Sample #s

Recorded by (initials/date): DN 5/16/14 | ☑ Cooler ☐ Box ☐ Other | Qty Received: 1 | Thermometer Used: ☑ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#_____) | ☐ See Additional Cooler Information Form

Cooler # 1	Cooler #	Cooler #	Cooler #
Cooler # 1A, Time 2234	Time	Time	Time
Custody Seals: ☑ None ☐ Present / Intact ☐ Present / Not Intact	Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact	Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact	Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact
Coolant Location: Dispersed / Top / Middle / Bottom	Coolant Location: Dispersed / Top / Middle / Bottom	Coolant Location: Dispersed / Top / Middle / Bottom	Coolant Location: Dispersed / Top / Middle / Bottom
Coolant/Temperature Taken Via: ☑ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers
Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container	Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container	Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container	Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container
Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C
Temp Blank:	Temp Blank:	Temp Blank:	Temp Blank:
TB location: Representative / Not Representative	TB location: Representative / Not Representative	TB location: Representative / Not Representative	TB location: Representative / Not Representative
1 4.9 / 0 / 4.9	1	1	1
2 4.7 / 0 / 4.7	2	2	2
3 3.7 / 0 / 3.7	3	3	3
Average °C: 4.4	Average °C	Average °C	Average °C
☐ Cooler ID on COC?	☐ Cooler ID on COC?	☐ Cooler ID on COC?	☐ Cooler ID on COC?
☐ VOC Trip Blank received?	☐ VOC Trip Blank received?	☐ VOC Trip Blank received?	☐ 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

☑ TriMatrix COC ☐ Other _____

COC ID Numbers: 147271, 147272

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?

Sample Condition Summary

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

Check Sample Preservation

N/A	Yes	No	
	☑	☐	Average sample temperature ≤6° C?
☑	☐	☐	Was thermal preservation required?
☑	☐		If "No", 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 1L ambers (SV Prep-Lab)

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

Notes

☐ Trip Blank received ☑ Trip Blank not listed on COC

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
DN 5/12/14	5/16/14	Yes / No

TRIMATRIX LABORATORIES

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Chain of Custody Record

COC No. 147273

Pg. 1 of 4

For Lab Use Only
Cart —
VOA Rack/Tray BOX 490-W
Receipt Log No. 20-30
Project Chemist JLR
Work Order No. 1405399

Client Name: TRC
Address: 1540 Eisenhower Place
City, State Zip: Ann Arbor MI 48108
Phone/Fax: 7349717090 7349719000
Email:

Project Name: T.P.C.
Client Project No. / P.O. No.: 004304.00010000
Invoice To: ☑ Client ☐ Other (comments)
Contact/Report To: Stacy Metz

Analyses Requested

VOC 8260

Container Type (corresponds to Container Packing List) 1

Number of Containers Submitted

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

Schedule	Matrix Code	Sample Number	Field Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Total	Sample Comments
		01	1 ~~MW~~ TRC Blank #4 (TB-02)	3308				X	DI	1	
		02	2 MW 4S		5/16/14	0645		X	GW	2	
		03	3 MW 34S		5/14/14	0745		X	GW	2	
		04	4 MW 3S		5/14/14	0830		X	GW	2	
		05	5 MS 16I		5/19/14	0945		X	GW	2	
		06	6 MW 33S		5/14/14	1039		X	GW	2	
		07	7 MW-32S		5/19/14	1208		X	GW	2	
		08	8 Dup #01		5/19/14	—		X	GW	2	
		09	9 MW-32D		5/14/14	1319		X	GW	2	
		10	10 EB #03		5/19/14	1345		X	DI	2	

Sampled By (print): JACOB JASI
Sampler's Signature:
Company: TRC

How Shipped? Hand ___ Carrier ___
Tracking No.

Comments

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
	5/21/14	1848	Ray Johnson	5/22/14	1750			
1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
Ray Johnson	5/22/14	1500				J. Mardin	5/22/14	17[illegible]

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TRIMATRIX LABORATORIES

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Chain of Custody Record

COC No. 146389

Pg. 2 of 4

For Lab Use Only
Cart: ~
VOA Rack/Tray: SDX, 490-le
Receipt Log No.: 20-30
Project Chemist:
Work Order No.: 1705399

Client Name: TRC
Address: 1540 Eisenhower Pl.
City, State Zip: Ann Arbor MI 48108
Phone/Fax: 734 971 2080 734 971 9022
Email:

Project Name: T.I.P.C.
Client Project No. / P.O. No.: 004704.0001.0000
Invoice To: ☑ Client ☐ Other (comments)
Contact/Report To: Stacy Mutt

Analyses Requested

VOC 8260

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

Schedule	Matrix Code	Sample Number	Field Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Container Type (corresponds to Container Packing List)	Number of Containers Submitted	Total	Sample Comments
		11	1 MW-4I		5/19/14	1436		X	GW	T		2	
		12	2 MW-2S		5/19/14	1549		X	GW	T		2	
		13	3 Dup #03		5/19/14	—		X	GW	T		2	
		14	4 MW-21		5/19/14	1633		X	GW	T		2	
		15	5 EB #02		5/20/14	0515		X	DI	T		2	
		16	6 MW-35D		5/20/14	0637		X	GW	T		2	
		17	7 NS-18S		5/20/14	0751		X	GW	T		2	
		18	8 NS-18D		5/20/14	0855		X	GW	T		2	
		19	9 NS-20S		5/20/14	1008		X	GW	T		2	
		20	10 NS 20I		5/20/14	1055		X	GW	T		2	

Sampled By (print): Jaui & Jase
Sampler's Signature:
Company: TRC

How Shipped? Hand ___ Carrier ___
Tracking No.

Comments

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
	5/21/14	1645	Ray Johnson	5/22/14	1750			
1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
Ray Johnson	5/22/14	1500				D. Nazdin	5/22/14	175

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TRIMATRIX LABORATORIES

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Chain of Custody Record

COC No. 146390

Pg. 3 of 4

For Lab Use Only
Cart: —
VOA Rack/Tray: 30X, 490-6

Receipt Log No.: 20-30
Project Chemist:
Work Order No.: 1403399

Client Name: TRC
Address: 1540 Eisenhower Place
City, State Zip: Ann Arbor MI 48108
Phone/Fax: 7349717080 7349719037
Email:

Project Name: T-P.C
Client Project No. / P.O. No.: 0043040001 0000
Invoice To: ☑ Client ☐ Other (comments)
Contact/Report To: Stacy Metz

Analyses Requested

VOC 8260

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

Schedule	Matrix Code	Sample Number	Field Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Container Type (corresponds to Container Packing List)	Number of Containers Submitted	Total	Sample Comments
		21	1 NS 19S		5/20/14	1146		X	GW	X		2	
		22	2 WS-19I		5/20/14	1310		X	GW	X		2	
		23	3 NS-19D		5/20/14	1355		X	GW	X		2	
		24	4 SS-09S		5/20/14	1515		X	GW	X		2	
		25	5 Dup #04		5/20/14	—		X	GW	X		2	
		26	6 SS-09I		5/21/14	1027		X	GW	X		2	
		27	7 SS-10S		5/21/14	0632		X	GW	X		2	
		28	8 SS-10I		5/21/14	0721		X	GW	X		2	
		29	9 SS-10D		5/21/14	0819		X	GW	X		2	
		30	10 MW-35I		5/21/14	0908		X	GW	X		2	

Sampled By (print): JAVIER JASSO
Sampler's Signature:
Company: TRC

How Shipped? Hand ___ Carrier ___
Tracking No.

Comments

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
	5/21/14	1841	Ray Johnson	5/22/14	1750			
1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
Ray Johnson	5/22/14	1500				D Hardin	5/22/14	17-0

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TRIMATRIX LABORATORIES

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Chain of Custody Record

COC No. 146391

Pg. 4 of 4

For Lab Use Only
Cart: —
VOA/Rack/Tray: BOX, 490-W
Receipt Log No: 20-30
Project Chemist: JLR
Work Order No: 1405399

Client Name: TRC
Address: 1540 Eisenhower Place
City, State Zip: Ann Arbor MI 48108
Phone/Fax: 734 971 7080 734 971 9022
Email:

Project Name: TIPC
Client Project No. / P.O. No.: 60430600010000
Invoice To: ☒ Client ☐ Other (comments)
Contact/Report To: Stacy Metz

Analyses Requested

VOCs 8260B

Container Type (corresponds to Container Packing List)

Number of Containers Submitted

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

Schedule	Matrix Code	Sample Number	Field Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Total	Sample Comments
		31	1 MW-01S		5/21/14	1005		+	GW	2	
		32	2 MW-34D		5/21/14	1124		+	GW	2	
		33	3 MW-39D		5/21/14	1233		+	GW	2	
		34	4 MW-34D		5/21/14	1331		+	GW	2	
		34	5 MW-34D MS+MSD		5/21/14	1335		X	GW	3	
		35	6 MW-8D		5/21/14	1438		+	GW	2	
		36	7 MW-40S		5/21/14	1605		+	GW	2	
			~~8 MW-40D~~		~~5/21/14~~	~~1730~~		~~+~~	~~GW~~	~~2~~	
			9								
			10								

Sampled By (print): JAVIER JASSO
Sampler's Signature:
Company: TRC

How Shipped? Hand ___ Carrier ___
Tracking No.

Comments

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
	5/21/14	1645	Ray Johnson	5/22/14	1750			
1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
Ray Johnson	5/22/14	1500				J. Nardin	5/22/14	1750

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SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client: TRC | Work Order #: 1405399
Receipt Record Page/Line #: 20-30 | New / Add To | Project Chemist | Sample #s

Recorded by (initials/date): DN 5/22/14

☑ Cooler ☐ Box ☐ Other | Qty Received: 1

Thermometer Used: ☑ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#_____)

☐ See Additional Cooler Information Form

Cooler # / Time: 1133882011	Cooler # / Time:	Cooler # / Time:	Cooler # / Time:
Custody Seals: ☑ None ☐ Present / Intact ☐ Present / Not Intact	Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact	Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact	Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact
Coolant Location: Dispersed / Top / Middle / Bottom	Coolant Location: Dispersed / Top / Middle / Bottom	Coolant Location: Dispersed / Top / Middle / Bottom	Coolant Location: Dispersed / Top / Middle / Bottom
Coolant/Temperature Taken Via: ☑ Loose Ice / Avg 2-3 containers ☑ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers
Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container	Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container	Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container	Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container
Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C
Temp Blank:	Temp Blank:	Temp Blank:	Temp Blank:
TB location: Representative / Not Representative	TB location: Representative / Not Representative	TB location: Representative / Not Representative	TB location: Representative / Not Representative
1 3.9 0 3.9	1	1	1
2 4.0 0 4.0	2	2	2
3 4.2 0 4.2	3	3	3
Average °C 4.0	Average °C	Average °C	Average °C
☐ Cooler ID on COC?	☐ Cooler ID on COC?	☐ Cooler ID on COC?	☐ Cooler ID on COC?
☑ VOC Trip Blank received?	☐ VOC Trip Blank received?	☐ VOC Trip Blank received?	☐ 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

☑ TriMatrix COC ☐ Other _____

COC ID Numbers: 147273, 146389, 146390, 146391

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?

Sample Condition Summary

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

Check Sample Preservation

N/A	Yes	No	
	☐	☐	Average sample temperature ≤6° C?
☑	☐	☐	Was thermal preservation required?
☑	☐		If "No", 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 1L ambers (SV Prep-Lab)

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

Notes

☑ Trip Blank received ☐ Trip Blank not listed on COC

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
DN 5/22/14	5/22/14	Yes / No

TRIMATRIX LABORATORIES

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

Chain of Custody Record

COC No. 146393

Pg. 1 of 2

For Lab Use Only
Cart: —
VOA Rack/Tray: 17, 30-2W
Receipt Log No.: 21-32
Project Chemist:
Work Order No.: 1405461

Client Name: TRC
Address: 1540 Eisenhower Place
City, State Zip: Ann Arbor MI 48108
Phone/Fax: 734-971-7080 734-971-9022
Email:

Project Name: TRC
Client Project No. / P.O. No.: 208704.0001.0000
Invoice To: ☑ Client ☐ Other (comments)
Contact/Report To: Steve Mehl

Analyses Requested

VOC 8260

Container Type (corresponds to Container Packing List): 1

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

Schedule	Matrix Code	Sample Number	Field Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Number of Containers Submitted	Total	Sample Comments
		01	1 MW-14D		5/22/14	0615		X	GW	X	2	
		02	2 Dup #02		5/22/14	—		X	GW	X	2	
		03	3 ~~Trip Blank #~~ TB-03		—				DI	X	1	
		04	4 Seep		5/22/14	0625		X	SW	X	2	
		05	5 MW-40D		5/22/14	0748		X	GW	X	2	
		06	6 MW-38D		5/22/14	0853		X	GW	X	2	
		07	7 WL-01		5/22/14	0938		X	SW	X	2	
		08	8 MW-17		5/22/14	1011		X	GW	X	2	
		09	9 MW-31		5/22/14	1122		X	GW	X	2	
			10 MW-31 MS/MSD		5/22/14	1122		X	GW	X	3	

Sampled By (print): JACK JAST
Sampler's Signature:
Company: TA

How Shipped? Hand ___ Carrier ___
Tracking No.

Comments

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
	5/22/14	1615	TRC Sample Storage	5/28/14			5.28.14	1930
1. Received By	Date	Time	2. Received By	Date	Time	3. Received By	Date	Time
TRC Sample Storage	5/22/14	1615		5-28-14	1630		5/28/14	193

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

TRIMATRIX LABORATORIES

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

Chain of Custody Record

COC No. 146394

Pg. 2 of 2

For Lab Use Only
Cart: —
VOA Rack/Tray: 17, 30-W
Receipt Log No.: 26-32
Project Chemist:
Work Order No.: 405401

Client Name: TRC
Address: 1540 Eisenhower Place
City, State Zip: Ann Arbor MI 48108
Phone/Fax: 7349717080 7349719097
Email:

Project Name: T.P.C
Client Project No. / P.O. No.: 60430400010CC
Invoice To: ☑ Client ☐ Other (comments)
Contact/Report To: Stacey Metz

Analyses Requested

VOC Eight

Container Type (corresponds to Container Packing List)

Number of Containers Submitted

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

Schedule	Matrix Code	Sample Number	Field Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	1	Total	Sample Comments
		10	1 MW-22		5/22/14	1233		+	GW	+	2	
		11	2 EB #01		5/22/14	1235		+	DI	+	2	
		12	3 MW-27S		5/22/14	1330		+	GW	+	2	
		13	4 MW-27D		5/22/14	1408		+	GW	+	2	
		14	5 MW-10S		5/22/14	1448		+	GW	+	2	
			6									
			7									
			8									
			9									
			10									

Sampled By (print): Jason J Ass
Sampler's Signature:
Company: TRC

How Shipped? Hand ___ Carrier ___
Tracking No.:

Comments:

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
	5/22/14	1615	TRC Sample Storage	5/28/14			5-28-14	1930
1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
TRC Sample Storage	5/22/14	1615		5-28-14	1930		5/28/14	1930

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

SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client: TRC	Work Order #: 1405461
Receipt Record Page/Line #: 26-32	New / Add To
	Project Chemist: JLR · Sample #s

Recorded by (initials/date): DN 5/29/14 (QRC)

☒ Cooler · ☐ Box · ☐ Other ______

Qty Received: 1

Thermometer Used: ☒ IR Gun (#202) · ☐ Digital Thermometer (#54) · ☐ Other (#______) · ☐ See Additional Cooler Information Form

	Cooler 1	Cooler 2	Cooler 3	Cooler 4
Cooler #	1172851			
Time	10:08			
Custody Seals	☒ None · ☐ Present / Intact · ☐ Present / Not Intact	☐ None · ☐ Present / Intact · ☐ Present / Not Intact	☐ None · ☐ Present / Intact · ☐ Present / Not Intact	☐ None · ☐ Present / Intact · ☐ Present / Not Intact
Coolant Location	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom
Coolant/Temperature Taken Via	☒ Loose Ice / Avg 2-3 containers · ☐ Bagged Ice / Avg 2-3 containers · ☐ Blue Ice / Avg 2-3 containers · ☐ None / Avg 2-3 containers	☐ Loose Ice · ☐ Bagged Ice · ☐ Blue Ice · ☐ None (Avg 2-3 containers)	☐ Loose Ice · ☐ Bagged Ice · ☐ Blue Ice · ☐ None (Avg 2-3 containers)	☐ Loose Ice · ☐ Bagged Ice · ☐ Blue Ice · ☐ None (Avg 2-3 containers)
Alternate Temperature Taken Via	☒ Temperature Blank (TB) · ☐ 1 Container	☐ Temperature Blank (TB) · ☐ 1 Container	☐ Temperature Blank (TB) · ☐ 1 Container	☐ Temperature Blank (TB) · ☐ 1 Container
Temp Blank (Recorded °C / Correction Factor °C / Actual °C)	2.9 / 0 / 2.9			
TB location	Representative (circled) / Not Representative	Representative / Not Representative	Representative / Not Representative	Representative / Not Representative
1 (Recorded / Correction / Actual)	3.1 / 0 / 3.1			
2 (Recorded / Correction / Actual)	3.7 / 0 / 3.7			
3 (Recorded / Correction / Actual)	3.6 / 0 / 3.6			
Average °C	3.5			
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

☒ TriMatrix COC ☐ Other ______

COC ID Numbers: 146393, 146394

Check Sample Preservation

N/A	Yes	No	
	☒	☐	Average sample temperature ≤6° C?
☒	☐	☐	Was thermal preservation required?
☒	☐		If "No", 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 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 for Short Hold-Time Prep/Analyses

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

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

Sample Condition Summary

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

Notes

☒ Trip Blank received ☐ Trip Blank not listed on COC

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
DN 5/28/14 29 (QRC)	DN 5/29/14	Yes / No

Sample Receiving Log In Forms.xls - Receiving Log-In_Checklist

revision: 3.4

Attachment 2
Data Validation Reports

Laboratory Data Validation

March 2014 Groundwater Monitoring Event
Former Tecumseh Products Company Site
Tecumseh, Michigan

Twenty-one groundwater samples, one trip blank, and one equipment rinsate blank were collected from March 26-28, 2014. These samples were analyzed by TriMatrix Laboratories, located in Grand Rapids, Michigan. The samples were analyzed for volatile organic analytes by USEPA Method 8260 B following protocols specified in the Quality Assurance Project Plan (QAPP) for the former Tecumseh Products Company (TPC) site in Tecumseh, Michigan. TRC performed a validation of the laboratory data. The following sections summarize the data validation procedure and the results of the validation.

Validation Procedure

The analytical data were validated using the USEPA National Functional Guidelines for Organic Data Review (USEPA, 2008). The data validation included a review of the spike, duplicate, and blank results from the laboratory, as well as verification that the sample holding times were met. TRC reviewed additional QC information to check for appropriate matrix performance using the analytical method specified by the laboratory. The procedures TRC used to evaluate data in general included the following items:

- Checked technical holding times for analyses and sample receipt temperature;
- Reviewed QC data for blanks, matrix spikes, laboratory duplicates, and laboratory control samples;
- Determined field precision from blind field duplicate data; and
- Assessed the usability of the data.

The data validation report addresses the following items:

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

TRC reviewed internal standard areas and retention times, method blanks, project-specific matrix spike and matrix spike duplicate (MS/MSD) recoveries, field and laboratory duplicate relative percent differences (RPDs), Laboratory Control Sample (LCS) recoveries, holding times, and temperature.

Findings

The data quality objectives and laboratory completeness goals for the project were met, and the data are usable. The procedures specified in the methods were implemented, and the data packages were found to contain all of the deliverables necessary for validation of the analytical data. The discussion that follows describes the QA/QC results and evaluation.

- The laboratory met technical holding times for all samples. The sample temperatures met QC limits.
- Surrogate recoveries met QC limits for all samples.
- Internal standard areas and retention times were reviewed and found to be within acceptable QC limits.
- The laboratory performed an LCS with each analytical batch. Recoveries were within the laboratory control limits.
- Contaminants were not detected in the trip blank or in the equipment rinsate blank.
- Contaminants were not detected in the method blanks.
- One field duplicate sample was collected. DUP-01 corresponded with sample MW-21. RPDs were within QC limits. There were no laboratory duplicates.
- MS/MSD analyses were performed on sample MW-36s. Recoveries and RPDs were within QC limits.
- The continuing calibration verification (CCV) recoveries were high for trans-1,4-dichloro-2-butene in one analytical batch. This compound was not detected any of the associated samples; therefore, no flags are assigned.

Prepared by: Jennifer Meek
Reviewed by: Terry Hertz

Laboratory Data Validation

May 2014 Groundwater Monitoring Event
Former Tecumseh Products Company Site
Tecumseh, Michigan

Sixty-two groundwater samples, including four duplicates, three trip blanks, and three equipment rinsate blanks were collected from May 14 to 22, 2014. These samples were analyzed by TriMatrix Laboratories, located in Grand Rapids, Michigan. The samples were analyzed for volatile organic analytes by USEPA Method 8260 B following protocols specified in the Quality Assurance Project Plan (QAPP) for the former Tecumseh Products Company (TPC) site in Tecumseh, Michigan. TRC performed a validation of the laboratory data. The following sections summarize the data validation procedure and the results of the validation.

Validation Procedure

The analytical data were validated using the USEPA National Functional Guidelines for Organic Data Review (USEPA, 2008). The data validation included a review of the spike, duplicate, and blank results from the laboratory, as well as verification that the sample holding times were met. TRC reviewed additional QC information to check for appropriate matrix performance using the analytical method specified by the laboratory. The procedures TRC used to evaluate data in general included the following items:

- Checked technical holding times for analyses and sample receipt temperature;
- Reviewed QC data for blanks, matrix spikes, laboratory duplicates, and laboratory control samples;
- Determined field precision from blind field duplicate data; and
- Assessed the usability of the data.

The data validation report addresses the following items:

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

TRC reviewed internal standard areas and retention times, method blanks, project-specific matrix spike and matrix spike duplicate (MS/MSD) recoveries, field and laboratory duplicate relative percent differences (RPDs), Laboratory Control Sample (LCS) recoveries, holding times, and temperature.

Findings

The data quality objectives and laboratory completeness goals for the project were met, and the data are usable. The procedures specified in the methods were implemented, and the data packages were found to contain all of the deliverables necessary for validation of the analytical data. The discussion that follows describes the QA/QC results and evaluation.

- The laboratory met technical holding times for all samples. The sample temperatures met QC limits. Sample preservative was not identified on the chain of custody. However, communication with a project coordinator indicated that the samples were preserved with hydrochloric acid. Efforts should be made to ensure that sample preservation is properly noted on chains of custody.
- Surrogate recoveries met QC limits for all samples.
- Internal standard areas and retention times were reviewed and found to be within acceptable QC limits.
- The laboratory performed an LCS with each analytical batch. Recoveries were within the laboratory control limits.
- Contaminants were not detected in the trip blanks or in the equipment rinsate blanks.
- Contaminants were not detected in the method blanks.
- Four field duplicate samples were collected. Dup-01 corresponded with sample MW-32d, Dup-02 corresponded with sample MW-14d, Dup-03 corresponded with sample MW-21, and Dup-04 corresponded with sample SS-09s. RPDs were within QC limits. There were no laboratory duplicates.
- MS/MSD analyses were performed on samples MW-20s, MW-4s, MW-34d, and MW-31. Recoveries and RPDs were within QC limits.
- The continuing calibration verification (CCV) recovery associated with sample MW-38s was high for naphthalene. This compound was not detected in MW-38s; therefore, no flags are assigned.

Prepared by: Jennifer Meek
Reviewed by: Terry Hertz

Appendix B
Summary of Third Quarter 2013 through Second Quarter 2014 Soil Gas Sample Events

Technical Memorandum

To:	Jason Smith, Tecumseh Products Company
From:	Stacy Metz and Graham Crockford, TRC
Subject:	Third Quarter 2013 through Second Quarter 2014 Soil Gas Sample Events – RCRA 3008(h) Consent Order (RCRA-05-2010-0012) – Tecumseh Products Company
Date:	July 15, 2013
cc:	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 21 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. Quarterly 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 Quarterly Sampling Plan described below.

Summary of the Quarterly Sampling Plan

Active soil gas samples are collected quarterly at each of the following soil gas sample points: SG-01, SG-02, SG-03R, SG-04, SG-05, SG-06, SG-07, SG-08, SG-09, SG-10, SG-11, SG-12R[1], SG-13, SG-14R,

[1] Soil gas sample point SG-12R was installed due to water in the sample point at SG-12 which prevented sample collection during approximately half of the sample events. Tight, high-moisture soils at sample point SG-12R intermittently prevent the collection a sufficient sample volume at sample point SG-12R. Each quarter sample collection is first attempted at SG-12R. If sample volume is insufficient from sample point SG-12R, sample collection is then attempted at soil gas sample point SG-12.

SG-15R, SG-16, SG-17, SG-18, SG-19, SG-20, SG-21 and TVP-02s. The locations of soil gas monitoring points are illustrated on Figure 1. Soil gas sampling is completed, in accordance with the Quarterly Sampling Plan described below and in general accordance with the QAPP which was submitted to the USEPA for review in August 2010.[2]

- Sample Apparatus – Each sample apparatus consists of a laboratory supplied certified clean 1-liter SUMMA® canister equipped with a vacuum gage and a dedicated flow controller or critical orifice. The laboratory sets each flow controller to maintain a sampling rate of approximately 100 mL per minute. Each canister is evacuated to a nominal 26 to 30 inches of mercury (in. Hg), sealed, and shipped to the field under Chain-of-Custody documentation. Prior to sample collection, the SUMMA® canister is connected to a dedicated flow controller with a quick-connect fitting. The barbed fitting on the flow controller is then fitted with a moisture filter assembly. (The moisture filter assembly is composed of two short sections of tubing, a barbed fitting, a moisture filter and a stop-cock; connections are made with either luer lock or barbed fittings.)
- Purge Sample Port – Prior to sample collection, the soil gas sample port is connected to a peristaltic pump using 0.25-inch I.D. Masterflex tubing and a Teflon tubing extension, if needed. The peristaltic pump is then used to purge the vapor probe for approximately 5 minutes, removing approximately 5 volumes (1 liter) of vapor to ensure that the sample will be representative of the soil gas and not the stagnant vapor in the sample point.
- Shut-In Leak Test – Immediately following sampling point purging, the assembled sampling apparatus is connected to the sample port. With the stop cock in the closed position, the valve on the sample canister is opened. The vacuum gage on the sample canister is used to monitor the vacuum in the sample canister. Vacuum is monitored for at least one minute to ensure that all connections are able to maintain the applied vacuum during that time. If the vacuum decreases by more than 1 in. Hg during that time, the sample apparatus is replaced, and the shut-in leak test is repeated until the vacuum is maintained.
- Sample Collection – Prior to sample collection a clear garbage bag is placed over the sample apparatus and sample point, and the quantitative tracer (1,1-difluoroethane) is applied. Upon completion of the shut-in leak test, the stop cock is moved to the open position to begin sample collection. During sample collection, the vacuum gage is monitored for a rapid drop in canister pressure which could indicate a leak at the sample port. Once the dedicated flow controller on the sample canister indicates that sample collection is complete (approximately 10 min), the flow valve is closed.
- Sample Shipment – Once sample collection at all locations is complete, samples are shipped to the analytical laboratory, H&P Mobile Geochemistry under Chain-of-Custody documentation.

[2] The most significant deviation from the QAPP is the change in analytical laboratory. The change in analytical laboratory from Pace Analytical (Pace) to H&P Mobile Geochemistry was made because low quality sampling equipment provided by Pace resulted in an unacceptably high incidence of leaks and other data quality issues.

- Sample Analysis – The analytical laboratory uses analytical method USEPA TO-15 to analyze the samples for the project specific constituents of concern (tetrachloroethene, trichloroethene, 1,1-dichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, vinyl chloride, 1,1,1-trichloroethane, 1,1-dichloroethane and 1,2-dichloroethane) and the quantitative tracer.

This sampling plan was developed to evaluate the volatilization to indoor air migration pathway. As such, sampling data are validated using level 4 data quality objectives.

Summary of Field Activities

- **Third Quarter 2013 Soil Gas Sample Event:** TRC completed the third quarter 2013 soil gas sample event between August 8, 2013 and August 9, 2013. Details of the third quarter soil gas sample event are summarized below:
  - Sample collection at all soil gas sample point locations (SG-01 through SG-21);
  - Sample collection at one exterior subsurface vacuum monitoring point (TVP-02s); and
  - Analysis of all soil gas samples by USEPA Method TO-15 for the project specific list of CVOCs.
- **Fourth Quarter 2013 Soil Gas Sample Event:** TRC completed the fourth quarter 2013 soil gas sample event between November 12, 2013 and November 14, 2013. Details of the fourth quarter soil gas sample event are summarized below:
  - Sample collection at all soil gas sample point locations (SG-01 through SG-21);
  - Sample collection at one exterior subsurface vacuum monitoring point (TVP-02s); and
  - Analysis of all soil gas samples by USEPA Method TO-15 for the project specific list of CVOCs.
- **First Quarter 2014 Soil Gas Sample Event:** TRC completed the first quarter 2014 soil gas sample event on March 26, 2014. Details of the first quarter soil gas sample event are summarized below:
  - Sample collection at all soil gas sample point locations (SG-01 through SG-21), with the following exceptions:
    - Soil gas sample points SG-08, SG-09, and SG-21 which could not be located due to persistent snow cover, and
    - Soil gas sample point SG-14R where water in the sample port prevented sample collection;
  - Sample collection at one exterior subsurface vacuum monitoring point (TVP-02s); and
  - Analysis of all soil gas samples by USEPA Method TO-15 for the project specific list of CVOCs.
- **First Quarter 2014 Re-Sample Event:** A re-sample event was conducted on April 16, 2014 to complete sampling activities which could not be completed during the regular first quarter

sample event due to excessive snow cover and/or water in the sample port (soil gas sample locations SG-08, SG-09, SG-14R and SG-21). Additionally samples were collected at soil gas sample points SG-02 and SG-12R due to high levels of tracer in the regular first quarter samples at those locations.

- **Second Quarter 2014 Soil Gas Sample Event:** TRC completed the second quarter 2014 soil gas sample event between May 19, 2014 and May 21, 2014. Details of the second quarter soil gas sample event are summarized below:
  - Sample collection at all soil gas sample point locations (SG-01 through SG-21);
  - Sample collection at one exterior subsurface vacuum monitoring point (TVP-02s); and
  - Analysis of all soil gas samples by USEPA Method TO-15 for the project specific list of CVOCs.

Summary of Soil Gas Data

Soil gas data are summarized and compared to SGSLs in Table 1, and soil gas sample locations are shown on Figure 1[3]. Laboratory analytical reports are provided in Attachment 1. TRC conducted data quality assurance to verify that field practices and laboratory data met the project data quality objectives. Laboratory data validation reports are included in Attachment 2. As observed during the August 2013 sample event, soil gas concentrations typically peak during the summer months. Since that time, constituents of concern have not exceeded the most restrictive residential SGSLs at any of soil gas sample locations located in residential areas north and west of the site.

[3] Soil gas data are tabulated and compared to SGSLs on a quarterly basis. Draft tables with data through the first quarter 2014 sample event have been already been provided to USEPA.

Table

Table 1
Summary of Chlorinated Volatile Organic Compounds at Off-Site Soil Gas Sample Locations
Tecumseh Products Company
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 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**	**7.79**	**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**	**2200**	**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
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** [7]	<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
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 [7]	**7.3**	<2.0	**4.5**	**200**	**22**	**350**	**380**	**1,900**	<2.0
	8/9/2013	**17.0**	<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

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) Analyte was evaluated for detection to the method detection limit.
7) Quality control results are outside the established control limits, the result is approximate.
8) Sample port is screened in the low permeability zone. Available sample volume insufficient for analysis.

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

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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 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
SG-04 (5-5.5')	4/5/2010	<2.6	<1.3 [6]	<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

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MDEQ Residential Sub-Slab SGSL [1]		4,100	8.2	1,700	58	580	170	36,000	12	21
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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	<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
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
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** [7]	<1.0	**12** [7]	<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

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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 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** [7]	<0.17
	6/7/2011	<0.36	<0.18	<0.37	<0.37	<0.37	**23.6**	**4.4** [7]	**171** [7]	<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
SG-07 (DUP-01)	3/31/2011	<0.56	<0.56	<0.57	<0.57	<0.57	**7.9**	**5.0**	**90.6** [7]	<0.58
	6/7/2011	<0.36	<0.18	<0.37	<0.37	<0.37	**28.4** [7]	**9.5** [7]	**97.2** [7]	<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
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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3) Elevated concentrations of tracer detected. Analytical data for other analytes are presumed to be invalid (--).
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5) Water in sample point prevented sample collection.
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7) 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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Summary of Chlorinated Volatile Organic Compounds at Off-Site Soil Gas Sample Locations
Tecumseh Products Company
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
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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-08 (6.5-7')	4/5/2010	<2.6	<1.3 [6]	<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
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
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
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 [6]	<40.3 [6]	<80.6	<80.6	<80.6	<40.3 [6]	<80.6	<40.3 [6]	<40.3 [6]
	9/21/2010	<4.4	<2.2 [6]	<4.4	<4.4	<4.4	<4.4	<4.4	**11.5**	<4.4
	12/9/2010	<8.7	<4.4 [6]	<8.7	<8.7	<8.7	<4.4 [6]	<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
SG-11 (7.5-6')	4/5/2010	<2.8	<1.4 [6]	<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
	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	<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	**1.2**	<1.0	**3.0**	<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	**1.3**	<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

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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 [6]	<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
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 [8]	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/26/2013 [8]	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/24/2013 [8]	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
SG-13 (5.5-6')	4/5/2010	<2.5	<1.3 [6]	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
	5/20/2010	<4.5	<2.2 [6]	<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** [7]	**5.9** [7]	<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

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Tecumseh Products Company
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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 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-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[8]	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/28/2012[8]	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
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[4,6]	<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

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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 [6]	<15.7	<15.7	<15.7	<7.8 [6]	<15.7	<15.7	<7.8 [6]
	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
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
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

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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-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
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
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
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

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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
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
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

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) Analyte was evaluated for detection to the method detection limit.
7) Quality control results are outside the established control limits, the result is approximate.
8) Sample port is screened in the low permeability zone. Available sample volume insufficient for analysis.

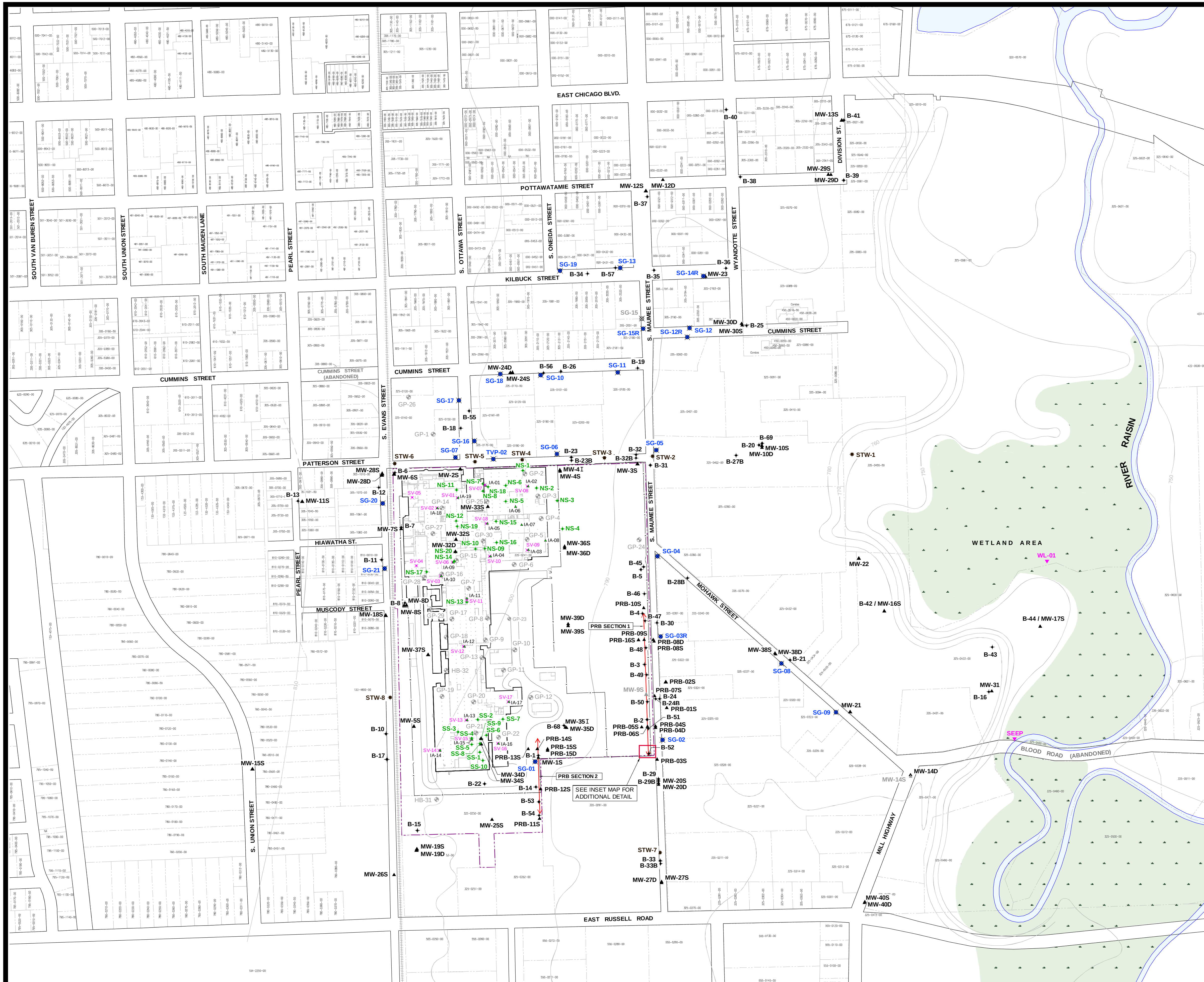
Bold font denotes concentrations detected above laboratory reporting limits.

Denotes concentrations above one or more soil gas screening level

ppbv - parts per billion by volume

NS - No Sample

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
- GP-2 — ATC PHASE II ESA BORING LOCATION AND NUMBER
- SV-10 — SUB-SLAB SOIL GAS SAMPLE NUMBER AND LOCATION
- IA-16 — INDOOR AIR SAMPLE NUMBER AND LOCATION
- FLOODPLAIN / WOODED WETLAND AREA
- 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. GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S TOPOGRAPHIC QUADRANGLE MAP AND GROUND SURVEY DATA.

NO.	BY	DATE	REVISION	APP'D
3				
2				
1	DGS	02/19/13	REVISED INVESTIGATION LOCATIONS	SEM

PROJ: FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN

TITLE: SITE LAYOUT AND SAMPLE LOCATIONS

DRAWN BY: DGS	SCALE:	PROJ. NO. 004304.0001.02	
CHECKED BY: SEM	AS INDICATED	FILE NO. 004304.0001.02.01.dwg	
APPROVED BY: GC	DATE PRINTED:	FIGURE 1	
DATE: JANUARY 2014			

TRC
1540 Eisenhower Place
Ann Arbor, MI 48108
Phone: 734.971.7080
Fax: 734.971.9022

PLOT DATA
Drawing Name: J:_TRC\Tecumseh Products\Tecumseh MI\GIS\CAD\004304\0001\02\2013\A) RPT\004304.0001.02.01.dwg
Operator Name: STEHLE, DANAH
Drawing Plot Scale: 0.386863
Dwg Size: 1.61Mb
Plot Date: January 13, 2014
Plot Time: 1:35 PM
Attached Xrefs: tsn100110 (Filled)
Attached Images:
Layout: FIG01 Site LO & Samples

Attachment 1
Laboratory Analytical Data

Mobile
Geochemistry Inc.

23 August 2013

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

H&P Project: TRC081313-10
Client Project: 004308.0001 / Tecumseh

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 13-Aug-13 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

Unless otherwise noted, 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 Villarreal

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. operates under CA Environmental Lab Accreditation Program Numbers 2579, 2740, 2741, 2742, 2743, 2745 and 2754. National Environmental Laboratory Accreditation Conference (NELAC) Standards Lab #11845

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TRC Environmental - MI	Project: TRC081313-10	
1540 Eisenhower Place	Project Number: 004308.0001 / Tecumseh	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	23-Aug-13 10:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG-05	E308062-01	Vapor	08-Aug-13	13-Aug-13
SG-06	E308062-02	Vapor	08-Aug-13	13-Aug-13
TVP-02s	E308062-03	Vapor	08-Aug-13	13-Aug-13
SG-07	E308062-04	Vapor	08-Aug-13	13-Aug-13
SG-17	E308062-05	Vapor	08-Aug-13	13-Aug-13
SG-16	E308062-06	Vapor	08-Aug-13	13-Aug-13
SG-18	E308062-07	Vapor	08-Aug-13	13-Aug-13
SG-10	E308062-08	Vapor	08-Aug-13	13-Aug-13
SG-11	E308062-09	Vapor	08-Aug-13	13-Aug-13
DUP-01	E308062-10	Vapor	08-Aug-13	13-Aug-13
SG-13	E308062-11	Vapor	08-Aug-13	13-Aug-13
SG-19	E308062-12	Vapor	08-Aug-13	13-Aug-13
SG-15R	E308062-13	Vapor	08-Aug-13	13-Aug-13
SG-20	E308062-14	Vapor	08-Aug-13	13-Aug-13
SG-21	E308062-15	Vapor	08-Aug-13	13-Aug-13
SG-01	E308062-16	Vapor	08-Aug-13	13-Aug-13
SG-04	E308062-17	Vapor	09-Aug-13	13-Aug-13
SG-08	E308062-18	Vapor	09-Aug-13	13-Aug-13
SG-02	E308062-19	Vapor	09-Aug-13	13-Aug-13
DUP-02	E308062-20	Vapor	09-Aug-13	13-Aug-13
SG-14R	E308062-21	Vapor	09-Aug-13	13-Aug-13
SG-12R	E308062-22	Vapor	09-Aug-13	13-Aug-13
SG-09	E308062-23	Vapor	09-Aug-13	13-Aug-13
SG-03R	E308062-24	Vapor	09-Aug-13	13-Aug-13

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1540 Eisenhower Place	Project Number: 004308.0001 / Tecumseh	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	23-Aug-13 10:46

DETECTIONS SUMMARY

Sample ID: **SG-05** Laboratory ID: **E308062-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,1-Trichloroethane	**16**	1.0	ppbv	EPA TO-15	
Trichloroethene	**21**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-06** Laboratory ID: **E308062-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**10**	1.0	ppbv	EPA TO-15	
Tetrachloroethene	**20**	1.0	ppbv	EPA TO-15	

Sample ID: **TVP-02s** Laboratory ID: **E308062-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SG-07** Laboratory ID: **E308062-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,1-Trichloroethane	**13**	1.0	ppbv	EPA TO-15	
Trichloroethene	**510**	1.0	ppbv	EPA TO-15	
Tetrachloroethene	**260**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-17** Laboratory ID: **E308062-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**4100**	3600	ppbv	EPA TO-15	
1,1,1-Trichloroethane	**550**	2.0	ppbv	EPA TO-15	
Tetrachloroethene	**6.0**	2.0	ppbv	EPA TO-15	

Sample ID: **SG-16** Laboratory ID: **E308062-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**43000**	3600	ppbv	EPA TO-15	
Trichloroethene	**13**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-18** Laboratory ID: **E308062-07**

Analyte	Result	Reporting Limit	Units	Method	Notes

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1540 Eisenhower Place	Project Number: 004308.0001 / Tecumseh	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	23-Aug-13 10:46

Sample ID: **SG-18** Laboratory ID: **E308062-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**12000**	3600	ppbv	EPA TO-15	
Trichloroethene	**6.4**	1.0	ppbv	EPA TO-15	
Tetrachloroethene	**2.1**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-10** Laboratory ID: **E308062-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**1.6**	1.0	ppbv	EPA TO-15	
1,1,1-Trichloroethane	**6.9**	1.0	ppbv	EPA TO-15	
Trichloroethene	**53**	1.0	ppbv	EPA TO-15	
Tetrachloroethene	**29**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-11** Laboratory ID: **E308062-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**3.0**	1.0	ppbv	EPA TO-15	
Tetrachloroethene	**1.2**	1.0	ppbv	EPA TO-15	

Sample ID: **DUP-01** Laboratory ID: **E308062-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,1-Trichloroethane	**12**	1.0	ppbv	EPA TO-15	
Trichloroethene	**420**	1.0	ppbv	EPA TO-15	
Tetrachloroethene	**220**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-13** Laboratory ID: **E308062-11**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**13000**	3600	ppbv	EPA TO-15	
trans-1,2-Dichloroethene	**8.8**	2.0	ppbv	EPA TO-15	
cis-1,2-Dichloroethene	**1.3**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-19** Laboratory ID: **E308062-12**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

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1540 Eisenhower Place	Project Number: 004308.0001 / Tecumseh	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	23-Aug-13 10:46

Sample ID: **SG-15R** Laboratory ID: **E308062-13**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**24000**	3600	ppbv	EPA TO-15	

Sample ID: **SG-20** Laboratory ID: **E308062-14**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,1-Trichloroethane	**3.1**	1.0	ppbv	EPA TO-15	
Trichloroethene	**1.0**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-21** Laboratory ID: **E308062-15**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SG-01** Laboratory ID: **E308062-16**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**30**	1.0	ppbv	EPA TO-15	
trans-1,2-Dichloroethene	**45**	2.0	ppbv	EPA TO-15	
1,1-Dichloroethane	**110**	1.0	ppbv	EPA TO-15	
cis-1,2-Dichloroethene	**440**	1.0	ppbv	EPA TO-15	
1,1,1-Trichloroethane	**12000**	100	ppbv	EPA TO-15	
Trichloroethene	**110000**	100	ppbv	EPA TO-15	E
Tetrachloroethene	**2200**	100	ppbv	EPA TO-15	

Sample ID: **SG-04** Laboratory ID: **E308062-17**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**4.7**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-08** Laboratory ID: **E308062-18**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,1-Trichloroethane	**5.4**	1.0	ppbv	EPA TO-15	
Trichloroethene	**8.6**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-02** Laboratory ID: **E308062-19**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**470000**	3600	ppbv	EPA TO-15	E

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Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	23-Aug-13 10:46

Sample ID: **SG-02** Laboratory ID: **E308062-19**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**12**	1.0	ppbv	EPA TO-15	
trans-1,2-Dichloroethene	**46**	2.0	ppbv	EPA TO-15	
1,1-Dichloroethane	**17**	1.0	ppbv	EPA TO-15	
cis-1,2-Dichloroethene	**220**	1.0	ppbv	EPA TO-15	
1,1,1-Trichloroethane	**990**	100	ppbv	EPA TO-15	
Trichloroethene	**9100**	100	ppbv	EPA TO-15	
Tetrachloroethene	**4800**	100	ppbv	EPA TO-15	

Sample ID: **DUP-02** Laboratory ID: **E308062-20**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,1-Trichloroethane	**4.8**	1.0	ppbv	EPA TO-15	
Trichloroethene	**7.1**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-14R** Laboratory ID: **E308062-21**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**340000**	3600	ppbv	EPA TO-15	E
Trichloroethene	**1.6**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-12R** Laboratory ID: **E308062-22**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**440000**	3600	ppbv	EPA TO-15	E

Sample ID: **SG-09** Laboratory ID: **E308062-23**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**7200**	3600	ppbv	EPA TO-15	
1,1,1-Trichloroethane	**67**	1.0	ppbv	EPA TO-15	
Trichloroethene	**270**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-03R** Laboratory ID: **E308062-24**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**8700**	3600	ppbv	EPA TO-15	

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1540 Eisenhower Place	Project Number: 004308.0001 / Tecumseh	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	23-Aug-13 10:46

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-05 (E308062-01) Vapor Sampled: 08-Aug-13 Received: 13-Aug-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EH32003	19-Aug-13	19-Aug-13	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	**16**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**21**	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*107 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*96.5 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*		*77-127*	"	"	"	"	
SG-06 (E308062-02) Vapor Sampled: 08-Aug-13 Received: 13-Aug-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EH32003	19-Aug-13	19-Aug-13	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	**10**	1.0	"	"	"	"	"	"	
Tetrachloroethene	**20**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*95.3 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*77-127*	"	"	"	"	

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TRC Environmental - MI	Project: TRC081313-10	
1540 Eisenhower Place	Project Number: 004308.0001 / Tecumseh	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	23-Aug-13 10:46

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
TVP-02s (E308062-03) Vapor Sampled: 08-Aug-13 Received: 13-Aug-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EH32003	19-Aug-13	19-Aug-13	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		*104 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*94.7 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*77-127*	"	"	"	"	
SG-07 (E308062-04) Vapor Sampled: 08-Aug-13 Received: 13-Aug-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EH32003	19-Aug-13	19-Aug-13	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	**13**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**510**	1.0	"	"	"	"	"	"	
Tetrachloroethene	**260**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*96.1 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*77-127*	"	"	"	"	

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TRC Environmental - MI	Project: TRC081313-10	
1540 Eisenhower Place	Project Number: 004308.0001 / Tecumseh	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	23-Aug-13 10:46

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-17 (E308062-05) Vapor Sampled: 08-Aug-13 Received: 13-Aug-13									
1,1-Difluoroethane (LCC)	**4100**	3600	ppbv	100	EH32003	19-Aug-13	20-Aug-13	EPA TO-15	
Vinyl chloride	ND	2.0	"	2	"	"	"	"	
1,1-Dichloroethene	ND	2.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	**550**	2.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	2.0	"	"	"	"	"	"	
Trichloroethene	ND	2.0	"	"	"	"	"	"	
Tetrachloroethene	**6.0**	2.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*97.1 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.8 %*		*77-127*	"	"	"	"	
SG-16 (E308062-06) Vapor Sampled: 08-Aug-13 Received: 13-Aug-13									
1,1-Difluoroethane (LCC)	**43000**	3600	ppbv	100	EH32003	19-Aug-13	20-Aug-13	EPA TO-15	
Vinyl chloride	ND	1.0	"	1	"	"	19-Aug-13	"	
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	**13**	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*96.9 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*77-127*	"	"	"	"	

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1540 Eisenhower Place	Project Number: 004308.0001 / Tecumseh	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	23-Aug-13 10:46

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-18 (E308062-07) Vapor Sampled: 08-Aug-13 Received: 13-Aug-13									
1,1-Difluoroethane (LCC)	**12000**	3600	ppbv	100	EH32003	19-Aug-13	20-Aug-13	EPA TO-15	
Vinyl chloride	ND	1.0	"	1	"	"	19-Aug-13	"	
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	**6.4**	1.0	"	"	"	"	"	"	
Tetrachloroethene	**2.1**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*97.2 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*77-127*	"	"	"	"	
SG-10 (E308062-08) Vapor Sampled: 08-Aug-13 Received: 13-Aug-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EH32003	19-Aug-13	19-Aug-13	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	**1.6**	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	**6.9**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**53**	1.0	"	"	"	"	"	"	
Tetrachloroethene	**29**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*94.7 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*77-127*	"	"	"	"	

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1540 Eisenhower Place	Project Number: 004308.0001 / Tecumseh	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	23-Aug-13 10:46

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-11 (E308062-09) Vapor Sampled: 08-Aug-13 Received: 13-Aug-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EH32003	19-Aug-13	19-Aug-13	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	**3.0**	1.0	"	"	"	"	"	"	
Tetrachloroethene	**1.2**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*97.3 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*		*77-127*	"	"	"	"	
DUP-01 (E308062-10) Vapor Sampled: 08-Aug-13 Received: 13-Aug-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EH32003	19-Aug-13	20-Aug-13	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	**12**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**420**	1.0	"	"	"	"	"	"	
Tetrachloroethene	**220**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*95.7 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*77-127*	"	"	"	"	

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1540 Eisenhower Place	Project Number: 004308.0001 / Tecumseh	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	23-Aug-13 10:46

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-13 (E308062-11) Vapor Sampled: 08-Aug-13 Received: 13-Aug-13									
1,1-Difluoroethane (LCC)	**13000**	3600	ppbv	100	EH32003	19-Aug-13	20-Aug-13	EPA TO-15	
Vinyl chloride	ND	1.0	"	1	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**8.8**	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**1.3**	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		*102 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*94.7 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*77-127*	"	"	"	"	
SG-19 (E308062-12) Vapor Sampled: 08-Aug-13 Received: 13-Aug-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	100	EH32003	19-Aug-13	20-Aug-13	EPA TO-15	
Vinyl chloride	ND	1.0	"	1	"	"	"	"	
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		*103 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*96.4 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*77-127*	"	"	"	"	

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1540 Eisenhower Place	Project Number: 004308.0001 / Tecumseh	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	23-Aug-13 10:46

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-15R (E308062-13) Vapor Sampled: 08-Aug-13 Received: 13-Aug-13									
1,1-Difluoroethane (LCC)	**24000**	3600	ppbv	100	EH32003	19-Aug-13	20-Aug-13	EPA TO-15	
Vinyl chloride	ND	1.0	"	1	"	"	"	"	
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		*82.1 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*94.4 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*77-127*	"	"	"	"	
SG-20 (E308062-14) Vapor Sampled: 08-Aug-13 Received: 13-Aug-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EH32003	19-Aug-13	20-Aug-13	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	**3.1**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**1.0**	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*95.2 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*77-127*	"	"	"	"	

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Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-21 (E308062-15) Vapor Sampled: 08-Aug-13 Received: 13-Aug-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EH32003	19-Aug-13	20-Aug-13	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		*105 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*96.9 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*77-127*	"	"	"	"	
SG-01 (E308062-16) Vapor Sampled: 08-Aug-13 Received: 13-Aug-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	100	EH32003	19-Aug-13	20-Aug-13	EPA TO-15	
Vinyl chloride	ND	1.0	"	1	"	"	"	"	
1,1-Dichloroethene	**30**	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**45**	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	**110**	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**440**	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	**12000**	100	"	100	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	1	"	"	"	"	
Trichloroethene	**110000**	100	"	100	"	"	"	"	E
Tetrachloroethene	**2200**	100	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*121 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.7 %*		*77-127*	"	"	"	"	

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Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-04 (E308062-17) Vapor Sampled: 09-Aug-13 Received: 13-Aug-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EH32003	19-Aug-13	20-Aug-13	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	**4.7**	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*97.0 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*77-127*	"	"	"	"	
SG-08 (E308062-18) Vapor Sampled: 09-Aug-13 Received: 13-Aug-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EH32003	19-Aug-13	20-Aug-13	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	**5.4**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**8.6**	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*96.2 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*77-127*	"	"	"	"	

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TRC Environmental - MI	Project: TRC081313-10	
1540 Eisenhower Place	Project Number: 004308.0001 / Tecumseh	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	23-Aug-13 10:46

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-02 (E308062-19) Vapor Sampled: 09-Aug-13 Received: 13-Aug-13									
1,1-Difluoroethane (LCC)	**470000**	3600	ppbv	100	EH32003	19-Aug-13	20-Aug-13	EPA TO-15	E
Vinyl chloride	ND	1.0	"	1	"	"	"	"	
1,1-Dichloroethene	**12**	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**46**	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	**17**	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**220**	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	**990**	100	"	100	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	1	"	"	"	"	
Trichloroethene	**9100**	100	"	100	"	"	"	"	
Tetrachloroethene	**4800**	100	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*96.2 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.4 %*		*77-127*	"	"	"	"	
DUP-02 (E308062-20) Vapor Sampled: 09-Aug-13 Received: 13-Aug-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EH32003	19-Aug-13	20-Aug-13	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	**4.8**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**7.1**	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*96.8 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*77-127*	"	"	"	"	

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1540 Eisenhower Place	Project Number: 004308.0001 / Tecumseh	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	23-Aug-13 10:46

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-14R (E308062-21) Vapor Sampled: 09-Aug-13 Received: 13-Aug-13									
1,1-Difluoroethane (LCC)	**340000**	3600	ppbv	100	EH32003	19-Aug-13	20-Aug-13	EPA TO-15	E
Vinyl chloride	ND	1.0	"	1	"	"	"	"	
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	**1.6**	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*76-134*		"	"	"	
Surrogate: Toluene-d8		*99.8 %*		*78-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*		*77-127*		"	"	"	
SG-12R (E308062-22) Vapor Sampled: 09-Aug-13 Received: 13-Aug-13									
1,1-Difluoroethane (LCC)	**440000**	3600	ppbv	100	EH32003	19-Aug-13	20-Aug-13	EPA TO-15	E
Vinyl chloride	ND	1.0	"	1	"	"	"	"	
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		*98.8 %*		*76-134*		"	"	"	
Surrogate: Toluene-d8		*99.0 %*		*78-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*77-127*		"	"	"	

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1540 Eisenhower Place	Project Number: 004308.0001 / Tecumseh	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	23-Aug-13 10:46

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 (E308062-23) Vapor Sampled: 09-Aug-13 Received: 13-Aug-13									
1,1-Difluoroethane (LCC)	**7200**	3600	ppbv	100	EH32003	19-Aug-13	20-Aug-13	EPA TO-15	
Vinyl chloride	ND	1.0	"	1	"	"	"	"	
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	**67**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**270**	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91.2 %*		*76-134*		"	"	"	
Surrogate: Toluene-d8		*95.6 %*		*78-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*77-127*		"	"	"	
SG-03R (E308062-24) Vapor Sampled: 09-Aug-13 Received: 13-Aug-13									
1,1-Difluoroethane (LCC)	**8700**	3600	ppbv	100	EH32003	19-Aug-13	20-Aug-13	EPA TO-15	
Vinyl chloride	ND	1.0	"	1	"	"	"	"	
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		*100 %*		*76-134*		"	"	"	
Surrogate: Toluene-d8		*97.2 %*		*78-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*77-127*		"	"	"	

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1540 Eisenhower Place	Project Number: 004308.0001 / Tecumseh	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	23-Aug-13 10:46

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 EH32003 - TO-15										
Blank (EH32003-BLK1)				Prepared & Analyzed: 19-Aug-13						
1,1-Difluoroethane (LCC)	ND	3600	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	*52.0*		*"*	*50.2*		*104*	*76-134*			
Surrogate: Toluene-d8	*48.2*		*"*	*49.8*		*96.8*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*50.4*		*"*	*50.2*		*100*	*77-127*			
Blank (EH32003-BLK2)				Prepared: 19-Aug-13 Analyzed: 20-Aug-13						
1,1-Difluoroethane (LCC)	ND	3600	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	*50.9*		*"*	*50.2*		*101*	*76-134*			
Surrogate: Toluene-d8	*47.3*		*"*	*49.8*		*94.9*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*49.7*		*"*	*50.2*		*98.9*	*77-127*			

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1540 Eisenhower Place	Project Number: 004308.0001 / Tecumseh	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	23-Aug-13 10:46

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 EH32003 - TO-15										
LCS (EH32003-BS1)				Prepared & Analyzed: 19-Aug-13						
Vinyl chloride	8.5	1.0	ppbv	10.0		85.2	70-130			
1,1-Dichloroethene	9.5	1.0	"	10.0		94.1	70-130			
trans-1,2-Dichloroethene	9.1	2.0	"	10.0		90.2	70-130			
1,1-Dichloroethane	9.5	1.0	"	10.0		94.5	70-130			
cis-1,2-Dichloroethene	8.1	1.0	"	9.94		81.0	70-130			
1,1,1-Trichloroethane	9.2	1.0	"	10.1		90.9	70-130			
1,2-Dichloroethane (EDC)	8.9	1.0	"	10.0		89.1	70-130			
Trichloroethene	8.8	1.0	"	10.1		87.7	70-130			
Tetrachloroethene	8.4	1.0	"	10.1		83.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	*52.4*		*"*	*50.2*		*104*	*76-134*			
Surrogate: Toluene-d8	*49.1*		*"*	*49.8*		*98.6*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*54.6*		*"*	*50.2*		*109*	*77-127*			
LCS (EH32003-BS2)				Prepared: 19-Aug-13 Analyzed: 20-Aug-13						
Vinyl chloride	9.4	1.0	ppbv	10.0		93.5	70-130			
1,1-Dichloroethene	9.9	1.0	"	10.0		98.2	70-130			
trans-1,2-Dichloroethene	9.6	2.0	"	10.0		95.4	70-130			
1,1-Dichloroethane	9.9	1.0	"	10.0		98.2	70-130			
cis-1,2-Dichloroethene	8.6	1.0	"	9.94		87.0	70-130			
1,1,1-Trichloroethane	9.3	1.0	"	10.1		92.5	70-130			
1,2-Dichloroethane (EDC)	9.2	1.0	"	10.0		92.0	70-130			
Trichloroethene	8.8	1.0	"	10.1		87.2	70-130			
Tetrachloroethene	8.7	1.0	"	10.1		86.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	*50.8*		*"*	*50.2*		*101*	*76-134*			
Surrogate: Toluene-d8	*47.9*		*"*	*49.8*		*96.1*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*53.1*		*"*	*50.2*		*106*	*77-127*			
LCS Dup (EH32003-BSD1)				Prepared & Analyzed: 19-Aug-13						
Vinyl chloride	10	1.0	ppbv	10.0		103	70-130	18.9	25	
1,1-Dichloroethene	11	1.0	"	10.0		107	70-130	13.0	25	
trans-1,2-Dichloroethene	10	2.0	"	10.0		104	70-130	14.0	25	

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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 EH32003 - TO-15										
LCS Dup (EH32003-BSD1)				Prepared & Analyzed: 19-Aug-13						
1,1-Dichloroethane	11	1.0	ppbv	10.0		106	70-130	11.7	25	
cis-1,2-Dichloroethene	9.3	1.0	"	9.94		93.7	70-130	14.5	25	
1,1,1-Trichloroethane	10	1.0	"	10.1		103	70-130	12.3	25	
1,2-Dichloroethane (EDC)	10	1.0	"	10.0		100	70-130	11.8	25	
Trichloroethene	10	1.0	"	10.1		99.3	70-130	12.5	25	
Tetrachloroethene	9.6	1.0	"	10.1		95.1	70-130	12.6	25	
Surrogate: 1,2-Dichloroethane-d4	*53.5*		*"*	*50.2*		*107*	*76-134*			
Surrogate: Toluene-d8	*48.1*		*"*	*49.8*		*96.6*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*55.0*		*"*	*50.2*		*110*	*77-127*			
LCS Dup (EH32003-BSD2)				Prepared: 19-Aug-13 Analyzed: 20-Aug-13						
Vinyl chloride	9.7	1.0	ppbv	10.0		96.9	70-130	3.55	25	
1,1-Dichloroethene	10	1.0	"	10.0		100	70-130	1.97	25	
trans-1,2-Dichloroethene	9.7	2.0	"	10.0		96.5	70-130	1.15	25	
1,1-Dichloroethane	10	1.0	"	10.0		99.6	70-130	1.42	25	
cis-1,2-Dichloroethene	8.9	1.0	"	9.94		89.1	70-130	2.38	25	
1,1,1-Trichloroethane	9.4	1.0	"	10.1		92.8	70-130	0.278	25	
1,2-Dichloroethane (EDC)	9.2	1.0	"	10.0		92.0	70-130	0.0325	25	
Trichloroethene	9.1	1.0	"	10.1		90.5	70-130	3.73	25	
Tetrachloroethene	8.7	1.0	"	10.1		86.1	70-130	0.897	25	
Surrogate: 1,2-Dichloroethane-d4	*51.6*		*"*	*50.2*		*103*	*76-134*			
Surrogate: Toluene-d8	*48.6*		*"*	*49.8*		*97.6*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*52.8*		*"*	*50.2*		*105*	*77-127*			

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1540 Eisenhower Place	Project Number: 004308.0001 / Tecumseh	Reported:
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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).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory (Certification # L11-175) in accordance with the DoD-ELAP program. H&P is approved by the State of Arizona under Certification Numbers AZM758 and AZ0779. H&P is approved as an Environmental Laboratory in conformance with the Environmental Laboratory Accreditation Program (CA) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste for the following methods:

Certificate# 2741, 2743, 2579, 2754 & 2740 approved for EPA 8260 and LUFT GC/MS
Certificate# 2742, 2745, & 2741 approved for LUFT
Certificate# 2745 & 2742 approved for EPA 418.1

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the National Environmental Accreditation Conference Standards for the category Environmental Analysis Air and Emissions for the following analytes and methods:

Hexachlorobutadiene by EPA TO-15 & TO-14A
1,2,4-Trichlorobenzene by EPA TO-15 & TO-14A
1,2-Dichlorobenzene by EPA TO-15 & TO-14A
Dichlorotetrafluoroethane by EPA TO-14A
1,4-Dichlorobenzene by EPA TO-15 & TO-14A
Benzene by EPA TO-15 & TO-14A
Chlorobenzene by EPA TO-15 & TO-14A
Ethyl benzene by EPA TO-15 & TO-14A
Styrene by EPA TO-15 & TO-14A
Toluene by EPA TO-15 & TO-14A
Total Xylenes by EPA TO-15
1,1,1-Trichloroethane by EPA TO-15 & TO-14A
1,1,2,2-Tetrachloroethane by EPA TO-15 & TO-14A
1,1,2-Trichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethene by EPA TO-15 & TO-14A
1,2-Dichloroethane by EPA TO-15 & TO-14A
1,2-Dichloropropane by EPA TO-15 & TO-14A
Benzyl Chloride by EPA TO-15 & TO-14A
Bromoform by EPA TO-15
Bromomethane by EPA TO-15 & TO-14A
Carbon tetrachloride by EPA TO-15 & TO-14A
Chloroethane by EPA TO-15 & TO-14A
Chloroform by EPA TO-15 & TO-14A
Chloromethane by EPA TO-15 & TO-14A
cis-1,2-Dichloroethene by EPA TO-15 & TO-14A
cis-1,3-Dichloropropene by EPA TO-15 & TO-14A
Methylene chloride by EPA TO -15 & TO-14A
Tetrachloroethane by EPA TO-15 & TO-14A
trans-1,2-Dichloroethene by EPA TO-15
trans-1,3-Dichloropropene by EPA TO-15 & TO-14A
Trichloroethene by EPA TO-15 & TO-14A
Vinyl chloride by EPA TO -15
2-Butanone by EPA TO-15
4-Methyl-2-Pentanone by EPA TO-15
Hexane by EPA TO-15
Methyl tert-butyl ether by EPA TO-15
Vinyl acetate by EPA TO-15

1,3-Dichlorobenzene by EPA TO-15 & TO-14A
Trichlorofluoromethane by EPA TO-14A
Naphthalene by H&P SOP TO-15/GC-MS
1,2-Dibromoethane (EDB) by EPA TO-15 & TO-14A
1,2-Dibromo-3-chloropropane by EPA TO-15
1,3-Butadiene by EPA TO-15
1,1,2-Trichlorotrifluoroethane by EPA TO-14A
Carbon disulfide by EPA TO-15
1,4-Dioxane by EPA TO-15

This certification applies to samples analyzed in summa canisters.

Chain of Custody Record

Mobile Geochemistry, Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: _____
H&P Project # TRC0813-10
Outside Lab: _____

Client: TPC/TRC
Collector: Rachel Sorter
Page: 1 of 3
Address: 1540 Eisenhower Place
Client Project # 4308.0001
Project Contact: Stacy Metz
Ann Arbor, MI 48108
Location: Tecumseh, MI
Email: smetz@trcsolutions.com
Phone: 734-585-7825 Fax: 734-971-9022 Turn around time: Std

Geotracker EDF: Yes ☐ No ☐
Global ID: _____
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☒ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☒ N/A
Cold: ☐ Yes ☐ No ☒ N/A
Temperature: R1

Special Instructions: * Report results in ppbv * LEVEL IV - YES (SV)
Client-specific EDD
Short list: PCE, TCE, 1-1,DCE, cis-DCE, trans-DCE, vinyl chloride, 1,1,1-TCA, 1,1-DCA, 1,2-DCA, 1,1-DFA
EDEX #: 7964343151690
7964343151679

Lab Work Order # E308062 PO # 54219

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	BTEX/OXY ☐ TPH gas ☐ 8260B	LUFT/8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☒ 1,1 DFA ☐ OTHER	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2	CAN #	VAC
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS												
SG-05		1 L	0858-0915	8/8/13	soil gas	SUMMA	1						X							X			442	-.8
SG-06			0934-1001																				403	-1.2
TVP-023 (SE)			1018-1032																				181	-.9
SG-07			1051-1118																				436	-1.1
SG-17			1140-1155																				401	-2.1
SG-16			1153-1204																				441	-1.6
SG-18			1328-1533																				423	-3.8
SG-10			1356-1413																				421	-1.3
SG-11			1410-1426																				416	-1.5
* DUP-01			XXXX																				189	-.9

Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time
Rachel N. Sorter	TRC	Fed Ex		8/9/13	1600
Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time
			H&P	8/13/13	1315
Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

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☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date:
(8) H&P Project # TRC 080313-10
Outside Lab:

Client: TPC / TRC
Collector: Rachel Sarta
Page: 2 of 3
Address: 1540 Eisenhower Place, Ann Arbor, MI 48108
Client Project # 4308.0001
Project Contact: Stacy Metz
Location: Tecumseh, MI
Email: smetz@trcsolutions.com
Phone: 734-585-7825
Fax: 734-971-9022
Turn around time: Std

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: RT

Special Instructions: * Report results in ppbv * LEVEL IV-YES (SW)
Client specific EDD
short list: PCE, TCE, 1,1-DCE, cis-DCE, trans DCE, vinyl chloride, 1,1,1-TCA, 1,1-DCA, 1,2-DCA, 1,1-DFA

Lab Work Order # E308062
PO # 54219

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	BTEX/OXY TPH gas	8015M TPH g d ext	418.1 TRPH	VOC's: Full List 8260B TO-15	VOC's: Short List/DTSC 8260B TO-15	VOC's: SAM, 8260B SAM A SAM B	Naphthalene 8260B TO-15	Oxygenates 8260B TO-15	TPHv gas 8260B TO-15	Ketones 8260B TO-15	Other 8260B TO-15	Leak Check Compound 1,1 DFA OTHER	Methane	Fixed Gases CO2 O2 N2	CAN #	VAC
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS												
SG-13		1 L	1449-1519	8/5/13	soil gas	SUMMA	1						X							X			419	-3.1
SG-19			1506-1524																				429	-.9
SG-15R			1605-1622																				425	-.87
SG-20			1643-1707																				197	-1
SG-21			1728-1744																				424	-1.2
SG-01			1805-1825																				414	-1.5
SG-04			1627-1644	8/6/13																			432	-2.1
SG-08			1102-1229																				398	-2.8
SG-02			1150-1200																				179	-2.7
DUP-02			XXXX																				393	-3.2

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Rachel T. Sarta	TRC	Fed Ex		8/9/13	1600
	(company)		(company)	Date:	Time:
			H&P	8/13/13	1315
	(company)		(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date:
H&P Project # TRC081313-10
Outside Lab:

Client: TPC/TRC
Address: 1540 Eisenhower Place, Ann Arbor, MI 48108
Email: Smetz@trcsolutions.com
Collector: Rachel Sartor
Client Project # 004308.0001
Location: Tecumseh, MI
Phone: 734-585-7825 Fax: 734-971-9022
Page: 3 of 3
Project Contact: Stacy Metz
Turn around time: Std

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☐ No ☐

Sample Receipt
Intact: ☒ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☒ N/A
Cold: ☐ Yes ☐ No ☒ N/A
Temperature: RT

Special Instructions: * Report results in ppbv * LEVEL IV-YES (SW)
Client specific EDD
Short list: PCE, TCE, 1,1-DCE, cis-DCE, trans-DCE, vinyl chloride, 1,1,1-TCE, 1,1-DCA, 1,2-DCA, 1,1-DFA

Lab Work Order # E308062 PO#54219

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	BTEX/OXY ☐ TPH gas ☐ 8260B	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ☐ 8260B ☐ TO-15	Leak Check Compound ☒ 1,1 DFA ☐ OTHER	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2	CAN # VAC
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS											
SG-14R		1L	0933-1353	3/9/13	Soil gas	SUMMA	1						X							X			172 -4
SG-12R	25 psi →	*LOW VOLUME	0954-1350																				368 -20.6
SG-09		1L	1218-1342																				435 -1.4
SG-03R yste			1325-1330																				381 -2.3

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Rachel T. Sartor	TRC	Fed Ex		3/9/13	1600
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Mobile
Geochemistry Inc.

04 December 2013

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

H&P Project: TRC111913-11
Client Project: 4308.0001 / 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 19-Nov-13 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

Unless otherwise noted, 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 Villarreal

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. operates under CA Environmental Lab Accreditation Program Numbers 2579, 2740, 2741, 2742, 2743, 2745 and 2754. National Environmental Laboratory Accreditation Conference (NELAC) Standards Lab #11845

H&P Mobile
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760-804-9678 Phone
760-804-9159 Fax

TRC Environmental - MI	Project: TRC111913-11	
1540 Eisenhower Place	Project Number: 4308.0001 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	04-Dec-13 12:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG-05	E311076-01	Vapor	12-Nov-13	19-Nov-13
SG-01	E311076-02	Vapor	12-Nov-13	19-Nov-13
SG-06	E311076-03	Vapor	12-Nov-13	19-Nov-13
TVP-02S	E311076-04	Vapor	12-Nov-13	19-Nov-13
SG-17	E311076-05	Vapor	12-Nov-13	19-Nov-13
SG-21	E311076-06	Vapor	12-Nov-13	19-Nov-13
SG-20	E311076-07	Vapor	12-Nov-13	19-Nov-13
SG-07	E311076-08	Vapor	12-Nov-13	19-Nov-13
DUP-01	E311076-09	Vapor	12-Nov-13	19-Nov-13
SG-14R	E311076-10	Vapor	13-Nov-13	19-Nov-13
SG-12R	E311076-11	Vapor	13-Nov-13	19-Nov-13
SG-16	E311076-12	Vapor	13-Nov-13	19-Nov-13
SG-18	E311076-13	Vapor	13-Nov-13	19-Nov-13
SG-10	E311076-14	Vapor	13-Nov-13	19-Nov-13
SG-15R	E311076-15	Vapor	13-Nov-13	19-Nov-13
SG-02	E311076-16	Vapor	13-Nov-13	19-Nov-13
SG-03	E311076-17	Vapor	13-Nov-13	19-Nov-13
SG-04	E311076-18	Vapor	13-Nov-13	19-Nov-13
SG-11	E311076-19	Vapor	14-Nov-13	19-Nov-13
SG-08	E311076-20	Vapor	14-Nov-13	19-Nov-13
SG-09	E311076-21	Vapor	14-Nov-13	19-Nov-13
SG-13	E311076-22	Vapor	14-Nov-13	19-Nov-13
SG-19	E311076-23	Vapor	14-Nov-13	19-Nov-13
DUP-02	E311076-24	Vapor	14-Nov-13	19-Nov-13

Please be advised that several samples have 1,1-Difluoroethane (1,1-DFA) results that are reported as ND but were analyzed at a dilution of 100. Since these samples contained 1,1-DFA concentrations that were above the calibration range of the instrument when analyzed concentrated, a dilution was necessary to confirm the result. It should be noted that the dilution used did not raise the reporting limit.

The internal standard used to quantitate 1,1-DFA fell above the method criteria for the diluted analysis in sample SG-07. However, since

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TRC Environmental - MI	Project: TRC111913-11	
1540 Eisenhower Place	Project Number: 4308.0001 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	04-Dec-13 12:07

this analysis was only used to confirm that the 1,1-DFA result was below the reporting limit, the data should not be affected.

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TRC Environmental - MI	Project: TRC111913-11	
1540 Eisenhower Place	Project Number: 4308.0001 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	04-Dec-13 12:07

DETECTIONS SUMMARY

Sample ID: **SG-05** Laboratory ID: **E311076-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**7300**	3600	ppbv	EPA TO-15	
1,1,1-Trichloroethane	**170**	1.0	ppbv	EPA TO-15	
Trichloroethene	**260**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-01** Laboratory ID: **E311076-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**13**	1.0	ppbv	EPA TO-15	
trans-1,2-Dichloroethene	**15**	2.0	ppbv	EPA TO-15	
1,1-Dichloroethane	**42**	1.0	ppbv	EPA TO-15	
cis-1,2-Dichloroethene	**160**	1.0	ppbv	EPA TO-15	
1,1,1-Trichloroethane	**6000**	100	ppbv	EPA TO-15	
Trichloroethene	**51000**	100	ppbv	EPA TO-15	
Tetrachloroethene	**950**	100	ppbv	EPA TO-15	

Sample ID: **SG-06** Laboratory ID: **E311076-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**120000**	3600	ppbv	EPA TO-15	
Trichloroethene	**6.0**	1.0	ppbv	EPA TO-15	
Tetrachloroethene	**8.9**	1.0	ppbv	EPA TO-15	

Sample ID: **TVP-02S** Laboratory ID: **E311076-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SG-17** Laboratory ID: **E311076-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,1-Trichloroethane	**300**	1.0	ppbv	EPA TO-15	
Trichloroethene	**6.2**	1.0	ppbv	EPA TO-15	
Tetrachloroethene	**5.1**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-21** Laboratory ID: **E311076-06**

Analyte	Result	Reporting Limit	Units	Method	Notes

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Carlsbad, CA 92010
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TRC Environmental - MI	Project: TRC111913-11	
1540 Eisenhower Place	Project Number: 4308.0001 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	04-Dec-13 12:07

Sample ID: **SG-21** Laboratory ID: **E311076-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SG-20** Laboratory ID: **E311076-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,1-Trichloroethane	**1.4**	1.0	ppbv	EPA TO-15	
Trichloroethene	**23**	1.0	ppbv	EPA TO-15	
Tetrachloroethene	**13**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-07** Laboratory ID: **E311076-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,1-Trichloroethane	**7.7**	1.0	ppbv	EPA TO-15	
Trichloroethene	**340**	1.0	ppbv	EPA TO-15	
Tetrachloroethene	**160**	1.0	ppbv	EPA TO-15	

Sample ID: **DUP-01** Laboratory ID: **E311076-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,1-Trichloroethane	**7.6**	1.0	ppbv	EPA TO-15	
Trichloroethene	**350**	1.0	ppbv	EPA TO-15	
Tetrachloroethene	**160**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-14R** Laboratory ID: **E311076-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**46000**	3600	ppbv	EPA TO-15	

Sample ID: **SG-12R** Laboratory ID: **E311076-11**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**31000**	3600	ppbv	EPA TO-15	
cis-1,2-Dichloroethene	**1.9**	1.0	ppbv	EPA TO-15	
Trichloroethene	**5.6**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-16** Laboratory ID: **E311076-12**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**45000**	3600	ppbv	EPA TO-15	

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760-804-9159 Fax

TRC Environmental - MI	Project: TRC111913-11	
1540 Eisenhower Place	Project Number: 4308.0001 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	04-Dec-13 12:07

Sample ID: **SG-18** Laboratory ID: **E311076-13**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SG-10** Laboratory ID: **E311076-14**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**150000**	3600	ppbv	EPA TO-15	E

Sample ID: **SG-15R** Laboratory ID: **E311076-15**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**4100**	3600	ppbv	EPA TO-15	

Sample ID: **SG-02** Laboratory ID: **E311076-16**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**22000**	3600	ppbv	EPA TO-15	
1,1-Dichloroethene	**2.0**	1.0	ppbv	EPA TO-15	
trans-1,2-Dichloroethene	**10**	2.0	ppbv	EPA TO-15	
1,1-Dichloroethane	**7.4**	1.0	ppbv	EPA TO-15	
cis-1,2-Dichloroethene	**51**	1.0	ppbv	EPA TO-15	
1,1,1-Trichloroethane	**270**	1.0	ppbv	EPA TO-15	
Trichloroethene	**1800**	100	ppbv	EPA TO-15	
Tetrachloroethene	**950**	100	ppbv	EPA TO-15	

Sample ID: **SG-03** Laboratory ID: **E311076-17**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**28000**	3600	ppbv	EPA TO-15	

Sample ID: **SG-04** Laboratory ID: **E311076-18**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**30000**	3600	ppbv	EPA TO-15	

Sample ID: **SG-11** Laboratory ID: **E311076-19**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

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Geochemistry Inc.

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Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

TRC Environmental - MI	Project: TRC111913-11	
1540 Eisenhower Place	Project Number: 4308.0001 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	04-Dec-13 12:07

Sample ID: **SG-08** Laboratory ID: **E311076-20**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,1-Trichloroethane	**2.6**	1.0	ppbv	EPA TO-15	
Trichloroethene	**3.2**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-09** Laboratory ID: **E311076-21**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,1-Trichloroethane	**35**	1.0	ppbv	EPA TO-15	
Trichloroethene	**170**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-13** Laboratory ID: **E311076-22**

Analyte	Result	Reporting Limit	Units	Method	Notes
trans-1,2-Dichloroethene	**4.5**	2.0	ppbv	EPA TO-15	

Sample ID: **SG-19** Laboratory ID: **E311076-23**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **DUP-02** Laboratory ID: **E311076-24**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,1-Trichloroethane	**2.5**	1.0	ppbv	EPA TO-15	
Trichloroethene	**3.7**	1.0	ppbv	EPA TO-15	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

TRC Environmental - MI	Project: TRC111913-11	
1540 Eisenhower Place	Project Number: 4308.0001 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	04-Dec-13 12:07

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-05 (E311076-01) Vapor Sampled: 12-Nov-13 Received: 19-Nov-13									
1,1-Difluoroethane (LCC)	**7300**	3600	ppbv	100	EK32208	22-Nov-13	27-Nov-13	EPA TO-15	
Vinyl chloride	ND	1.0	"	1	"	"	22-Nov-13	"	
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	**170**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**260**	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*117 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*109 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*77-127*	"	"	"	"	
SG-01 (E311076-02) Vapor Sampled: 12-Nov-13 Received: 19-Nov-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EK32208	22-Nov-13	22-Nov-13	EPA TO-15	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	**13**	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**15**	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	**42**	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**160**	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	**6000**	100	"	100	"	"	27-Nov-13	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	1	"	"	22-Nov-13	"	
Trichloroethene	**51000**	100	"	100	"	"	27-Nov-13	"	
Tetrachloroethene	**950**	100	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*115 %*		*76-134*	"	"	*22-Nov-13*	"	
Surrogate: Toluene-d8		*104 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*77-127*	"	"	"	"	

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TRC Environmental - MI	Project: TRC111913-11	
1540 Eisenhower Place	Project Number: 4308.0001 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	04-Dec-13 12:07

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-06 (E311076-03) Vapor Sampled: 12-Nov-13 Received: 19-Nov-13									
1,1-Difluoroethane (LCC)	**120000**	3600	ppbv	100	EK32208	22-Nov-13	27-Nov-13	EPA TO-15	
Vinyl chloride	ND	1.0	"	1	"	"	22-Nov-13	"	
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	**6.0**	1.0	"	"	"	"	"	"	
Tetrachloroethene	**8.9**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*116 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*77-127*	"	"	"	"	
TVP-02S (E311076-04) Vapor Sampled: 12-Nov-13 Received: 19-Nov-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	100	EK32208	22-Nov-13	27-Nov-13	EPA TO-15	
Vinyl chloride	ND	1.0	"	1	"	"	22-Nov-13	"	
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		*116 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*111 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*77-127*	"	"	"	"	

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TRC Environmental - MI	Project: TRC111913-11	
1540 Eisenhower Place	Project Number: 4308.0001 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	04-Dec-13 12:07

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-17 (E311076-05) Vapor Sampled: 12-Nov-13 Received: 19-Nov-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EK32208	22-Nov-13	22-Nov-13	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	**300**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**6.2**	1.0	"	"	"	"	"	"	
Tetrachloroethene	**5.1**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*115 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*112 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*77-127*	"	"	"	"	
SG-21 (E311076-06) Vapor Sampled: 12-Nov-13 Received: 19-Nov-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EK32208	22-Nov-13	22-Nov-13	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		*118 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*109 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*77-127*	"	"	"	"	

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TRC Environmental - MI	Project: TRC111913-11	
1540 Eisenhower Place	Project Number: 4308.0001 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	04-Dec-13 12:07

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-20 (E311076-07) Vapor Sampled: 12-Nov-13 Received: 19-Nov-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EK32208	22-Nov-13	22-Nov-13	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	**1.4**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**23**	1.0	"	"	"	"	"	"	
Tetrachloroethene	**13**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*116 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*77-127*	"	"	"	"	
SG-07 (E311076-08) Vapor Sampled: 12-Nov-13 Received: 19-Nov-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	100	EK32208	22-Nov-13	27-Nov-13	EPA TO-15	
Vinyl chloride	ND	1.0	"	1	"	"	22-Nov-13	"	
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	**7.7**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**340**	1.0	"	"	"	"	"	"	
Tetrachloroethene	**160**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*115 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*77-127*	"	"	"	"	

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TRC Environmental - MI	Project: TRC111913-11	
1540 Eisenhower Place	Project Number: 4308.0001 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	04-Dec-13 12:07

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DUP-01 (E311076-09) Vapor Sampled: 12-Nov-13 Received: 19-Nov-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EK32208	22-Nov-13	22-Nov-13	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	**7.6**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**350**	1.0	"	"	"	"	"	"	
Tetrachloroethene	**160**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*117 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*77-127*	"	"	"	"	
SG-14R (E311076-10) Vapor Sampled: 13-Nov-13 Received: 19-Nov-13									
1,1-Difluoroethane (LCC)	**46000**	3600	ppbv	100	EK32208	22-Nov-13	27-Nov-13	EPA TO-15	
Vinyl chloride	ND	1.0	"	1	"	"	22-Nov-13	"	
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		*115 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*77-127*	"	"	"	"	

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TRC Environmental - MI	Project: TRC111913-11	
1540 Eisenhower Place	Project Number: 4308.0001 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	04-Dec-13 12:07

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-12R (E311076-11) Vapor Sampled: 13-Nov-13 Received: 19-Nov-13									
1,1-Difluoroethane (LCC)	**31000**	3600	ppbv	100	EK32208	22-Nov-13	27-Nov-13	EPA TO-15	
Vinyl chloride	ND	1.0	"	1	"	"	22-Nov-13	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**1.9**	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**5.6**	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*77-127*	"	"	"	"	
SG-16 (E311076-12) Vapor Sampled: 13-Nov-13 Received: 19-Nov-13									
1,1-Difluoroethane (LCC)	**45000**	3600	ppbv	100	EK32208	22-Nov-13	27-Nov-13	EPA TO-15	
Vinyl chloride	ND	1.0	"	1	"	"	22-Nov-13	"	
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		*117 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*77-127*	"	"	"	"	

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TRC Environmental - MI	Project: TRC111913-11	
1540 Eisenhower Place	Project Number: 4308.0001 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	04-Dec-13 12:07

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-18 (E311076-13) Vapor Sampled: 13-Nov-13 Received: 19-Nov-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EK32208	22-Nov-13	22-Nov-13	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		*117 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*109 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*77-127*	"	"	"	"	
SG-10 (E311076-14) Vapor Sampled: 13-Nov-13 Received: 19-Nov-13									
1,1-Difluoroethane (LCC)	**150000**	3600	ppbv	100	EK32208	22-Nov-13	27-Nov-13	EPA TO-15	E
Vinyl chloride	ND	1.0	"	1	"	"	22-Nov-13	"	
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		*118 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*77-127*	"	"	"	"	

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Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-15R (E311076-15) Vapor Sampled: 13-Nov-13 Received: 19-Nov-13									
1,1-Difluoroethane (LCC)	**4100**	3600	ppbv	100	EK32208	22-Nov-13	27-Nov-13	EPA TO-15	
Vinyl chloride	ND	1.0	"	1	"	"	22-Nov-13	"	
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		*116 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*117 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.7 %*		*77-127*	"	"	"	"	
SG-02 (E311076-16) Vapor Sampled: 13-Nov-13 Received: 19-Nov-13									
1,1-Difluoroethane (LCC)	**22000**	3600	ppbv	100	EK32208	22-Nov-13	27-Nov-13	EPA TO-15	
Vinyl chloride	ND	1.0	"	1	"	"	22-Nov-13	"	
1,1-Dichloroethene	**2.0**	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**10**	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	**7.4**	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**51**	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	**270**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**1800**	100	"	100	"	"	27-Nov-13	"	
Tetrachloroethene	**950**	100	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*117 %*		*76-134*	"	"	*22-Nov-13*	"	
Surrogate: Toluene-d8		*107 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*77-127*	"	"	"	"	

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TRC Environmental - MI	Project: TRC111913-11	
1540 Eisenhower Place	Project Number: 4308.0001 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	04-Dec-13 12:07

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-03 (E311076-17) Vapor Sampled: 13-Nov-13 Received: 19-Nov-13									
1,1-Difluoroethane (LCC)	**28000**	3600	ppbv	100	EK32208	22-Nov-13	27-Nov-13	EPA TO-15	
Vinyl chloride	ND	1.0	"	1	"	"	22-Nov-13	"	
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		*116 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*115 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.4 %*		*77-127*	"	"	"	"	
SG-04 (E311076-18) Vapor Sampled: 13-Nov-13 Received: 19-Nov-13									
1,1-Difluoroethane (LCC)	**30000**	3600	ppbv	100	EK32506	25-Nov-13	27-Nov-13	EPA TO-15	
Vinyl chloride	ND	1.0	"	1	"	"	26-Nov-13	"	
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		*104 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*77-127*	"	"	"	"	

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TRC Environmental - MI	Project: TRC111913-11	
1540 Eisenhower Place	Project Number: 4308.0001 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	04-Dec-13 12:07

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-11 (E311076-19) Vapor Sampled: 14-Nov-13 Received: 19-Nov-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EK32506	25-Nov-13	26-Nov-13	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		*106 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*77-127*	"	"	"	"	
SG-08 (E311076-20) Vapor Sampled: 14-Nov-13 Received: 19-Nov-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EK32506	25-Nov-13	26-Nov-13	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	**2.6**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**3.2**	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*109 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*77-127*	"	"	"	"	

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TRC Environmental - MI	Project: TRC111913-11	
1540 Eisenhower Place	Project Number: 4308.0001 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	04-Dec-13 12:07

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-09 (E311076-21) Vapor Sampled: 14-Nov-13 Received: 19-Nov-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EK32506	25-Nov-13	26-Nov-13	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	**35**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**170**	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*109 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*109 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*77-127*	"	"	"	"	
SG-13 (E311076-22) Vapor Sampled: 14-Nov-13 Received: 19-Nov-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EK32506	25-Nov-13	26-Nov-13	EPA TO-15	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**4.5**	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		*112 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*77-127*	"	"	"	"	

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TRC Environmental - MI	Project: TRC111913-11	
1540 Eisenhower Place	Project Number: 4308.0001 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	04-Dec-13 12:07

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-19 (E311076-23) Vapor Sampled: 14-Nov-13 Received: 19-Nov-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EK32506	25-Nov-13	26-Nov-13	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		*112 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*77-127*	"	"	"	"	
DUP-02 (E311076-24) Vapor Sampled: 14-Nov-13 Received: 19-Nov-13									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EK32506	25-Nov-13	26-Nov-13	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	**2.5**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**3.7**	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*113 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*77-127*	"	"	"	"	

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TRC Environmental - MI	Project: TRC111913-11	
1540 Eisenhower Place	Project Number: 4308.0001 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	04-Dec-13 12:07

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 EK32208 - TO-15										
Blank (EK32208-BLK1)				Prepared & Analyzed: 22-Nov-13						
1,1-Difluoroethane (LCC)	ND	3600	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	*57.9*		*"*	*50.2*		*115*	*76-134*			
Surrogate: Toluene-d8	*53.0*		*"*	*49.8*		*106*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*50.6*		*"*	*50.2*		*101*	*77-127*			
LCS (EK32208-BS1)				Prepared & Analyzed: 22-Nov-13						
Vinyl chloride	23	1.0	ppbv	20.1		117	70-130			
1,1-Dichloroethene	20	1.0	"	20.1		98.7	70-130			
trans-1,2-Dichloroethene	18	2.0	"	20.1		91.4	70-130			
1,1-Dichloroethane	19	1.0	"	20.1		96.5	70-130			
cis-1,2-Dichloroethene	20	1.0	"	19.9		99.4	70-130			
1,1,1-Trichloroethane	21	1.0	"	20.2		106	70-130			
1,2-Dichloroethane (EDC)	22	1.0	"	20.1		111	70-130			
Trichloroethene	20	1.0	"	20.1		98.0	70-130			
Tetrachloroethene	18	1.0	"	20.1		89.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	*57.1*		*"*	*50.2*		*114*	*76-134*			
Surrogate: Toluene-d8	*53.1*		*"*	*49.8*		*107*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*50.7*		*"*	*50.2*		*101*	*77-127*			

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TRC Environmental - MI	Project: TRC111913-11	
1540 Eisenhower Place	Project Number: 4308.0001 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	04-Dec-13 12:07

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 EK32208 - TO-15										
LCS Dup (EK32208-BSD1)				Prepared & Analyzed: 22-Nov-13						
Vinyl chloride	24	1.0	ppbv	20.1		121	70-130	3.72	25	
1,1-Dichloroethene	20	1.0	"	20.1		101	70-130	2.10	25	
trans-1,2-Dichloroethene	19	2.0	"	20.1		93.1	70-130	1.78	25	
1,1-Dichloroethane	19	1.0	"	20.1		96.0	70-130	0.518	25	
cis-1,2-Dichloroethene	20	1.0	"	19.9		101	70-130	1.76	25	
1,1,1-Trichloroethane	21	1.0	"	20.2		105	70-130	0.612	25	
1,2-Dichloroethane (EDC)	22	1.0	"	20.1		112	70-130	0.760	25	
Trichloroethene	19	1.0	"	20.1		93.7	70-130	4.46	25	
Tetrachloroethene	18	1.0	"	20.1		88.4	70-130	1.62	25	
Surrogate: 1,2-Dichloroethane-d4	*57.4*		*"*	*50.2*		*114*	*76-134*			
Surrogate: Toluene-d8	*52.4*		*"*	*49.8*		*105*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*51.7*		*"*	*50.2*		*103*	*77-127*			
Batch EK32506 - TO-15										
Blank (EK32506-BLK1)				Prepared & Analyzed: 25-Nov-13						
1,1-Difluoroethane (LCC)	ND	3600	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	*57.5*		*"*	*50.2*		*115*	*76-134*			
Surrogate: Toluene-d8	*53.6*		*"*	*49.8*		*108*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*51.5*		*"*	*50.2*		*103*	*77-127*			

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Volatile Organic Compounds by EPA TO-15 - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK32506 - TO-15										
LCS (EK32506-BS1)				Prepared & Analyzed: 25-Nov-13						
Vinyl chloride	21	1.0	ppbv	20.1		106	70-130			
1,1-Dichloroethene	24	1.0	"	20.1		119	70-130			
trans-1,2-Dichloroethene	17	2.0	"	20.1		85.8	70-130			
1,1-Dichloroethane	18	1.0	"	20.1		87.8	70-130			
cis-1,2-Dichloroethene	18	1.0	"	19.9		92.0	70-130			
1,1,1-Trichloroethane	19	1.0	"	20.2		94.9	70-130			
1,2-Dichloroethane (EDC)	20	1.0	"	20.1		102	70-130			
Trichloroethene	17	1.0	"	20.1		86.5	70-130			
Tetrachloroethene	16	1.0	"	20.1		80.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	*57.2*		*"*	*50.2*		*114*	*76-134*			
Surrogate: Toluene-d8	*53.8*		*"*	*49.8*		*108*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*51.9*		*"*	*50.2*		*103*	*77-127*			
LCS Dup (EK32506-BSD1)				Prepared & Analyzed: 25-Nov-13						
Vinyl chloride	22	1.0	ppbv	20.1		109	70-130	2.56	25	
1,1-Dichloroethene	18	1.0	"	20.1		89.5	70-130	28.0	25	QR-02
trans-1,2-Dichloroethene	17	2.0	"	20.1		84.2	70-130	1.87	25	
1,1-Dichloroethane	18	1.0	"	20.1		88.2	70-130	0.396	25	
cis-1,2-Dichloroethene	18	1.0	"	19.9		90.7	70-130	1.43	25	
1,1,1-Trichloroethane	19	1.0	"	20.2		95.4	70-130	0.469	25	
1,2-Dichloroethane (EDC)	21	1.0	"	20.1		103	70-130	1.36	25	
Trichloroethene	17	1.0	"	20.1		86.8	70-130	0.287	25	
Tetrachloroethene	16	1.0	"	20.1		81.4	70-130	0.921	25	
Surrogate: 1,2-Dichloroethane-d4	*58.0*		*"*	*50.2*		*116*	*76-134*			
Surrogate: Toluene-d8	*53.7*		*"*	*49.8*		*108*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*50.9*		*"*	*50.2*		*101*	*77-127*			

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1540 Eisenhower Place	Project Number: 4308.0001 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	04-Dec-13 12:07

Notes and Definitions

QR-02	The RPD result exceeded the QC control limits. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

TRC Environmental - MI	Project: TRC111913-11	
1540 Eisenhower Place	Project Number: 4308.0001 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	04-Dec-13 12:07

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory (Certification # L11-175) in accordance with the DoD-ELAP program. H&P is approved by the State of Arizona under Certification Numbers AZM758 and AZ0779. H&P is approved as an Environmental Laboratory in conformance with the Environmental Laboratory Accreditation Program (CA) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste for the following methods:

Certificate# 2741, 2743, 2579, 2754 & 2740 approved for EPA 8260 and LUFT GC/MS
Certificate# 2742, 2745, & 2741 approved for LUFT
Certificate# 2745 & 2742 approved for EPA 418.1

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the National Environmental Accreditation Conference Standards for the category Environmental Analysis Air and Emissions for the following analytes and methods:

Hexachlorobutadiene by EPA TO-15 & TO-14A
1,2,4-Trichlorobenzene by EPA TO-15 & TO-14A
1,2-Dichlorobenzene by EPA TO-15 & TO-14A
Dichlorotetrafluoroethane by EPA TO-14A
1,4-Dichlorobenzene by EPA TO-15 & TO-14A
Benzene by EPA TO-15 & TO-14A
Chlorobenzene by EPA TO-15 & TO-14A
Ethyl benzene by EPA TO-15 & TO-14A
Styrene by EPA TO-15 & TO-14A
Toluene by EPA TO-15 & TO-14A
Total Xylenes by EPA TO-15
1,1,1-Trichloroethane by EPA TO-15 & TO-14A
1,1,2,2-Tetrachloroethane by EPA TO-15 & TO-14A
1,1,2-Trichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethene by EPA TO-15 & TO-14A
1,2-Dichloroethane by EPA TO-15 & TO-14A
1,2-Dichloropropane by EPA TO-15 & TO-14A
Benzyl Chloride by EPA TO-15 & TO-14A
Bromoform by EPA TO-15
Bromomethane by EPA TO-15 & TO-14A
Carbon tetrachloride by EPA TO-15 & TO-14A
Chloroethane by EPA TO-15 & TO-14A
Chloroform by EPA TO-15 & TO-14A
Chloromethane by EPA TO-15 & TO-14A
cis-1,2-Dichloroethene by EPA TO-15 & TO-14A
cis-1,3-Dichloropropene by EPA TO-15 & TO-14A
Methylene chloride by EPA TO -15 & TO-14A
Tetrachloroethane by EPA TO-15 & TO-14A
trans-1,2-Dichloroethene by EPA TO-15
trans-1,3-Dichloropropene by EPA TO-15 & TO-14A
Trichloroethene by EPA TO-15 & TO-14A
Vinyl chloride by EPA TO -15
2-Butanone by EPA TO-15
4-Methyl-2-Pentanone by EPA TO-15
Hexane by EPA TO-15
Methyl tert-butyl ether by EPA TO-15
Vinyl acetate by EPA TO-15

1,3-Dichlorobenzene by EPA TO-15 & TO-14A
Trichlorofluoromethane by EPA TO-14A
Naphthalene by H&P SOP TO-15/GC-MS
1,2-Dibromoethane (EDB) by EPA TO-15 & TO-14A
1,2-Dibromo-3-chloropropane by EPA TO-15
1,3-Butadiene by EPA TO-15
1,1,2-Trichlorotrifluoroethane by EPA TO-14A
Carbon disulfide by EPA TO-15
1,4-Dioxane by EPA TO-15

This certification applies to samples analyzed in summa canisters.

Chain of Custody Record

H&P Mobile Geochemistry, Inc.

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date:
H&P Project # TRC111913-11
Outside Lab:

Client: TPC/TRC
Collector: Rachel N Sartor
Page: 1 of 3
Address: 1540 Eisenhower Place, Ann Arbor, MI 48108
Client Project # 4308.0001
Project Contact: Stacy Metz
Location: Tecumseh, MI
Email: smetz@trcsolutions.com
Phone: 734-585-7825 Fax: 734-971-9022 Turn around time: Std.

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: *TRC EDD Yes ☒ No ☐ LEVEL IV REQUIRED

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: RT

Special Instructions: *Report Results in ppbv* WO#: E311076
Client-specific EDD
Short List: PCE, TCE, 1,1-DCE, Cis-DCE, trans-DCE, vinyl chloride, 1,1,1-TCA, 1,1-DCA, 1,2-DCA, 1,1-DFA
Fedex# 7971 6894 6718
Lab Work Order # 7971 6894 6420
PO 54219

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	BTEX/OXY ☐ TPH gas 8260B	LUFT/8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ☐ 8260B ☐ TO-15	Leak Check Compound ☒ 1,1 DFA ☐ OTHER	Methane	Fixed Gases ☐ CO2 ☐ O2 ☐ N2	CAN#	VAC # Gauge # 11167
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS												
SG-05		1 L	11/12/13 0917-0930		soil gas	Summa	1						X							X			385	1.4
SG-01			1017-1037	11/12/13																			199	1.6
SG-06			1059-1130																				341	1.4
TVP-02S			1147-1218																				363	.4
SG-17			1342-1410																				434	1.8
SG-21			1514-1534																				197	2.1
SG-20			1530-1549																				420	2.0
SG-07			1611-1653																				177	2.1
DUP-01			XXXX																				444	2.2
SG-14R			0915-1658	11/13/13																			180	1.5

Approved/Relinquished by: (Signature)	(company)	Received by (Signature)	(company)	Date:	Time:
Rachel N. Sartor	TRC	Fed Ex		11/15/13	0815
	(company)		(company)	Date:	Time:
Approved/Relinquished by: (Signature)		Received by (Signature)	H&P	11/14/13	1350
Approved/Relinquished by: (Signature)	(company)	Received by (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry, Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: _____
H&P Project # TRC111913-11
Outside Lab: _____

Client: TPC/TRC
Address: 1545 Eisenhower Place, Ann Arbor, MI 48108
Email: Smetz@trcsolutions.com
Collector: Rachel N Sartor
Client Project # 4308.0001
Location: Tecumseh, MI
Phone: 734-585-7825 Fax: 734-971-9022
Page: 2 of 3
Project Contact: Stacy Metz
Turn around time: Std

Geotracker EDF: Yes ☐ No ☐
Global ID: _____
Excel EDD: *TRC EDD Yes ☒ No ☐
LEVEL III REQUIRED

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: RT

Special Instructions: * Results in ppbv *
Client-specific EDD
Short List: PCE, TCE, 1,1-DCE, cis-DCE, trans-DCE, vinyl chloride, 1,1,1-TCA, 1,1-DCA, 1,2-DCA, 1,1-DFA

Lab Work Order # E311076
PO 54219

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	BTEX/OXY TPH gas	LUFT/8015M TPH g d ext	418.1 TRPH	VOC's: Full List 8260B TO-15	VOC's: Short List/DTSC 8260B TO-15	VOC's: SAM, 8260B SAM A SAM B	Naphthalene 8260B TO-15	Oxygenates 8260B TO-15	TPHv gas 8260B TO-15	Ketones 8260B TO-15	Other 8260B TO-15	Leak Check Compound 1,1 DFA OTHER	Methane	Fixed Gases CO2 O2 N2	CAN #	VAC # Gauge # 1116
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS												
SG-12R		~15 psi	0947-1653	11/13/13	Soil Gas	Summa	1						X							X			171	-14.7
SG-16		1 L	1020-1032																				400	1.9
SG-18			1106-1134																				154	1.0
SG-10			1122-1137																				200	1.1
SG-15R			1344-1410																				372	.5
SG-02			1435-1448																				445	.3
SG-03			1519-1537																				422	.6
SG-04			1615-1701																				432	2.1
SG-11			0930-1000	11/14/13																			371	.7
SG-08			1024-1050																				311	.8

Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time
Rachel N. Sartor	TRC	Fed Ex		11/15/13	0815
		Smart	Hall	11/19/13	1350

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry, Inc.

2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date:
H&P Project # TRC111913-11
Outside Lab:

Client: TPC/TRC
Collector: Rachel N Sartor
Page: 3 of 3
Address: 1540 Eisenhower Place
Ann Arbor, MI 48108
Client Project # 4308.0001
Location: Tecumseh, MI
Project Contact: Stacy Metz
Email: smetz@trcsolutions.com
Phone: 734-585-7525 Fax: 734-971-9022 Turn around time: Std

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: *TRC EDD Yes ☒ No ☐ LEVEL II REQUIRED SD

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: RT

Special Instructions: * Results in ppbv *
Client-specific EDD
Short List: TCE, PCE, 1,1-DCE, cis-DCE, trans-DCE, vinyl chloride, 1,1,1-TCA, 1,1-DCA, 1,2-DCA, 1,1-DFA

Lab Work Order # E311076 PO 54219

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	BTEX/OXY	TPH gas	LUFT/8015M TPH	g	d	ext	418.1 TRPH	VOC's: Full List 8260B	VOC's: Short List/DTSC 8260B	TO-15	VOC's: SAM, 8260B	SAM A	SAM B	Naphthalene 8260B	TO-15	Oxygenates 8260B	TO-15	TPHv gas 8260B	TO-15	Ketones 8260B	TO-15	Other	8260B	TO-15	Leak Check Compound	1,1 DFA	OTHER	Methane	Fixed Gases	N_2	CO_2	O_2	CAN #	VAC # Gauge # 11167
								SOIL/GW								SOIL VAPOR/AIR ANALYSIS																											
SG-09		1L	1035-1058	11/14/13	Soil gas	Summa	1										X															X								373	1.7
SG-13			1122-1138																																				401	.3
SG-19			1151-1210																																				351	1.2
DUP-02			XXXX																																				198	.9

Approved/Relinquished by: (Signature) Rachel N Sartor	(company) TRC	Received by: (Signature) Fed Ex	(company)	Date: 11/15/13	Time: 0815
Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company) H&P	Date: 11/19/13	Time: 1350
Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction ☐ Disposal ☐ Return to client ☐ Pickup

Mobile Geochemistry Inc.

08 April 2014

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

H&P Project: TRC033114-12
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 31-Mar-14 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

Unless otherwise noted, 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 Villarreal

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. operates under CA Environmental Lab Accreditation Program Numbers 2579, 2740, 2741, 2742, 2743, 2745 and 2754. National Environmental Laboratory Accreditation Conference (NELAC) Standards Lab #11845

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

TRC Environmental - MI	Project: TRC033114-12	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	08-Apr-14 12:51

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG-01	E403112-01	Vapor	26-Mar-14	31-Mar-14
SG-12R	E403112-02	Vapor	26-Mar-14	31-Mar-14
SG-04	E403112-03	Vapor	26-Mar-14	31-Mar-14
SG-02	E403112-04	Vapor	26-Mar-14	31-Mar-14
SG-03R	E403112-05	Vapor	26-Mar-14	31-Mar-14
SG-06	E403112-06	Vapor	26-Mar-14	31-Mar-14
SG-07	E403112-07	Vapor	26-Mar-14	31-Mar-14
SG-16	E403112-08	Vapor	26-Mar-14	31-Mar-14
DUP-01	E403112-09	Vapor	26-Mar-14	31-Mar-14
SG-17	E403112-10	Vapor	26-Mar-14	31-Mar-14
SG-18	E403112-11	Vapor	26-Mar-14	31-Mar-14
SG-10	E403112-12	Vapor	26-Mar-14	31-Mar-14
SG-11	E403112-13	Vapor	26-Mar-14	31-Mar-14
SG-13	E403112-14	Vapor	26-Mar-14	31-Mar-14
SG-19	E403112-15	Vapor	26-Mar-14	31-Mar-14
SG-15R	E403112-16	Vapor	26-Mar-14	31-Mar-14
TVP-02s	E403112-17	Vapor	26-Mar-14	31-Mar-14
SG-20	E403112-18	Vapor	26-Mar-14	31-Mar-14
DUP-02	E403112-19	Vapor	26-Mar-14	31-Mar-14
SG-05	E403112-20	Vapor	26-Mar-14	31-Mar-14

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

TRC Environmental - MI	Project: TRC033114-12	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	08-Apr-14 12:51

DETECTIONS SUMMARY

Sample ID: **SG-01** Laboratory ID: **E403112-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**1.2**	1.0	ppbv	EPA TO-15	
1,1,1-Trichloroethane	**31**	1.0	ppbv	EPA TO-15	
Trichloroethene	**310**	1.0	ppbv	EPA TO-15	
Tetrachloroethene	**11**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-12R** Laboratory ID: **E403112-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**960000**	3600	ppbv	EPA TO-15	E

Sample ID: **SG-04** Laboratory ID: **E403112-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SG-02** Laboratory ID: **E403112-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**730000**	3600	ppbv	EPA TO-15	E
1,1-Dichloroethene	**2.4**	1.0	ppbv	EPA TO-15	
trans-1,2-Dichloroethene	**4.7**	2.0	ppbv	EPA TO-15	
1,1-Dichloroethane	**3.6**	1.0	ppbv	EPA TO-15	
cis-1,2-Dichloroethene	**21**	1.0	ppbv	EPA TO-15	
1,1,1-Trichloroethane	**60**	1.0	ppbv	EPA TO-15	
Trichloroethene	**460**	1.0	ppbv	EPA TO-15	
Tetrachloroethene	**360**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-03R** Laboratory ID: **E403112-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**110000**	3600	ppbv	EPA TO-15	E

Sample ID: **SG-06** Laboratory ID: **E403112-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**360000**	3600	ppbv	EPA TO-15	E
Trichloroethene	**1.1**	1.0	ppbv	EPA TO-15	

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760-804-9678 Phone
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TRC Environmental - MI	Project: TRC033114-12	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	08-Apr-14 12:51

Sample ID: **SG-06** Laboratory ID: **E403112-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**1.7**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-07** Laboratory ID: **E403112-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,1-Trichloroethane	**2.5**	1.0	ppbv	EPA TO-15	
Trichloroethene	**79**	1.0	ppbv	EPA TO-15	
Tetrachloroethene	**41**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-16** Laboratory ID: **E403112-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **DUP-01** Laboratory ID: **E403112-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,1-Trichloroethane	**2.6**	1.0	ppbv	EPA TO-15	
Trichloroethene	**82**	1.0	ppbv	EPA TO-15	
Tetrachloroethene	**42**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-17** Laboratory ID: **E403112-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**370000**	3600	ppbv	EPA TO-15	E
1,1,1-Trichloroethane	**81**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-18** Laboratory ID: **E403112-11**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**28000**	3600	ppbv	EPA TO-15	

Sample ID: **SG-10** Laboratory ID: **E403112-12**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**33000**	3600	ppbv	EPA TO-15	

H&P Mobile
Geochemistry Inc.

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760-804-9678 Phone
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TRC Environmental - MI	Project: TRC033114-12	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	08-Apr-14 12:51

Sample ID: **SG-11** Laboratory ID: **E403112-13**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**1.3**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-13** Laboratory ID: **E403112-14**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**130000**	3600	ppbv	EPA TO-15	E

Sample ID: **SG-19** Laboratory ID: **E403112-15**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SG-15R** Laboratory ID: **E403112-16**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**320000**	3600	ppbv	EPA TO-15	E

Sample ID: **TVP-02s** Laboratory ID: **E403112-17**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**10000**	3600	ppbv	EPA TO-15	

Sample ID: **SG-20** Laboratory ID: **E403112-18**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**5.3**	1.0	ppbv	EPA TO-15	
Tetrachloroethene	**2.9**	1.0	ppbv	EPA TO-15	

Sample ID: **DUP-02** Laboratory ID: **E403112-19**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**5.8**	1.0	ppbv	EPA TO-15	
Tetrachloroethene	**2.7**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-05** Laboratory ID: **E403112-20**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**83000**	3600	ppbv	EPA TO-15	E
1,1,1-Trichloroethane	**150**	1.0	ppbv	EPA TO-15	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
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760-804-9678 Phone
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TRC Environmental - MI	Project: TRC033114-12	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	08-Apr-14 12:51

Sample ID: **SG-05** Laboratory ID: **E403112-20**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**250**	1.0	ppbv	EPA TO-15	

H&P Mobile
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760-804-9678 Phone
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TRC Environmental - MI	Project: TRC033114-12	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	08-Apr-14 12:51

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-01 (E403112-01) Vapor Sampled: 26-Mar-14 Received: 31-Mar-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	ED40204	02-Apr-14	02-Apr-14	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	**1.2**	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	**31**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**310**	1.0	"	"	"	"	"	"	
Tetrachloroethene	**11**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*76-134*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*78-125*		"	"	"	"	
SG-12R (E403112-02) Vapor Sampled: 26-Mar-14 Received: 31-Mar-14									
1,1-Difluoroethane (LCC)	**960000**	3600	ppbv	100	ED40204	02-Apr-14	03-Apr-14	EPA TO-15	E
Vinyl chloride	ND	1.0	"	1	"	"	02-Apr-14	"	
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		*125 %*	*76-134*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*78-125*		"	"	"	"	

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TRC Environmental - MI	Project: TRC033114-12	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	08-Apr-14 12:51

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-04 (E403112-03) Vapor Sampled: 26-Mar-14 Received: 31-Mar-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	ED40204	02-Apr-14	02-Apr-14	EPA TO-15	A
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		*124 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*78-125*	"	"	"	"	
SG-02 (E403112-04) Vapor Sampled: 26-Mar-14 Received: 31-Mar-14									
1,1-Difluoroethane (LCC)	**730000**	3600	ppbv	100	ED40204	02-Apr-14	03-Apr-14	EPA TO-15	E
Vinyl chloride	ND	1.0	"	1	"	"	02-Apr-14	"	
1,1-Dichloroethene	**2.4**	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**4.7**	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	**3.6**	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**21**	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	**60**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**460**	1.0	"	"	"	"	"	"	
Tetrachloroethene	**360**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*124 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*78-125*	"	"	"	"	

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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	08-Apr-14 12:51

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-03R (E403112-05) Vapor Sampled: 26-Mar-14 Received: 31-Mar-14									
1,1-Difluoroethane (LCC)	**110000**	3600	ppbv	100	ED40204	02-Apr-14	03-Apr-14	EPA TO-15	E
Vinyl chloride	ND	1.0	"	1	"	"	02-Apr-14	"	
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		*128 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*109 %*		*78-125*	"	"	"	"	
SG-06 (E403112-06) Vapor Sampled: 26-Mar-14 Received: 31-Mar-14									
1,1-Difluoroethane (LCC)	**360000**	3600	ppbv	100	ED40204	02-Apr-14	03-Apr-14	EPA TO-15	E
Vinyl chloride	ND	1.0	"	1	"	"	02-Apr-14	"	
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	**1.1**	1.0	"	"	"	"	"	"	
Tetrachloroethene	**1.7**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.2 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*78-125*	"	"	"	"	

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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	08-Apr-14 12:51

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-07 (E403112-07) Vapor Sampled: 26-Mar-14 Received: 31-Mar-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	ED40204	02-Apr-14	02-Apr-14	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	**2.5**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**79**	1.0	"	"	"	"	"	"	
Tetrachloroethene	**41**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*123 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*78-125*	"	"	"	"	
SG-16 (E403112-08) Vapor Sampled: 26-Mar-14 Received: 31-Mar-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	ED40204	02-Apr-14	02-Apr-14	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		*128 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*78-125*	"	"	"	"	

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1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
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Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DUP-01 (E403112-09) Vapor Sampled: 26-Mar-14 Received: 31-Mar-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	ED40204	02-Apr-14	02-Apr-14	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	**2.6**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**82**	1.0	"	"	"	"	"	"	
Tetrachloroethene	**42**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*126 %*	*76-134*		"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*78-125*		"	"	"	"	
SG-17 (E403112-10) Vapor Sampled: 26-Mar-14 Received: 31-Mar-14									
1,1-Difluoroethane (LCC)	**370000**	3600	ppbv	100	ED40204	02-Apr-14	03-Apr-14	EPA TO-15	E
Vinyl chloride	ND	1.0	"	1	"	"	02-Apr-14	"	
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	**81**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*127 %*	*76-134*		"	"	"	"	
Surrogate: Toluene-d8		*109 %*	*78-125*		"	"	"	"	

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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	08-Apr-14 12:51

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-18 (E403112-11) Vapor Sampled: 26-Mar-14 Received: 31-Mar-14									
1,1-Difluoroethane (LCC)	**28000**	3600	ppbv	100	ED40204	02-Apr-14	03-Apr-14	EPA TO-15	
Vinyl chloride	ND	1.0	"	1	"	"	02-Apr-14	"	
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		*129 %*	*76-134*		"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*78-125*		"	"	"	"	
SG-10 (E403112-12) Vapor Sampled: 26-Mar-14 Received: 31-Mar-14									
1,1-Difluoroethane (LCC)	**33000**	3600	ppbv	100	ED40204	02-Apr-14	03-Apr-14	EPA TO-15	
Vinyl chloride	ND	1.0	"	1	"	"	02-Apr-14	"	
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		*129 %*	*76-134*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*78-125*		"	"	"	"	

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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	08-Apr-14 12:51

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-11 (E403112-13) Vapor Sampled: 26-Mar-14 Received: 31-Mar-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	ED40204	02-Apr-14	02-Apr-14	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	**1.3**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*126 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*78-125*	"	"	"	"	
SG-13 (E403112-14) Vapor Sampled: 26-Mar-14 Received: 31-Mar-14									
1,1-Difluoroethane (LCC)	**130000**	3600	ppbv	100	ED40204	02-Apr-14	03-Apr-14	EPA TO-15	E
Vinyl chloride	ND	1.0	"	1	"	"	02-Apr-14	"	
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		*93.6 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*78-125*	"	"	"	"	

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1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
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Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-19 (E403112-15) Vapor Sampled: 26-Mar-14 Received: 31-Mar-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	ED40204	02-Apr-14	03-Apr-14	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		*112 %*	*76-134*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*78-125*		"	"	"	"	
SG-15R (E403112-16) Vapor Sampled: 26-Mar-14 Received: 31-Mar-14									
1,1-Difluoroethane (LCC)	**320000**	3600	ppbv	100	ED40204	02-Apr-14	03-Apr-14	EPA TO-15	E
Vinyl chloride	ND	1.0	"	1	"	"	"	"	
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		*129 %*	*76-134*		"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*78-125*		"	"	"	"	

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TRC Environmental - MI	Project: TRC033114-12	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	08-Apr-14 12:51

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
TVP-02s (E403112-17) Vapor Sampled: 26-Mar-14 Received: 31-Mar-14									
1,1-Difluoroethane (LCC)	**10000**	3600	ppbv	100	ED40204	02-Apr-14	03-Apr-14	EPA TO-15	
Vinyl chloride	ND	1.0	"	1	"	"	"	"	
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		*129 %*	*76-134*		"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*78-125*		"	"	"	"	
SG-20 (E403112-18) Vapor Sampled: 26-Mar-14 Received: 31-Mar-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	ED40204	02-Apr-14	03-Apr-14	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	**5.3**	1.0	"	"	"	"	"	"	
Tetrachloroethene	**2.9**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*76-134*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*78-125*		"	"	"	"	

H&P Mobile
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TRC Environmental - MI	Project: TRC033114-12	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	08-Apr-14 12:51

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DUP-02 (E403112-19) Vapor Sampled: 26-Mar-14 Received: 31-Mar-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	ED40204	02-Apr-14	03-Apr-14	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	**5.8**	1.0	"	"	"	"	"	"	
Tetrachloroethene	**2.7**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*121 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*78-125*	"	"	"	"	
SG-05 (E403112-20) Vapor Sampled: 26-Mar-14 Received: 31-Mar-14									
1,1-Difluoroethane (LCC)	**83000**	3600	ppbv	100	ED40204	02-Apr-14	03-Apr-14	EPA TO-15	E
Vinyl chloride	ND	1.0	"	1	"	"	"	"	
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	**150**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**250**	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*78-125*	"	"	"	"	

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TRC Environmental - MI	Project: TRC033114-12	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	08-Apr-14 12:51

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 ED40204 - TO-15										
Blank (ED40204-BLK1)				Prepared & Analyzed: 02-Apr-14						
1,1-Difluoroethane (LCC)	ND	3600	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	*58.5*		*"*	*50.2*		*117*	*76-134*			
Surrogate: Toluene-d8	*52.4*		*"*	*49.8*		*105*	*78-125*			
LCS (ED40204-BS1)				Prepared & Analyzed: 02-Apr-14						
Vinyl chloride	15	1.0	ppbv	20.1		74.6	70-130			
1,1-Dichloroethene	19	1.0	"	20.1		95.3	70-130			
trans-1,2-Dichloroethene	18	2.0	"	20.1		90.7	70-130			
1,1-Dichloroethane	19	1.0	"	20.1		96.2	70-130			
cis-1,2-Dichloroethene	23	1.0	"	19.9		114	70-130			
1,1,1-Trichloroethane	19	1.0	"	20.2		94.6	70-130			
1,2-Dichloroethane (EDC)	19	1.0	"	20.1		94.2	70-130			
Trichloroethene	20	1.0	"	20.1		97.6	70-130			
Tetrachloroethene	19	1.0	"	20.1		94.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	*46.2*		*"*	*50.2*		*92.0*	*76-134*			
Surrogate: Toluene-d8	*52.3*		*"*	*49.8*		*105*	*78-125*			
LCS Dup (ED40204-BSD1)				Prepared & Analyzed: 02-Apr-14						
Vinyl chloride	15	1.0	ppbv	20.1		75.8	70-130	1.59	25	
1,1-Dichloroethene	19	1.0	"	20.1		92.4	70-130	3.02	25	
trans-1,2-Dichloroethene	17	2.0	"	20.1		85.2	70-130	6.28	25	
1,1-Dichloroethane	19	1.0	"	20.1		93.7	70-130	2.57	25	

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TRC Environmental - MI	Project: TRC033114-12	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	08-Apr-14 12:51

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 ED40204 - TO-15										
LCS Dup (ED40204-BSD1)				Prepared & Analyzed: 02-Apr-14						
cis-1,2-Dichloroethene	23	1.0	ppbv	19.9		113	70-130	0.575	25	
1,1,1-Trichloroethane	18	1.0	"	20.2		89.8	70-130	5.22	25	
1,2-Dichloroethane (EDC)	18	1.0	"	20.1		89.4	70-130	5.21	25	
Trichloroethene	19	1.0	"	20.1		92.5	70-130	5.39	25	
Tetrachloroethene	19	1.0	"	20.1		93.6	70-130	0.952	25	
Surrogate: 1,2-Dichloroethane-d4	*46.5*		*"*	*50.2*		*92.7*	*76-134*			
Surrogate: Toluene-d8	*51.5*		*"*	*49.8*		*103*	*78-125*			

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TRC Environmental - MI	Project: TRC033114-12	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	08-Apr-14 12:51

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).
A	The 1,1-Difluroethane result was above the calibration but below the reporting limit.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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TRC Environmental - MI	Project: TRC033114-12	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	08-Apr-14 12:51

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory (Certification # L11-175) in accordance with the DoD-ELAP program. H&P is approved by the State of Arizona under Certification Numbers AZM758 and AZ0779. H&P is approved as an Environmental Laboratory in conformance with the Environmental Laboratory Accreditation Program (CA) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste for the following methods:

Certificate# 2741, 2743, 2579, 2754 & 2740 approved for EPA 8260 and LUFT GC/MS
Certificate# 2742, 2745, & 2741 approved for LUFT
Certificate# 2745 & 2742 approved for EPA 418.1

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the National Environmental Accreditation Conference Standards for the category Environmental Analysis Air and Emissions for the following analytes and methods:

Hexachlorobutadiene by EPA TO-15 & TO-14A
1,2,4-Trichlorobenzene by EPA TO-15 & TO-14A
1,2-Dichlorobenzene by EPA TO-15 & TO-14A
Dichlorotetrafluoroethane by EPA TO-14A
1,4-Dichlorobenzene by EPA TO-15 & TO-14A
Benzene by EPA TO-15 & TO-14A
Chlorobenzene by EPA TO-15 & TO-14A
Ethyl benzene by EPA TO-15 & TO-14A
Styrene by EPA TO-15 & TO-14A
Toluene by EPA TO-15 & TO-14A
Total Xylenes by EPA TO-15
1,1,1-Trichloroethane by EPA TO-15 & TO-14A
1,1,2,2-Tetrachloroethane by EPA TO-15 & TO-14A
1,1,2-Trichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethene by EPA TO-15 & TO-14A
1,2-Dichloroethane by EPA TO-15 & TO-14A
1,2-Dichloropropane by EPA TO-15 & TO-14A
Benzyl Chloride by EPA TO-15 & TO-14A
Bromoform by EPA TO-15
Bromomethane by EPA TO-15 & TO-14A
Carbon tetrachloride by EPA TO-15 & TO-14A
Chloroethane by EPA TO-15 & TO-14A
Chloroform by EPA TO-15 & TO-14A
Chloromethane by EPA TO-15 & TO-14A
cis-1,2-Dichloroethene by EPA TO-15 & TO-14A
cis-1,3-Dichloropropene by EPA TO-15 & TO-14A
Methylene chloride by EPA TO -15 & TO-14A
Tetrachloroethane by EPA TO-15 & TO-14A
trans-1,2-Dichloroethene by EPA TO-15
trans-1,3-Dichloropropene by EPA TO-15 & TO-14A
Trichloroethene by EPA TO-15 & TO-14A
Vinyl chloride by EPA TO -15
2-Butanone by EPA TO-15
4-Methyl-2-Pentanone by EPA TO-15
Hexane by EPA TO-15
Methyl tert-butyl ether by EPA TO-15
Vinyl acetate by EPA TO-15

1,3-Dichlorobenzene by EPA TO-15 & TO-14A
Trichlorofluoromethane by EPA TO-14A
Naphthalene by H&P SOP TO-15/GC-MS
1,2-Dibromoethane (EDB) by EPA TO-15 & TO-14A
1,2-Dibromo-3-chloropropane by EPA TO-15
1,3-Butadiene by EPA TO-15
1,1,2-Trichlorotrifluoroethane by EPA TO-14A
Carbon disulfide by EPA TO-15
1,4-Dioxane by EPA TO-15

This certification applies to samples analyzed in summa canisters.

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VAPOR / AIR Chain of Custody

DATE: 3/26/14
Page 1 of 3

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):	rsortor@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: 3/31/14 Control #:
H&P Project # TRC0331/4-12
Lab Work Order # E403112
Sample Intact: ☑ Yes ☐ No ☐ See Notes Below
Receipt Gauge ID: 11167 Temp: RT
Outside Lab:
Receipt Notes/Tracking #: Fedex # 7983 6034 0670
Lab PM Initials: SN

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): Stacy Metz, Mollie Ruth
Signature: Mollie Ruth
Date: 3/26/14

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 #54219

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

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 or Tube	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 ☐ TO-17m	TPHv as Gas ☐ 8260SVm ☐ TO-15m	TPHv as Diesel (sorbent tube) ☐ TO-17m	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 ☐ 8260SV ☒ TO-15		
SG-01	NA	03/26/14	824-842	SV	1L	419	1.5								X			X		
~~SG-11R~~			929-1326			~~429~~														
SG-12R			954-1331			424	-.2													
SG-04			1630-1646			422	-.1													
SG-02			1114-1129			439	.1													
SG-03R			1140-1155			423	1.3													
SG-06			1210-1220			430	.6													
SG-07			1234-1259			172	0													
SG-16			1245-1309			199	.3													
Dup-01	↓	↓	—	↓	↓	426	-.3								↓			↓		

SG-11R 3/24

Approved/Relinquished by:	Stacy Metz	Company: TRC	Date: 3/27/14	Time: 1510	Received by:	Company: FedEx	Date: 3/27/14	Time:
Approved/Relinquished by:		Company:	Date:	Time:	Received by:	Company: HHD	Date: 3/31/14	Time: 0945
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

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VAPOR / AIR Chain of Custody

DATE: 3/26/14
Page 2 of 3

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):	rsortor@trcsolutions.com
Lab Client City, State, Zip:	Ann Arbor, MI 48108		smetz@trcsolutions.com
Phone Number:	734-585-7825		

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): Stacy Metz & Mollie Roth
Signature:
Date: 3/26/14

Sample Receipt (Lab Use Only)
Date Rec'd: 3/31/14 Control #:
H&P Project # TRC0331/4-12
Lab Work Order # E403112
Sample Intact: ☑ Yes ☐ No ☐ See Notes Below
Receipt Gauge ID: 11167 Temp: RT
Outside Lab:
Receipt Notes/Tracking #:
Lab PM Initials: SV

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 #54219

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

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 or Tube	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 ☐ TO-17m	TPHv as Gas ☐ 8260SVm ☐ TO-15m	TPHv as Diesel (sorbent tube) ☐ TO-17m	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 ☒ 8260SV ☐ TO-15		
SG-17	NA	03/26/14	1258-1328	SV	1L	193	-.7								X			X		
SG-18			1319-1339			392	-.4													
SG-10			1445-1502			373	Ø													
SG-11			1512-1523			187	.5													
SG-13			1534-1551			427	.6													
SG-19			1548-1603			443	Ø													
SG-15R			1615-1747			180	1.0													
TVP-025			1637-1705			417	-.1													
SG-20			1649-1738			405	-3.9													
DUP-02			—			425	-3.9													

Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Stacy Metz	TRC	3/27/14	1510	Fed Ex		3/27/14	
					H&P	3/31/14	0845

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

Rev 12/31/2013

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VAPOR / AIR Chain of Custody

DATE: 03/26/14
Page 3 of 3

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):	rsortor@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: 3/31/14	Control #:
H&P Project #	TRC 033114-12
Lab Work Order #	E403112
Sample Intact: ☑ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID: 11/67	Temp: RT
Outside Lab:	
Receipt Notes/Tracking #:	Lab PM Initials: SN

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): Stacy Metz & Mollie Ruth
Signature:
Date: 3/26/14

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 #54219

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

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 or Tube	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 ☐ TO-17m	TPHv as Gas ☐ 8260SVm ☐ TO-15m	TPHv as Diesel (sorbent tube) ☐ TO-17m	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 ☐ 8260SV ☒ TO-15		
SG-05	NA	03/26/14	1731-1359	SV	1L	381	-4								X			X		

Approved/Relinquished by: Stacy Metz	Company: TRC	Date: 3/27/14	Time: 1510	Received by: Fed Ex	Company:	Date: 3/26/14	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company: HOP	Date: 3/31/14	Time: 0945
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

Rev 12/31/2013

Mobile Geochemistry Inc.

29 April 2014

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

H&P Project: TRC042214-12
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 22-Apr-14 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

Unless otherwise noted, 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 Villarreal

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. operates under CA Environmental Lab Accreditation Program Numbers 2579, 2740, 2741, 2742, 2743, 2745 and 2754. National Environmental Laboratory Accreditation Conference (NELAC) Standards Lab #11845

H&P Mobile
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760-804-9159 Fax

TRC Environmental - MI	Project: TRC042214-12	
1540 Eisenhower Place	Project Number: 004308.0001, Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	29-Apr-14 10:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG-14R	E404078-01	Vapor	16-Apr-14	22-Apr-14
SG-12R	E404078-02	Vapor	16-Apr-14	22-Apr-14
SG-02	E404078-03	Vapor	16-Apr-14	22-Apr-14
SG-21	E404078-04	Vapor	16-Apr-14	22-Apr-14
SG-08	E404078-05	Vapor	16-Apr-14	22-Apr-14
SG-09	E404078-06	Vapor	16-Apr-14	22-Apr-14

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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	29-Apr-14 10:02

DETECTIONS SUMMARY

Sample ID: **SG-14R** Laboratory ID: **E404078-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**170000**	3600	ppbv	EPA TO-15	E

Sample ID: **SG-12R** Laboratory ID: **E404078-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**500000**	3600	ppbv	EPA TO-15	E

Sample ID: **SG-02** Laboratory ID: **E404078-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**400000**	3600	ppbv	EPA TO-15	E
trans-1,2-Dichloroethene	**2.5**	2.0	ppbv	EPA TO-15	
cis-1,2-Dichloroethene	**9.9**	1.0	ppbv	EPA TO-15	
1,1,1-Trichloroethane	**34**	1.0	ppbv	EPA TO-15	
Trichloroethene	**300**	1.0	ppbv	EPA TO-15	
Tetrachloroethene	**210**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-21** Laboratory ID: **E404078-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**3900**	3600	ppbv	EPA TO-15	

Sample ID: **SG-08** Laboratory ID: **E404078-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**250000**	3600	ppbv	EPA TO-15	E
Trichloroethene	**1.2**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-09** Laboratory ID: **E404078-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,1-Trichloroethane	**6.2**	1.0	ppbv	EPA TO-15	
Trichloroethene	**36**	1.0	ppbv	EPA TO-15	

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TRC Environmental - MI	Project: TRC042214-12	
1540 Eisenhower Place	Project Number: 004308.0001, Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	29-Apr-14 10:02

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-14R (E404078-01) Vapor Sampled: 16-Apr-14 Received: 22-Apr-14									
1,1-Difluoroethane (LCC)	**170000**	3600	ppbv	100	ED42502	24-Apr-14	25-Apr-14	EPA TO-15	E
Vinyl chloride	ND	1.0	"	1	"	"	24-Apr-14	"	
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		*94.3 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.3 %*		*77-127*	"	"	"	"	
SG-12R (E404078-02) Vapor Sampled: 16-Apr-14 Received: 22-Apr-14									
1,1-Difluoroethane (LCC)	**500000**	3600	ppbv	100	ED42502	24-Apr-14	25-Apr-14	EPA TO-15	E
Vinyl chloride	ND	1.0	"	1	"	"	24-Apr-14	"	
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		*95.1 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.4 %*		*77-127*	"	"	"	"	

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TRC Environmental - MI	Project: TRC042214-12	
1540 Eisenhower Place	Project Number: 004308.0001, Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	29-Apr-14 10:02

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-02 (E404078-03) Vapor Sampled: 16-Apr-14 Received: 22-Apr-14									
1,1-Difluoroethane (LCC)	**400000**	3600	ppbv	100	ED42502	24-Apr-14	25-Apr-14	EPA TO-15	E
Vinyl chloride	ND	1.0	"	1	"	"	24-Apr-14	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**2.5**	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**9.9**	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	**34**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**300**	1.0	"	"	"	"	"	"	
Tetrachloroethene	**210**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.6 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.5 %*		*77-127*	"	"	"	"	
SG-21 (E404078-04) Vapor Sampled: 16-Apr-14 Received: 22-Apr-14									
1,1-Difluoroethane (LCC)	**3900**	3600	ppbv	100	ED42502	24-Apr-14	25-Apr-14	EPA TO-15	
Vinyl chloride	ND	1.0	"	1	"	"	24-Apr-14	"	
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		*95.8 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*99.3 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.4 %*		*77-127*	"	"	"	"	

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TRC Environmental - MI	Project: TRC042214-12	
1540 Eisenhower Place	Project Number: 004308.0001, Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	29-Apr-14 10:02

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-08 (E404078-05) Vapor Sampled: 16-Apr-14 Received: 22-Apr-14									
1,1-Difluoroethane (LCC)	**250000**	3600	ppbv	100	ED42502	24-Apr-14	25-Apr-14	EPA TO-15	E
Vinyl chloride	ND	1.0	"	1	"	"	24-Apr-14	"	
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	**1.2**	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98.3 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*99.5 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.3 %*		*77-127*	"	"	"	"	
SG-09 (E404078-06) Vapor Sampled: 16-Apr-14 Received: 22-Apr-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	ED42502	24-Apr-14	24-Apr-14	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	**6.2**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**36**	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*98.7 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.6 %*		*77-127*	"	"	"	"	

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TRC Environmental - MI	Project: TRC042214-12	
1540 Eisenhower Place	Project Number: 004308.0001, Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	29-Apr-14 10:02

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 ED42502 - TO-15										
Blank (ED42502-BLK1)				Prepared & Analyzed: 24-Apr-14						
1,1-Difluoroethane (LCC)	ND	3600	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	*49.0*		*"*	*50.2*		*97.7*	*76-134*			
Surrogate: Toluene-d8	*49.4*		*"*	*49.8*		*99.1*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*48.8*		*"*	*50.2*		*97.2*	*77-127*			
LCS (ED42502-BS1)				Prepared: 24-Apr-14 Analyzed: 25-Apr-14						
Vinyl chloride	8.1	1.0	ppbv	10.0		80.9	70-130			
1,1-Dichloroethene	8.5	1.0	"	10.0		84.9	70-130			
trans-1,2-Dichloroethene	8.0	2.0	"	10.0		79.2	70-130			
1,1-Dichloroethane	9.0	1.0	"	10.0		89.4	70-130			
cis-1,2-Dichloroethene	8.7	1.0	"	9.94		87.6	70-130			
1,1,1-Trichloroethane	8.2	1.0	"	10.1		81.0	70-130			
1,2-Dichloroethane (EDC)	8.4	1.0	"	10.0		83.9	70-130			
Trichloroethene	7.9	1.0	"	10.1		78.2	70-130			
Tetrachloroethene	8.0	1.0	"	10.1		80.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	*48.7*		*"*	*50.2*		*97.0*	*76-134*			
Surrogate: Toluene-d8	*50.0*		*"*	*49.8*		*100*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*49.9*		*"*	*50.2*		*99.4*	*77-127*			

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TRC Environmental - MI	Project: TRC042214-12	
1540 Eisenhower Place	Project Number: 004308.0001, Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	29-Apr-14 10:02

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 ED42502 - TO-15										
LCS Dup (ED42502-BSD1)				Prepared: 24-Apr-14 Analyzed: 25-Apr-14						
Vinyl chloride	8.3	1.0	ppbv	10.0		82.6	70-130	2.12	25	
1,1-Dichloroethene	8.5	1.0	"	10.0		85.1	70-130	0.246	25	
trans-1,2-Dichloroethene	8.0	2.0	"	10.0		79.6	70-130	0.452	25	
1,1-Dichloroethane	8.8	1.0	"	10.0		87.4	70-130	2.29	25	
cis-1,2-Dichloroethene	8.9	1.0	"	9.94		89.2	70-130	1.89	25	
1,1,1-Trichloroethane	8.2	1.0	"	10.1		81.4	70-130	0.501	25	
1,2-Dichloroethane (EDC)	8.4	1.0	"	10.0		84.1	70-130	0.178	25	
Trichloroethene	8.2	1.0	"	10.1		81.7	70-130	4.33	25	
Tetrachloroethene	8.4	1.0	"	10.1		83.7	70-130	4.42	25	
Surrogate: 1,2-Dichloroethane-d4	*48.2*		*"*	*50.2*		*96.1*	*76-134*			
Surrogate: Toluene-d8	*49.7*		*"*	*49.8*		*99.8*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*50.3*		*"*	*50.2*		*100*	*77-127*			

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TRC Environmental - MI	Project: TRC042214-12	
1540 Eisenhower Place	Project Number: 004308.0001, Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	29-Apr-14 10:02

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).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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TRC Environmental - MI	Project: TRC042214-12	
1540 Eisenhower Place	Project Number: 004308.0001, Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	29-Apr-14 10:02

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory (Certification # L11-175) in accordance with the DoD-ELAP program. H&P is approved by the State of Arizona under Certification Numbers AZM758 and AZ0779. H&P is approved as an Environmental Laboratory in conformance with the Environmental Laboratory Accreditation Program (CA) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste for the following methods:

Certificate# 2741, 2743, 2579, 2754 & 2740 approved for EPA 8260 and LUFT GC/MS
Certificate# 2742, 2745, & 2741 approved for LUFT
Certificate# 2745 & 2742 approved for EPA 418.1

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the National Environmental Accreditation Conference Standards for the category Environmental Analysis Air and Emissions for the following analytes and methods:

Hexachlorobutadiene by EPA TO-15 & TO-14A
1,2,4-Trichlorobenzene by EPA TO-15 & TO-14A
1,2-Dichlorobenzene by EPA TO-15 & TO-14A
Dichlorotetrafluoroethane by EPA TO-14A
1,4-Dichlorobenzene by EPA TO-15 & TO-14A
Benzene by EPA TO-15 & TO-14A
Chlorobenzene by EPA TO-15 & TO-14A
Ethyl benzene by EPA TO-15 & TO-14A
Styrene by EPA TO-15 & TO-14A
Toluene by EPA TO-15 & TO-14A
Total Xylenes by EPA TO-15
1,1,1-Trichloroethane by EPA TO-15 & TO-14A
1,1,2,2-Tetrachloroethane by EPA TO-15 & TO-14A
1,1,2-Trichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethene by EPA TO-15 & TO-14A
1,2-Dichloroethane by EPA TO-15 & TO-14A
1,2-Dichloropropane by EPA TO-15 & TO-14A
Benzyl Chloride by EPA TO-15 & TO-14A
Bromoform by EPA TO-15
Bromomethane by EPA TO-15 & TO-14A
Carbon tetrachloride by EPA TO-15 & TO-14A
Chloroethane by EPA TO-15 & TO-14A
Chloroform by EPA TO-15 & TO-14A
Chloromethane by EPA TO-15 & TO-14A
cis-1,2-Dichloroethene by EPA TO-15 & TO-14A
cis-1,3-Dichloropropene by EPA TO-15 & TO-14A
Methylene chloride by EPA TO -15 & TO-14A
Tetrachloroethane by EPA TO-15 & TO-14A
trans-1,2-Dichloroethene by EPA TO-15
trans-1,3-Dichloropropene by EPA TO-15 & TO-14A
Trichloroethene by EPA TO-15 & TO-14A
Vinyl chloride by EPA TO -15
2-Butanone by EPA TO-15
4-Methyl-2-Pentanone by EPA TO-15
Hexane by EPA TO-15
Methyl tert-butyl ether by EPA TO-15
Vinyl acetate by EPA TO-15

1,3-Dichlorobenzene by EPA TO-15 & TO-14A
Trichlorofluoromethane by EPA TO-14A
Naphthalene by H&P SOP TO-15/GC-MS
1,2-Dibromoethane (EDB) by EPA TO-15 & TO-14A
1,2-Dibromo-3-chloropropane by EPA TO-15
1,3-Butadiene by EPA TO-15
1,1,2-Trichlorotrifluoroethane by EPA TO-14A
Carbon disulfide by EPA TO-15
1,4-Dioxane by EPA TO-15

This certification applies to samples analyzed in summa canisters.

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

DATE: 4/17/14
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):	rsortor@trcsolutions.com
Lab Client City, State, Zip:	Ann Arbor, MI 48108		smetz@trcsolutions.com
Phone Number:	734-585-7825		

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): Rachel Sortor
Signature: Rachel T. Sortor
Date: 4/17/14

Sample Receipt (Lab Use Only)
Date Rec'd: 4-22-14 Control #:
H&P Project # TRC042214-12
Lab Work Order # E4041078
Sample Intact: ☑ Yes ☐ No ☐ See Notes Below
Receipt Gauge ID: 11167 Temp: 20°
Outside Lab:
Receipt Notes/Tracking #: 1293 7761 0347461601
Lab PM Initials: SN

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 #54219

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

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 or Tube	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 ☐ TO-17m	TPHv as Gas ☐ 8260SVm ☐ TO-15m	TPHv as Diesel (sorbent tube) ☐ TO-17m	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 ☐ 8260SV ☒ TO-15		
SG-14R	–	4/16/14	1102-1102	Soil Vapor	1L Summa	414	-.27								X			X		
SG-12R	–		1125-1705			438	-2.89													
SG-02	–		1354-1421			351	-.93													
SG-21	–		1500-1520			433	0.25													
SG-08	–		1553-1611			171	.03													
SG-09	–		1624-1700			432	0.70													

Approved/Relinquished by: Rachel T. Sortor	Company: TRC	Date: 4/17/14	Time: 1528	Received by: Fed ex	Company: Welcome Air	Date: 4/18/14	Time: 10:30
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company: Rec'd 4/22/14	Date:	Time:
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

Rev 12/31/2013

Mobile
Geochemistry Inc.

11 June 2014

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

H&P Project: TRC052314-11
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 23-May-14 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

Unless otherwise noted, 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 Villarreal

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. operates under CA Environmental Lab Accreditation Program Numbers 2579, 2740, 2741, 2742, 2743, 2745 and 2754. National Environmental Laboratory Accreditation Conference (NELAC) Standards Lab #11845

H&P Mobile
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TRC Environmental - MI	Project: TRC052314-11	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	11-Jun-14 08:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG-14R	E405107-01	Vapor	19-May-14	23-May-14
SG-12R	E405107-02	Vapor	19-May-14	23-May-14
SG-05	E405107-03	Vapor	19-May-14	23-May-14
SG-06	E405107-04	Vapor	19-May-14	23-May-14
TVP-02	E405107-05	Vapor	19-May-14	23-May-14
SG-07	E405107-06	Vapor	19-May-14	23-May-14
DUP-01	E405107-07	Vapor	19-May-14	23-May-14
SG-16	E405107-08	Vapor	19-May-14	23-May-14
SG-17	E405107-09	Vapor	19-May-14	23-May-14
SG-18	E405107-10	Vapor	20-May-14	23-May-14
SG-10	E405107-11	Vapor	20-May-14	23-May-14
SG-11	E405107-12	Vapor	20-May-14	23-May-14
SG-13	E405107-13	Vapor	20-May-14	23-May-14
SG-19	E405107-14	Vapor	20-May-14	23-May-14
SG-15R	E405107-15	Vapor	20-May-14	23-May-14
SG-20	E405107-16	Vapor	20-May-14	23-May-14
SG-21	E405107-17	Vapor	20-May-14	23-May-14
SG-08	E405107-18	Vapor	20-May-14	23-May-14
DUP-02	E405107-19	Vapor	20-May-14	23-May-14
SG-09	E405107-20	Vapor	20-May-14	23-May-14
SG-01	E405107-21	Vapor	21-May-14	23-May-14
SG-04	E405107-22	Vapor	21-May-14	23-May-14
SG-02	E405107-23	Vapor	21-May-14	23-May-14
SG-03R	E405107-24	Vapor	21-May-14	23-May-14

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TRC Environmental - MI	Project: TRC052314-11	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	11-Jun-14 08:30

The following samples contained 1,1-Difluoroethane concentrations above the linear range of the calibration, but below the reporting limit:
SG-18
SG-19
SG-20
SG-08
Dup-02

Due to an instrument error on May 29, 2014, only a Laboratory Control Sample has been reported for this date.

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TRC Environmental - MI	Project: TRC052314-11	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	11-Jun-14 08:30

DETECTIONS SUMMARY

Sample ID: **SG-14R** Laboratory ID: **E405107-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**180000**	3600	ppbv	EPA TO-15	E

Sample ID: **SG-12R** Laboratory ID: **E405107-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**35000**	3600	ppbv	EPA TO-15	E

Sample ID: **SG-05** Laboratory ID: **E405107-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,1-Trichloroethane	**1.2**	1.0	ppbv	EPA TO-15	
Trichloroethene	**1.7**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-06** Laboratory ID: **E405107-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**2.1**	1.0	ppbv	EPA TO-15	
Tetrachloroethene	**5.0**	1.0	ppbv	EPA TO-15	

Sample ID: **TVP-02** Laboratory ID: **E405107-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SG-07** Laboratory ID: **E405107-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**3700**	3600	ppbv	EPA TO-15	E
1,1,1-Trichloroethane	**4.1**	1.0	ppbv	EPA TO-15	
Trichloroethene	**180**	1.0	ppbv	EPA TO-15	
Tetrachloroethene	**110**	1.0	ppbv	EPA TO-15	

Sample ID: **DUP-01** Laboratory ID: **E405107-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**24000**	3600	ppbv	EPA TO-15	E
1,1,1-Trichloroethane	**4.3**	1.0	ppbv	EPA TO-15	

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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	11-Jun-14 08:30

Sample ID: **DUP-01** Laboratory ID: **E405107-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**180**	1.0	ppbv	EPA TO-15	
Tetrachloroethene	**110**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-16** Laboratory ID: **E405107-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SG-17** Laboratory ID: **E405107-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,1-Trichloroethane	**120**	1.0	ppbv	EPA TO-15	
Tetrachloroethene	**1.8**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-18** Laboratory ID: **E405107-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SG-10** Laboratory ID: **E405107-11**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SG-11** Laboratory ID: **E405107-12**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SG-13** Laboratory ID: **E405107-13**

Analyte	Result	Reporting Limit	Units	Method	Notes
trans-1,2-Dichloroethene	**4.0**	2.0	ppbv	EPA TO-15	
cis-1,2-Dichloroethene	**1.3**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-19** Laboratory ID: **E405107-14**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

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TRC Environmental - MI	Project: TRC052314-11	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	11-Jun-14 08:30

Sample ID: **SG-15R** Laboratory ID: **E405107-15**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SG-20** Laboratory ID: **E405107-16**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**12**	1.0	ppbv	EPA TO-15	
Tetrachloroethene	**7.8**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-21** Laboratory ID: **E405107-17**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**14000**	3600	ppbv	EPA TO-15	E

Sample ID: **SG-08** Laboratory ID: **E405107-18**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,1-Trichloroethane	**1.4**	1.0	ppbv	EPA TO-15	
Trichloroethene	**4.0**	1.0	ppbv	EPA TO-15	

Sample ID: **DUP-02** Laboratory ID: **E405107-19**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,1-Trichloroethane	**2.0**	1.0	ppbv	EPA TO-15	
Trichloroethene	**1.6**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-09** Laboratory ID: **E405107-20**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,1-Trichloroethane	**15**	1.0	ppbv	EPA TO-15	
Trichloroethene	**73**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-01** Laboratory ID: **E405107-21**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethane	**1.0**	1.0	ppbv	EPA TO-15	
cis-1,2-Dichloroethene	**3.0**	1.0	ppbv	EPA TO-15	
1,1,1-Trichloroethane	**180**	1.0	ppbv	EPA TO-15	
1,2-Dichloroethane (EDC)	**1.6**	1.0	ppbv	EPA TO-15	
Trichloroethene	**1500**	10	ppbv	EPA TO-15	

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TRC Environmental - MI	Project: TRC052314-11	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	11-Jun-14 08:30

Sample ID: **SG-01** Laboratory ID: **E405107-21**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**73**	1.0	ppbv	EPA TO-15	

Sample ID: **SG-04** Laboratory ID: **E405107-22**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**23000**	3600	ppbv	EPA TO-15	E

Sample ID: **SG-02** Laboratory ID: **E405107-23**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**5.1**	1.0	ppbv	EPA TO-15	
trans-1,2-Dichloroethene	**16**	2.0	ppbv	EPA TO-15	
1,1-Dichloroethane	**7.6**	1.0	ppbv	EPA TO-15	
cis-1,2-Dichloroethene	**68**	1.0	ppbv	EPA TO-15	
1,1,1-Trichloroethane	**410**	1.0	ppbv	EPA TO-15	
Trichloroethene	**2600**	10	ppbv	EPA TO-15	
Tetrachloroethene	**2000**	10	ppbv	EPA TO-15	

Sample ID: **SG-03R** Laboratory ID: **E405107-24**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**1.8**	1.0	ppbv	EPA TO-15	

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TRC Environmental - MI	Project: TRC052314-11	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	11-Jun-14 08:30

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-14R (E405107-01) Vapor Sampled: 19-May-14 Received: 23-May-14									
1,1-Difluoroethane (LCC)	**180000**	3600	ppbv	2	EF40205	02-Jun-14	02-Jun-14	EPA TO-15	E
Vinyl chloride	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	2.0	"	"	"	"	"	"	
Trichloroethene	ND	2.0	"	"	"	"	"	"	
Tetrachloroethene	ND	2.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.3 %*		*77-127*	"	"	"	"	
SG-12R (E405107-02) Vapor Sampled: 19-May-14 Received: 23-May-14									
1,1-Difluoroethane (LCC)	**35000**	3600	ppbv	2	EF40205	02-Jun-14	02-Jun-14	EPA TO-15	E
Vinyl chloride	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	2.0	"	"	"	"	"	"	
Trichloroethene	ND	2.0	"	"	"	"	"	"	
Tetrachloroethene	ND	2.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.8 %*		*77-127*	"	"	"	"	

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TRC Environmental - MI	Project: TRC052314-11	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	11-Jun-14 08:30

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-05 (E405107-03) Vapor Sampled: 19-May-14 Received: 23-May-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EE42808	29-May-14	29-May-14	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	**1.2**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**1.7**	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*99.9 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.3 %*		*77-127*	"	"	"	"	
SG-06 (E405107-04) Vapor Sampled: 19-May-14 Received: 23-May-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EF40411	04-Jun-14	05-Jun-14	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	**2.1**	1.0	"	"	"	"	"	"	
Tetrachloroethene	**5.0**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*98.9 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*118 %*		*77-127*	"	"	"	"	

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TRC Environmental - MI	Project: TRC052314-11	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	11-Jun-14 08:30

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
TVP-02 (E405107-05) Vapor Sampled: 19-May-14 Received: 23-May-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EE42808	29-May-14	29-May-14	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: Toluene-d8		*101 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.9 %*		*77-127*	"	"	"	"	
SG-07 (E405107-06) Vapor Sampled: 19-May-14 Received: 23-May-14									
1,1-Difluoroethane (LCC)	**3700**	3600	ppbv	1	EE42808	29-May-14	30-May-14	EPA TO-15	E
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	**4.1**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**180**	1.0	"	"	"	"	"	"	
Tetrachloroethene	**110**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*97.2 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*77-127*	"	"	"	"	

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TRC Environmental - MI	Project: TRC052314-11	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	11-Jun-14 08:30

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DUP-01 (E405107-07) Vapor Sampled: 19-May-14 Received: 23-May-14									
1,1-Difluoroethane (LCC)	**24000**	3600	ppbv	1	EF40204	30-May-14	30-May-14	EPA TO-15	E
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	**4.3**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**180**	1.0	"	"	"	"	"	"	
Tetrachloroethene	**110**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*99.0 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*77-127*	"	"	"	"	
SG-16 (E405107-08) Vapor Sampled: 19-May-14 Received: 23-May-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EF40204	30-May-14	30-May-14	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: Toluene-d8		*100 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.5 %*		*77-127*	"	"	"	"	

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TRC Environmental - MI	Project: TRC052314-11	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	11-Jun-14 08:30

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-17 (E405107-09) Vapor Sampled: 19-May-14 Received: 23-May-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EF40204	30-May-14	30-May-14	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	**120**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	**1.8**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*77-127*	"	"	"	"	
SG-18 (E405107-10) Vapor Sampled: 20-May-14 Received: 23-May-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EF40204	30-May-14	30-May-14	EPA TO-15	A
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: Toluene-d8		*97.3 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*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	11-Jun-14 08:30

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-10 (E405107-11) Vapor Sampled: 20-May-14 Received: 23-May-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EF40204	30-May-14	30-May-14	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: Toluene-d8		*100 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.4 %*		*77-127*	"	"	"	"	
SG-11 (E405107-12) Vapor Sampled: 20-May-14 Received: 23-May-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EF40204	30-May-14	30-May-14	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: Toluene-d8		*100 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*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	11-Jun-14 08:30

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-13 (E405107-13) Vapor Sampled: 20-May-14 Received: 23-May-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EF40204	30-May-14	30-May-14	EPA TO-15	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**4.0**	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**1.3**	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: Toluene-d8		*98.4 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.3 %*		*77-127*	"	"	"	"	
SG-19 (E405107-14) Vapor Sampled: 20-May-14 Received: 23-May-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EF40204	30-May-14	30-May-14	EPA TO-15	A
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: Toluene-d8		*107 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.6 %*		*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	11-Jun-14 08:30

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-15R (E405107-15) Vapor Sampled: 20-May-14 Received: 23-May-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EF40204	30-May-14	30-May-14	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: Toluene-d8		*101 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.7 %*		*77-127*	"	"	"	"	
SG-20 (E405107-16) Vapor Sampled: 20-May-14 Received: 23-May-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EF40204	30-May-14	30-May-14	EPA TO-15	A
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	**12**	1.0	"	"	"	"	"	"	
Tetrachloroethene	**7.8**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*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	11-Jun-14 08:30

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-21 (E405107-17) Vapor Sampled: 20-May-14 Received: 23-May-14									
1,1-Difluoroethane (LCC)	**14000**	3600	ppbv	1	EF40204	30-May-14	30-May-14	EPA TO-15	E
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: Toluene-d8		*101 %*	*78-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.3 %*	*77-127*		"	"	"	"	
SG-08 (E405107-18) Vapor Sampled: 20-May-14 Received: 23-May-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EF41009	10-Jun-14	10-Jun-14	EPA TO-15	A
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	**1.4**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**4.0**	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*78-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.6 %*	*77-127*		"	"	"	"	

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Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
DUP-02 (E405107-19) Vapor Sampled: 20-May-14 Received: 23-May-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EF40205	02-Jun-14	02-Jun-14	EPA TO-15	A
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	**2.0**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**1.6**	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.5 %*		*77-127*	"	"	"	"	
SG-09 (E405107-20) Vapor Sampled: 20-May-14 Received: 23-May-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EF40205	02-Jun-14	02-Jun-14	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	**15**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**73**	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*95.1 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.6 %*		*77-127*	"	"	"	"	

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Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-01 (E405107-21) Vapor Sampled: 21-May-14 Received: 23-May-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EF40205	02-Jun-14	02-Jun-14	EPA TO-15	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	**1.0**	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**3.0**	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	**180**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	**1.6**	1.0	"	"	"	"	"	"	
Trichloroethene	**1500**	10	"	10	"	"	"	"	
Tetrachloroethene	**73**	1.0	"	1	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.0 %*		*77-127*	"	"	"	"	
SG-04 (E405107-22) Vapor Sampled: 21-May-14 Received: 23-May-14									
1,1-Difluoroethane (LCC)	**23000**	3600	ppbv	1	EF40205	02-Jun-14	02-Jun-14	EPA TO-15	E
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: Toluene-d8		*105 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.7 %*		*77-127*	"	"	"	"	

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TRC Environmental - MI	Project: TRC052314-11	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	11-Jun-14 08:30

Volatile Organic Compounds by EPA TO-15

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG-02 (E405107-23) Vapor Sampled: 21-May-14 Received: 23-May-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EF40205	02-Jun-14	02-Jun-14	EPA TO-15	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	**5.1**	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**16**	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	**7.6**	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**68**	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	**410**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"	
Trichloroethene	**2600**	10	"	10	"	"	"	"	
Tetrachloroethene	**2000**	10	"	"	"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*78-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*77-127*		"	"	"	"	
SG-03R (E405107-24) Vapor Sampled: 21-May-14 Received: 23-May-14									
1,1-Difluoroethane (LCC)	ND	3600	ppbv	1	EF40205	02-Jun-14	02-Jun-14	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	**1.8**	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*93.7 %*	*78-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.3 %*	*77-127*		"	"	"	"	

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TRC Environmental - MI	Project: TRC052314-11	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	11-Jun-14 08:30

Volatile Organic Compounds by EPA TO-15 - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE42808 - TO-15										
Blank (EE42808-BLK1)				Prepared & Analyzed: 29-May-14						
1,1-Difluoroethane (LCC)	ND	3600	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: Toluene-d8	*48.4*		*"*	*49.8*		*97.1*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*48.7*		*"*	*50.2*		*97.0*	*77-127*			
LCS (EE42808-BS1)				Prepared & Analyzed: 29-May-14						
Vinyl chloride	17	1.0	ppbv	20.1		86.3	70-130			
1,1-Dichloroethene	19	1.0	"	20.1		93.4	70-130			
trans-1,2-Dichloroethene	18	2.0	"	20.1		89.8	70-130			
1,1-Dichloroethane	20	1.0	"	20.1		102	70-130			
cis-1,2-Dichloroethene	24	1.0	"	19.9		118	70-130			
1,1,1-Trichloroethane	18	1.0	"	20.2		87.5	70-130			
1,2-Dichloroethane (EDC)	18	1.0	"	20.1		91.0	70-130			
Trichloroethene	18	1.0	"	20.1		91.4	70-130			
Tetrachloroethene	19	1.0	"	20.1		94.9	70-130			
Surrogate: Toluene-d8	*49.1*		*"*	*49.8*		*98.6*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*50.9*		*"*	*50.2*		*101*	*77-127*			
Batch EF40204 - TO-15										
Blank (EF40204-BLK1)				Prepared & Analyzed: 30-May-14						
1,1-Difluoroethane (LCC)	ND	3600	ppbv							
Vinyl chloride	ND	1.0	"							
1,1-Dichloroethene	ND	1.0	"							

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TRC Environmental - MI	Project: TRC052314-11	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	11-Jun-14 08:30

Volatile Organic Compounds by EPA TO-15 - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF40204 - TO-15										
Blank (EF40204-BLK1)				Prepared & Analyzed: 30-May-14						
trans-1,2-Dichloroethene	ND	2.0	ppbv							
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: Toluene-d8	*50.0*		*"*	*49.8*		*100*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*48.5*		*"*	*50.2*		*96.6*	*77-127*			
LCS (EF40204-BS1)				Prepared & Analyzed: 30-May-14						
Vinyl chloride	19	1.0	ppbv	20.1		95.9	70-130			
1,1-Dichloroethene	21	1.0	"	20.1		105	70-130			
trans-1,2-Dichloroethene	20	2.0	"	20.1		98.8	70-130			
1,1-Dichloroethane	22	1.0	"	20.1		111	70-130			
cis-1,2-Dichloroethene	25	1.0	"	19.9		127	70-130			
1,1,1-Trichloroethane	20	1.0	"	20.2		97.6	70-130			
1,2-Dichloroethane (EDC)	21	1.0	"	20.1		103	70-130			
Trichloroethene	18	1.0	"	20.1		91.6	70-130			
Tetrachloroethene	19	1.0	"	20.1		96.2	70-130			
Surrogate: Toluene-d8	*49.5*		*"*	*49.8*		*99.4*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*51.1*		*"*	*50.2*		*102*	*77-127*			
LCS Dup (EF40204-BSD1)				Prepared & Analyzed: 30-May-14						
Vinyl chloride	18	1.0	ppbv	20.1		90.7	70-130	5.61	25	
1,1-Dichloroethene	20	1.0	"	20.1		98.4	70-130	6.37	25	
trans-1,2-Dichloroethene	18	2.0	"	20.1		91.0	70-130	8.18	25	
1,1-Dichloroethane	21	1.0	"	20.1		104	70-130	6.40	25	
cis-1,2-Dichloroethene	24	1.0	"	19.9		120	70-130	5.46	25	
1,1,1-Trichloroethane	19	1.0	"	20.2		92.1	70-130	5.86	25	
1,2-Dichloroethane (EDC)	19	1.0	"	20.1		96.5	70-130	6.59	25	

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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	11-Jun-14 08:30

Volatile Organic Compounds by EPA TO-15 - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF40204 - TO-15										
LCS Dup (EF40204-BSD1)				Prepared & Analyzed: 30-May-14						
Trichloroethene	19	1.0	ppbv	20.1		94.2	70-130	2.78	25	
Tetrachloroethene	20	1.0	"	20.1		97.6	70-130	1.44	25	
Surrogate: Toluene-d8	*49.2*		*"*	*49.8*		*98.8*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*51.6*		*"*	*50.2*		*103*	*77-127*			
Batch EF40205 - TO-15										
Blank (EF40205-BLK1)				Prepared & Analyzed: 02-Jun-14						
1,1-Difluoroethane (LCC)	ND	3600	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: Toluene-d8	*48.6*		*"*	*49.8*		*97.5*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*48.0*		*"*	*50.2*		*95.6*	*77-127*			
LCS (EF40205-BS1)				Prepared & Analyzed: 02-Jun-14						
Vinyl chloride	15	1.0	ppbv	20.1		72.9	70-130			
1,1-Dichloroethene	16	1.0	"	20.1		78.7	70-130			
trans-1,2-Dichloroethene	15	2.0	"	20.1		75.4	70-130			
1,1-Dichloroethane	17	1.0	"	20.1		85.0	70-130			
cis-1,2-Dichloroethene	19	1.0	"	19.9		96.8	70-130			
1,1,1-Trichloroethane	15	1.0	"	20.2		73.4	70-130			
1,2-Dichloroethane (EDC)	16	1.0	"	20.1		77.8	70-130			
Trichloroethene	19	1.0	"	20.1		93.8	70-130			
Tetrachloroethene	19	1.0	"	20.1		95.5	70-130			

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TRC Environmental - MI	Project: TRC052314-11	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	11-Jun-14 08:30

Volatile Organic Compounds by EPA TO-15 - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF40205 - TO-15										
LCS (EF40205-BS1)				Prepared & Analyzed: 02-Jun-14						
Surrogate: Toluene-d8	*47.6*		*ppbv*	*49.8*		*95.6*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*51.2*		*"*	*50.2*		*102*	*77-127*			
LCS Dup (EF40205-BSD1)				Prepared & Analyzed: 02-Jun-14						
Vinyl chloride	18	1.0	ppbv	20.1		91.1	70-130	22.2	25	
1,1-Dichloroethene	19	1.0	"	20.1		95.4	70-130	19.2	25	
trans-1,2-Dichloroethene	19	2.0	"	20.1		94.6	70-130	22.6	25	
1,1-Dichloroethane	21	1.0	"	20.1		104	70-130	20.2	25	
cis-1,2-Dichloroethene	24	1.0	"	19.9		123	70-130	23.6	25	
1,1,1-Trichloroethane	18	1.0	"	20.2		91.8	70-130	22.2	25	
1,2-Dichloroethane (EDC)	19	1.0	"	20.1		95.2	70-130	20.1	25	
Trichloroethene	19	1.0	"	20.1		92.6	70-130	1.28	25	
Tetrachloroethene	19	1.0	"	20.1		96.2	70-130	0.779	25	
Surrogate: Toluene-d8	*48.7*		*"*	*49.8*		*97.7*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*51.8*		*"*	*50.2*		*103*	*77-127*			
Batch EF40411 - TO-15										
Blank (EF40411-BLK1)				Prepared & Analyzed: 04-Jun-14						
1,1-Difluoroethane (LCC)	ND	3600	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: Toluene-d8	*49.0*		*"*	*49.8*		*98.4*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*55.6*		*"*	*50.2*		*111*	*77-127*			

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TRC Environmental - MI	Project: TRC052314-11	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	11-Jun-14 08:30

Volatile Organic Compounds by EPA TO-15 - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF40411 - TO-15										
LCS (EF40411-BS1)				Prepared & Analyzed: 04-Jun-14						
Vinyl chloride	18	1.0	ppbv	20.1		87.3	70-130			
1,1-Dichloroethene	18	1.0	"	20.1		88.5	70-130			
trans-1,2-Dichloroethene	17	2.0	"	20.1		85.9	70-130			
1,1-Dichloroethane	19	1.0	"	20.1		94.8	70-130			
cis-1,2-Dichloroethene	17	1.0	"	19.9		86.8	70-130			
1,1,1-Trichloroethane	19	1.0	"	20.2		91.9	70-130			
1,2-Dichloroethane (EDC)	18	1.0	"	20.1		87.5	70-130			
Trichloroethene	18	1.0	"	20.1		89.0	70-130			
Tetrachloroethene	21	1.0	"	20.1		107	70-130			
Surrogate: Toluene-d8	*50.8*		*"*	*49.8*		*102*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*59.4*		*"*	*50.2*		*118*	*77-127*			
LCS Dup (EF40411-BSD1)				Prepared & Analyzed: 04-Jun-14						
Vinyl chloride	18	1.0	ppbv	20.1		87.8	70-130	0.569	25	
1,1-Dichloroethene	18	1.0	"	20.1		88.3	70-130	0.169	25	
trans-1,2-Dichloroethene	17	2.0	"	20.1		83.6	70-130	2.76	25	
1,1-Dichloroethane	17	1.0	"	20.1		85.5	70-130	10.3	25	
cis-1,2-Dichloroethene	17	1.0	"	19.9		84.3	70-130	2.82	25	
1,1,1-Trichloroethane	18	1.0	"	20.2		90.5	70-130	1.47	25	
1,2-Dichloroethane (EDC)	17	1.0	"	20.1		86.2	70-130	1.55	25	
Trichloroethene	17	1.0	"	20.1		83.9	70-130	5.87	25	
Tetrachloroethene	21	1.0	"	20.1		103	70-130	3.13	25	
Surrogate: Toluene-d8	*49.1*		*"*	*49.8*		*98.5*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*58.9*		*"*	*50.2*		*117*	*77-127*			
Batch EF41009 - TO-15										
Blank (EF41009-BLK1)				Prepared & Analyzed: 10-Jun-14						
1,1-Difluoroethane (LCC)	ND	3600	ppbv							

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TRC Environmental - MI	Project: TRC052314-11	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	11-Jun-14 08:30

Volatile Organic Compounds by EPA TO-15 - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF41009 - TO-15										
Blank (EF41009-BLK2)				Prepared & Analyzed: 10-Jun-14						
Vinyl chloride	ND	1.0	ppbv							
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: Toluene-d8	*51.0*		*"*	*49.8*		*102*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*45.9*		*"*	*50.2*		*91.3*	*77-127*			
LCS (EF41009-BS1)				Prepared & Analyzed: 10-Jun-14						
Surrogate: Toluene-d8	*50.6*		*ppbv*	*49.8*		*102*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*49.7*		*"*	*50.2*		*99.0*	*77-127*			
LCS (EF41009-BS2)				Prepared & Analyzed: 10-Jun-14						
Vinyl chloride	8.5	1.0	ppbv	10.0		85.0	70-130			
1,1-Dichloroethene	8.6	1.0	"	10.0		85.4	70-130			
trans-1,2-Dichloroethene	8.4	2.0	"	10.0		84.0	70-130			
1,1-Dichloroethane	9.4	1.0	"	10.0		94.0	70-130			
cis-1,2-Dichloroethene	9.3	1.0	"	9.94		93.8	70-130			
1,1,1-Trichloroethane	8.5	1.0	"	10.1		84.0	70-130			
1,2-Dichloroethane (EDC)	8.7	1.0	"	10.0		86.5	70-130			
Trichloroethene	8.2	1.0	"	10.1		81.9	70-130			
Tetrachloroethene	7.9	1.0	"	10.1		78.8	70-130			
Surrogate: Toluene-d8	*50.6*		*"*	*49.8*		*102*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*49.7*		*"*	*50.2*		*99.0*	*77-127*			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

TRC Environmental - MI	Project: TRC052314-11	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	11-Jun-14 08:30

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 EF41009 - TO-15										
LCS Dup (EF41009-BSD1)				Prepared & Analyzed: 10-Jun-14						
Surrogate: Toluene-d8	*51.0*		*ppbv*	*49.8*		*102*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*50.0*		*"*	*50.2*		*99.5*	*77-127*			
LCS Dup (EF41009-BSD2)				Prepared & Analyzed: 10-Jun-14						
Vinyl chloride	9.3	1.0	ppbv	10.0		92.3	70-130	8.24	25	
1,1-Dichloroethene	9.0	1.0	"	10.0		90.0	70-130	5.21	25	
trans-1,2-Dichloroethene	8.8	2.0	"	10.0		87.1	70-130	3.63	25	
1,1-Dichloroethane	9.6	1.0	"	10.0		95.6	70-130	1.61	25	
cis-1,2-Dichloroethene	9.4	1.0	"	9.94		95.0	70-130	1.27	25	
1,1,1-Trichloroethane	8.7	1.0	"	10.1		85.9	70-130	2.22	25	
1,2-Dichloroethane (EDC)	8.8	1.0	"	10.0		87.8	70-130	1.49	25	
Trichloroethene	8.3	1.0	"	10.1		82.5	70-130	0.774	25	
Tetrachloroethene	8.1	1.0	"	10.1		80.6	70-130	2.25	25	
Surrogate: Toluene-d8	*51.0*		*"*	*49.8*		*102*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*50.0*		*"*	*50.2*		*99.5*	*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	11-Jun-14 08:30

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).
A	The 1,1-Difluoroethane result exceeds the linear range of the calibration but is less than the reporting limit.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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TRC Environmental - MI	Project: TRC052314-11	
1540 Eisenhower Place	Project Number: 004308.0001 Phase 1 / Tecumseh, MI	Reported:
Ann Arbor, MI 48108	Project Manager: Ms. Stacy Metz	11-Jun-14 08:30

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory (Certification # L11-175) in accordance with the DoD-ELAP program. H&P is approved by the State of Arizona under Certification Numbers AZM758 and AZ0779. H&P is approved as an Environmental Laboratory in conformance with the Environmental Laboratory Accreditation Program (CA) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste for the following methods:

Certificate# 2741, 2743, 2579, 2754 & 2740 approved for EPA 8260 and LUFT GC/MS
Certificate# 2742, 2745, & 2741 approved for LUFT
Certificate# 2745 & 2742 approved for EPA 418.1

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the National Environmental Accreditation Conference Standards for the category Environmental Analysis Air and Emissions for the following analytes and methods:

Hexachlorobutadiene by EPA TO-15 & TO-14A
1,2,4-Trichlorobenzene by EPA TO-15 & TO-14A
1,2-Dichlorobenzene by EPA TO-15 & TO-14A
Dichlorotetrafluoroethane by EPA TO-14A
1,4-Dichlorobenzene by EPA TO-15 & TO-14A
Benzene by EPA TO-15 & TO-14A
Chlorobenzene by EPA TO-15 & TO-14A
Ethyl benzene by EPA TO-15 & TO-14A
Styrene by EPA TO-15 & TO-14A
Toluene by EPA TO-15 & TO-14A
Total Xylenes by EPA TO-15
1,1,1-Trichloroethane by EPA TO-15 & TO-14A
1,1,2,2-Tetrachloroethane by EPA TO-15 & TO-14A
1,1,2-Trichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethene by EPA TO-15 & TO-14A
1,2-Dichloroethane by EPA TO-15 & TO-14A
1,2-Dichloropropane by EPA TO-15 & TO-14A
Benzyl Chloride by EPA TO-15 & TO-14A
Bromoform by EPA TO-15
Bromomethane by EPA TO-15 & TO-14A
Carbon tetrachloride by EPA TO-15 & TO-14A
Chloroethane by EPA TO-15 & TO-14A
Chloroform by EPA TO-15 & TO-14A
Chloromethane by EPA TO-15 & TO-14A
cis-1,2-Dichloroethene by EPA TO-15 & TO-14A
cis-1,3-Dichloropropene by EPA TO-15 & TO-14A
Methylene chloride by EPA TO -15 & TO-14A
Tetrachloroethane by EPA TO-15 & TO-14A
trans-1,2-Dichloroethene by EPA TO-15
trans-1,3-Dichloropropene by EPA TO-15 & TO-14A
Trichloroethene by EPA TO-15 & TO-14A
Vinyl chloride by EPA TO -15
2-Butanone by EPA TO-15
4-Methyl-2-Pentanone by EPA TO-15
Hexane by EPA TO-15
Methyl tert-butyl ether by EPA TO-15
Vinyl acetate by EPA TO-15

1,3-Dichlorobenzene by EPA TO-15 & TO-14A
Trichlorofluoromethane by EPA TO-14A
Naphthalene by H&P SOP TO-15/GC-MS
1,2-Dibromoethane (EDB) by EPA TO-15 & TO-14A
1,2-Dibromo-3-chloropropane by EPA TO-15
1,3-Butadiene by EPA TO-15
1,1,2-Trichlorotrifluoroethane by EPA TO-14A
Carbon disulfide by EPA TO-15
1,4-Dioxane by EPA TO-15

This certification applies to samples analyzed in summa canisters.

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VAPOR / AIR Chain of Custody

DATE: 5/21/14

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):	rsortor@trcsolutions.com
Lab Client City, State, Zip:	Ann Arbor, MI 48108		smetz@trcsolutions.com
Phone Number:	734-585-7825		

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): Rachel Sortor
Signature: Rachel N. Sortor
Date: 5/21/14

Sample Receipt (Lab Use Only)
Date Rec'd: 5/23/14 Control #: 140532-01
H&P Project # TRC052314-11
Lab Work Order #
Sample Intact: ☑ Yes ☐ No ☐ See Notes Below
Receipt Gauge ID: 11167 Temp: RT
Outside Lab:
Receipt Notes/Tracking #: Fedex #7700 5580 6414
7700 5580 6789
Lab PM Initials: SN

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 #54219

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

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 or Tube	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 ☐ TO-17m	TPHv as Gas ☐ 8260SVm ☐ TO-15m	TPHv as Diesel (sorbent tube) ☐ TO-17m	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 ☐ 8260SV ☒ TO-15
SG-14R	—	5/19/14	0943-1448	SV	1L Summa	311	-2.2								X			X
SG-12R	—		1004-1033			372	-1.0											
SG-05	—		1322-1338			184	-1.8											
SG-06	—		1351-1403			271	-1.9											
TVP-02	—		1415-1506			423	-2.8											
SG-07	—		1429-1513			411	-2.5											
DUP-01	—		XXXX			420	-2.5											
SG-16	—		1530-1551			193	-2.2											
SG-17	—		1547-1623			437	-1.8											
SG-18	—	5/20/14	0945-0956			430	-.2											

Approved/Relinquished by: Rachel N. Sortor	Company: TRC	Date: 5/21/14	Time: 1500	Received by: Fed Ex	Company: —	Date: 5/21/14	Time: 1500
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company: H&P	Date: 5/23/14	Time: 1020
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

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VAPOR / AIR Chain of Custody

DATE: 5/21/14
Page 2 of 3

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):	rsortor@trcsolutions.com
Lab Client City, State, Zip:	Ann Arbor, MI 48108		smetz@trcsolutions.com
Phone Number:	734-585-7825		

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

Turnaround Time
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☐ 3-day Rush ☐ Mobile Lab
☐ 48-Hr Rush ☐ Other:____

Sampler Information
Sampler(s): Rachel Sortor
Signature: Rachel N. Sortor
Date: 5/21/14

Sample Receipt (Lab Use Only)
Date Rec'd: 5/23/14 Control #:
H&P Project # TRC0534-11
Lab Work Order #
Sample Intact: ☑ Yes ☐ No ☐ See Notes Below
Receipt Gauge ID: 11167 Temp: RT
Outside Lab:
Receipt Notes/Tracking #:
Lab PM Initials: SN

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 #54219

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

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 or Tube	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 ☐ TO-17m	TPHv as Gas ☐ 8260SVm ☐ TO-15m	TPHv as Diesel (sorbent tube) ☐ TO-17m	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 ☐ 8260SV ☒ TO-15		
SG-10	—	5/20/14	1020-1030	SV	1L Summa	405	-.8								X			X		
SG-11	—		1033-1040			419	-.8													
SG-13	—		1101-1113			171	-1.0													
SG-19	—		1128-1140			392	-1.9													
SG-15R	—		1157-1220			185	-1.8													
SG-20	—		1419-1437			400	-2.8													
SG-21	—		1515-1528			427	-1.1													
SG-08	—		1601-1638			198	-1.8													
DUP-02	—		XXXX			381	-2.0													
SG-09	—		1610-1631			424	-1.2													

	Company:	Date:	Time:		Company:	Date:	Time:
Approved/Relinquished by: Rachel N. Sortor	TRC	5/21/14	1500	Received by: FedEx	—	5/21/14	1500
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company: HHP	Date: 5/23/14	Time: 1020
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

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Rev 12/31/2013

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VAPOR / AIR Chain of Custody

DATE: 5/21/14

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Lab Client City, State, Zip:	Ann Arbor, MI 48108		smetz@trcsolutions.com
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Purchase Order #54219

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

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 or Tube	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 ☐ TO-17m	TPHv as Gas ☐ 8260SVm ☐ TO-15m	TPHv as Diesel (sorbent tube) ☐ TO-17m	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 ☐ 8260SV ☒ TO-15		
SG-01	–	5/21/14	0921-0940	SV	1L Summa	432	-1.0								X			X		
SG-04	–	"	1052-1118	"	"	393	-2.4								"			"		
SG-02	–	"	1134-1150	"	"	440	-2.7								"			"		
SG-03R	–	"	1147-1205	"	"	1960	-2.2								"			"		

Approved/Relinquished by: Rachel M. Sortor	Company: TRC	Date: 5/21/14	Time: 1500	Received by: FedEx	Company: –	Date: 5/21/14	Time: 1500
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company: H&P	Date: 5/23/14	Time: 1020
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

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Attachment 2
Data Quality Assurance

Data Quality Assurance Summary

Laboratory Data – August 2013

Twenty-two soil gas samples and two field duplicates were collected by TRC between August 8, 2013 and August 9, 2013. Samples were analyzed by H&P Mobile Geochemistry, Inc. (H&P), located in Carlsbad, California, for VOCs by USEPA Method TO-15 following protocols specified in the QAPP. TRC performed data validation on the VOC laboratory data. Overall, the data quality objectives and laboratory completeness goals for the project were met, and the data are usable. The procedures specified in the methods were implemented, and the data package contained all of the deliverables necessary for validation of the analytical data. The complete laboratory data validation report is attached.

Leak Testing – August 2013

Analytical results for the tracer 1,1-difluoroethane (1,1-DFA) were compared to the threshold concentration of 0.05-percent by volume. The 1,1-DFA concentration did not exceed 0.05-percent by volume in any of the samples collected. All data are considered usable.

Laboratory Data – November 2013

Twenty-two soil gas samples and two field duplicates were collected by TRC between November 12, 2013 and November 14, 2013. Samples were analyzed by H&P, located in Carlsbad, California, for VOCs by USEPA Method TO-15 following protocols specified in the QAPP. TRC performed data validation on the VOC laboratory data. Overall, the data quality objectives and laboratory completeness goals for the project were met, and the data are usable. The procedures specified in the methods were implemented, and the data package contained all of the deliverables necessary for validation of the analytical data. The complete laboratory data validation report is attached.

Leak Testing – November 2013

Analytical results for the tracer 1,1-DFA were compared to the threshold concentration of 0.05-percent by volume. The 1,1-DFA concentration did not exceed 0.05-percent by volume in any of the samples collected. All data are considered usable.

Laboratory Data – March 2014

Twenty soil gas samples, including two field duplicates, were collected by TRC on March 26, 2014. Samples were analyzed by H&P, located in Carlsbad, California, for VOCs by USEPA Method TO-15 following protocols specified in the QAPP. TRC performed data validation on the VOC laboratory data. Overall, the data quality objectives and laboratory completeness goals for the project were met, and the data are usable. The procedures specified in the methods were implemented, and the data package contained all of the deliverables necessary for validation of the analytical data. The complete laboratory data validation report is attached.

Leak Testing – March 2014

Analytical results for the tracer 1,1-DFA were compared to the threshold concentration of 0.05-percent by volume. The 1,1-DFA concentration exceeded this threshold at two sample locations: SG-02 and SG-12R.

The following corrective measures were taken:

— Sample results for site constituents of concern are not considered usable, and are not reported in Table 1; and

— A resample event was conducted in April 2014.

Laboratory Data – April 2014

A supplemental sample event was conducted on April 16, 2014 to collect samples that could not be collected in March due to persistent snow cover (SG-08, SG-09 and SG-21) and water in the sample port (SG-14R). Additionally a resample event was conducted at two locations (SG-02 and SG-12R) with elevated concentrations of tracer during the March 2014 sample event.

Six soil gas samples were collected by TRC and analyzed by H&P, located in Carlsbad, California, for VOCs by USEPA Method TO-15 following protocols specified in the QAPP. TRC performed data validation on the VOC laboratory data. Overall, the data quality objectives and laboratory completeness goals for the project were met, and the data are usable. The procedures specified in the methods were implemented, and the data package contained all of the deliverables necessary for validation of the analytical data. The complete laboratory data validation report is attached.

Laboratory Data – May 2014

Twenty-two soil gas samples and two field duplicates were collected by TRC between May 19, 2014 and May 21, 2014. Samples were analyzed by H&P, located in Carlsbad, California, for VOCs by USEPA Method TO-15 following protocols specified in the QAPP. TRC performed data validation on the VOC laboratory data. Overall, the data quality objectives and laboratory completeness goals for the project were met, and the data are usable. The procedures specified in the methods were implemented, and the data package contained all of the deliverables necessary for validation of the analytical data. The complete laboratory data validation report is attached.

Leak Testing – May 2014

Analytical results for the tracer 1,1-DFA were compared to the threshold concentration of 0.05-percent by volume. The 1,1-DFA concentration did not exceed 0.05-percent by volume in any of the samples collected. All data are considered usable.

Laboratory Data Validation

August 2013 Soil Gas Sample Event
Former Tecumseh Products Company Site
Tecumseh, Michigan

Twenty-two soil gas samples and two field duplicates were collected between August 8 and 9, 2013 and analyzed by H&P Mobile Geochemistry, Inc., located in Carlsbad, California. The samples were analyzed for volatile organic compounds using USEPA Method TO-15 following procedures specified in the Quality Assurance Project Plan (QAPP) for the Tecumseh Products Company Site in Tecumseh, Michigan. The laboratory results were reported in laboratory report TRC081313-10. TRC validated the laboratory data. The following sections summarize the data validation procedure and the results of the validation.

Validation Procedure

The analytical data were validated using the USEPA National Functional Guidelines for Organic Data Review (USEPA, 2008) and the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air (USEPA, 1999). The USEPA National Functional Guidelines for Organic Data Review were written for solid and aqueous samples. Professional judgment was used in applying the guidance to the soil gas sample matrix. The data validation included a review of the duplicate and blank results from the laboratory, as well as verification that the sample holding times were met. TRC reviewed additional QC information to check for appropriate matrix performance using the analytical methods specified by the laboratory. The procedures TRC used to evaluate data in general included the following items:

- Checked technical holding times for analyses
- Reviewed data for blanks, laboratory duplicates, and laboratory control samples
- Determined field precision from blind field duplicate data
- Assessed the usability of the data

The data validation report addresses the following items:

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

TRC reviewed internal standard areas and retention times, method blanks, field duplicate relative percent differences (RPDs), Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) recoveries and RPDs, and holding times. In addition, the 24-hour calibration clock was checked for each sample.

Findings

The data quality objectives and laboratory completeness goals for the project were met, and the data are usable. The procedures specified in the methods were implemented, and the data packages were found to contain all of the deliverables necessary for validation of the analytical data. The discussion that follows describes the QA/QC results and evaluation.

- The laboratory met the technical holding time of 30 days for all samples.
- Internal standard areas and retention times were reviewed and found to be within acceptable QC limits according to the USEPA National Functional Guidelines for Organic Data Review (USEPA, 2008). In addition, the 24-hour calibration clock was not exceeded for any sample.
- Surrogate recoveries met QC limits for all samples.
- Contaminants were not detected in the method blanks.
- The laboratory performed one LCS/LCSD per analytical batch. All recoveries and RPDs were within the laboratory control limits.
- Two field duplicate sample pairs were collected. DUP-01 corresponded with SG-07, and Dup-02 corresponded with SG-08. Calculated RPDs for all compounds in both sample pairs were less than 20%.

Prepared by: Jennifer Meek
Reviewed by: Terry Hertz

Laboratory Data Validation

November 2013 Soil Gas Sample Event
Former Tecumseh Products Company Site
Tecumseh, Michigan

Twenty-four soil gas samples, including two field duplicates, were collected between November 12 and 14, 2013 and analyzed by H&P Mobile Geochemistry, Inc., located in Carlsbad, California. The samples were analyzed for volatile organic compounds using USEPA Method TO-15 following procedures specified in the Quality Assurance Project Plan (QAPP) for the Tecumseh Products Company Site in Tecumseh, Michigan. The laboratory results were reported in laboratory report TRC111913-11. TRC validated the laboratory data. The following sections summarize the data validation procedure and the results of the validation.

Validation Procedure

The analytical data were validated using the USEPA National Functional Guidelines for Organic Data Review (USEPA, 2008) and the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air (USEPA, 1999). The USEPA National Functional Guidelines for Organic Data Review were written for solid and aqueous samples. Professional judgment was used in applying the guidance to the soil gas sample matrix. The data validation included a review of the duplicate and blank results from the laboratory, as well as verification that the sample holding times were met. TRC reviewed additional QC information to check for appropriate matrix performance using the analytical methods specified by the laboratory. The procedures TRC used to evaluate data in general included the following items:

- Checked technical holding times for analyses
- Reviewed data for blanks, laboratory duplicates, and laboratory control samples
- Determined field precision from blind field duplicate data
- Assessed the usability of the data

The data validation report addresses the following items:

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

TRC reviewed internal standard areas and retention times, method blanks, field duplicate relative percent differences (RPDs), Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) recoveries and RPDs, and holding times. In addition, the 24-hour calibration clock was checked for each sample.

Findings

The data quality objectives and laboratory completeness goals for the project were met, and the data are usable. The procedures specified in the methods were implemented, and the data packages were found to contain all of the deliverables necessary for validation of the analytical data. The discussion that follows describes the QA/QC results and evaluation.

- The laboratory met the technical holding time of 30 days for all samples.
- The 24-hour calibration clock was not exceeded for any sample. Internal standard areas and retention times were reviewed and found to be within acceptable QC limits according to the USEPA National Functional Guidelines for Organic Data Review (USEPA, 2008) with the following exception:
    - The area for the internal standard bromochloromethane exceeded the acceptance limits for the diluted analysis for 1,1-difluoroethane in sample SG-07. This analysis was only used to confirm that the 1,1-difluoroethane result was below the reporting limit; therefore, the data should not be affected.
- Surrogate recoveries met QC limits for all samples.
- Contaminants were not detected in the method blanks.
- The laboratory performed one LCS/LCSD per analytical batch. All recoveries and RPDs were within the laboratory control limits, with the following exception:
    - The RPD for 1,1-dichloroethene in batch EK32506 exceeded QC limits (28% vs. 25%). The following samples are in this batch: SG-04, SG-11, SG-08, SG-09, SG-13, SG-19, and DUP-02. 1,1-Dichloroethene was not detected in any of these samples; therefore, no flags are assigned.
- Two field duplicate sample pairs were collected. DUP-01 corresponded with SG-07, and Dup-02 corresponded with SG-08. Calculated RPDs for all compounds in both sample pairs were less than 20-percent.

Prepared by: Jennifer Meek
Reviewed by: Terry Hertz

Laboratory Data Validation

March and April 2014 Soil Gas Sample Event
Former Tecumseh Products Company Site
Tecumseh, Michigan

Twenty soil gas samples including two field duplicates were collected on March 26, 2014, and six soil gas samples were collected on April 16, 2014. Samples were analyzed by H&P Mobile Geochemistry, Inc., located in Carlsbad, California. The samples were analyzed for volatile organic compounds using USEPA Method TO-15 following procedures specified in the Quality Assurance Project Plan (QAPP) for the Tecumseh Products Company Site in Tecumseh, Michigan. The laboratory results were reported in laboratory reports TRC033114-12 and TRC042214-12. TRC validated the laboratory data. The following sections summarize the data validation procedure and the results of the validation.

Validation Procedure

The analytical data were validated using the USEPA National Functional Guidelines for Organic Data Review (USEPA, 2008) and the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air (USEPA, 1999). The USEPA National Functional Guidelines for Organic Data Review were written for solid and aqueous samples. Professional judgment was used in applying the guidance to the soil gas sample matrix. The data validation included a review of the duplicate and blank results from the laboratory, as well as verification that the sample holding times were met. TRC reviewed additional QC information to check for appropriate matrix performance using the analytical methods specified by the laboratory. The procedures TRC used to evaluate data in general included the following items:

- Checked technical holding times for analyses
- Reviewed data for blanks, laboratory duplicates, and laboratory control samples
- Determined field precision from blind field duplicate data
- Assessed the usability of the data

The data validation report addresses the following items:

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

TRC reviewed internal standard areas and retention times, method blanks, field duplicate relative percent differences (RPDs), Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) recoveries and RPDs, and holding times. In addition, the 24-hour calibration clock was checked for each sample.

Findings

The data quality objectives and laboratory completeness goals for the project were met, and the data are usable. The procedures specified in the methods were implemented, and the data packages were found to contain all of the deliverables necessary for validation of the analytical data. The discussion that follows describes the QA/QC results and evaluation.

- The laboratory met the technical holding time of 30 days for all samples.
- The 24-hour calibration clock was not exceeded for any sample.
- Internal standard areas and retention times were reviewed and found to be within acceptable QC limits according to the USEPA National Functional Guidelines for Organic Data Review (USEPA, 2008).
- Surrogate recoveries met QC limits for all samples.
- Contaminants were not detected in the method blanks.
- The laboratory performed one LCS/LCSD per analytical batch. All recoveries and RPDs were within the laboratory control limits.
- Two field duplicate sample pairs were collected. DUP-01 corresponded with SG-07, and DUP-02 corresponded with SG-20. Calculated RPDs for all compounds in both sample pairs were less than 20-percent.
- It should be noted that the laboratory flagged the 1,1-difluoroethane detections in the following samples because the concentrations exceeded the calibration range of the instrument: SG-12R, SG-02, SG-03R, SG-06, SG-17, SG-13, SG-15R, and SG-05. These detections are considered estimates, and "j" flags should be assigned.

Prepared by: Jennifer Meek
Reviewed by: Terry Hertz

Laboratory Data Validation

May 2014 Soil Gas Sample Event
Former Tecumseh Products Company Site
Tecumseh, Michigan

Twenty-four soil gas samples were collected from May 19 to 21, 2014 and analyzed by H&P Mobile Geochemistry, Inc., located in Carlsbad, California. The samples were analyzed for volatile organic compounds using USEPA Method TO-15 following procedures specified in the Quality Assurance Project Plan (QAPP) for the Tecumseh Products Company Site in Tecumseh, Michigan. The laboratory results were reported in laboratory report TRC052314-11. TRC validated the laboratory data. The following sections summarize the data validation procedure and the results of the validation.

Validation Procedure

The analytical data were validated using the USEPA National Functional Guidelines for Organic Data Review (USEPA, 2008) and the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air (USEPA, 1999). The USEPA National Functional Guidelines for Organic Data Review were written for solid and aqueous samples. Professional judgment was used in applying the guidance to the soil gas sample matrix. The data validation included a review of the duplicate and blank results from the laboratory, as well as verification that the sample holding times were met. TRC reviewed additional QC information to check for appropriate matrix performance using the analytical methods specified by the laboratory. The procedures TRC used to evaluate data in general included the following items:

- Checked technical holding times for analyses
- Reviewed data for blanks, laboratory duplicates, and laboratory control samples
- Determined field precision from blind field duplicate data
- Assessed the usability of the data

The data validation report addresses the following items:

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

TRC reviewed internal standard areas and retention times, method blanks, field duplicate relative percent differences (RPDs), Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) recoveries and RPDs, and holding times. In addition, the 24-hour calibration clock was checked for each sample.

Findings

The data quality objectives and laboratory completeness goals for the project were met, and the data are usable. The procedures specified in the methods were implemented, and the data packages were found to contain all of the deliverables necessary for validation of the analytical data. The discussion that follows describes the QA/QC results and evaluation.

- The laboratory met the technical holding time of 30 days for all samples.
- The 24-hour calibration clock was not exceeded for any sample.
- Internal standard areas and retention times were reviewed and found to be within acceptable QC limits according to the USEPA National Functional Guidelines for Organic Data Review (USEPA, 2008).
- Surrogate recoveries met QC limits for all samples.
- Contaminants were not detected in the method blanks.
- The laboratory performed one LCS or LCS/LCSD per analytical batch. Due to laboratory error, only an LCS was performed for samples analyzed on May 29, 2014 with batch EE42808 (SG-05, SG-07 and TVP-02). All recoveries and RPDs were within the laboratory control limits.
- Two field duplicate sample pairs were collected. Dup-01 corresponded with SG-07, and Dup-02 corresponded with SG-08. Calculated RPDs for all compounds in sample pair SG-07/Dup-01 were less than 20-percent. The two detected compounds in sample pair SG-08/Dup-02 did not meet acceptance criteria (<20-percent). However, the detected concentrations were comparable to the reporting limit; therefore, there are no data interpretation issues associated with these high RPDs.
- It should be noted that the laboratory flagged the 1,1-difluoroethane non-detections in the following samples because this compound was detected at concentrations lower than the reporting limit: SG-18, SG-19, SG-20, SG-08, and Dup-02.

Corrective Action

The following corrective action was taken:

- The second of three Chains-of-Custody was missing from the laboratory report. The lab reissued the report to include the missing page.

Prepared by: Jennifer Meek
Reviewed by: Terry Hertz