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HQ

November 17, 2009

Mr. John Feeney
Wisconsin Department of Natural Resources
1155 Pilgrim Road
Plymouth, WI 53703-0408

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Subject: Subslab Vapor Sampling Documentation Report
Tecumseh Products Company, Grafton, Wisconsin
WDNR FID #24009170, BRRTS #02-46000751

Dear Mr. Feeney:

RMT, Inc. (RMT), on behalf of Tecumseh Products Company (Tecumseh) is submitting the enclosed Subslab Vapor Sampling Documentation Report.

Please feel free to contact Mr. Tom Stolzenburg, at 608-662-5287, or Alyssa Sellwood, at 608-662-5480, if you have any questions.

Sincerely,

RMT, Inc.

Alyssa Sellwood, P.E.
Project Engineer

Thomas Stolzenburg
Thomas R. Stolzenburg
Senior Project Manager

Enclosure: Subslab Vapor Sampling Documentation Report

cc: Terry Evanson – Wisconsin Department of Natural Resources
Jason Smith – Tecumseh Products Company
John Rice – RMT

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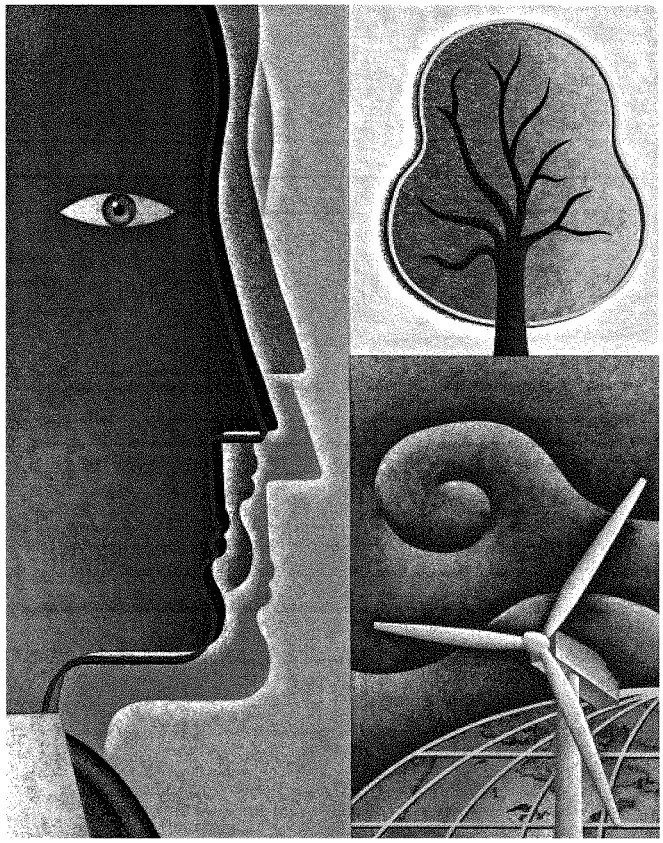
Subslab Vapor Sampling Documentation Report

Tecumseh Products Company

November 2009



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Subslab Vapor Sampling Documentation Report

Tecumseh Products Company

November 2009

Prepared For
Tecumseh Products Company
Grafton, Wisconsin

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Section 1
Introduction

1.1 Background

The Tecumseh Products Company (Tecumseh) operated a manufacturing facility located at 900 North Street in Grafton, Wisconsin, beginning in the mid-1950s (Figure 1). During the late 1980s and early 1990s, eight underground storage tanks (USTs) were removed from the site. During the course of the tank investigations, chlorinated volatile organic compounds (CVOCs) were detected in soil and groundwater at the facility.

Since that time, Tecumseh has performed on-site and off-site investigations to define the extent of the CVOC impacts in soil and groundwater, as part of Tecumseh's voluntary response action under Wisconsin Administrative Code (WAC) NR 700. The on-site investigations identified three main source areas of CVOCs: the West Dock Area, the Recycling Dock/Southeast Degreaser Area, and the TCA Filling/East Parking Lot Area (Figure 2). In 1996, the off-site investigations identified a CVOC plume.

Tecumseh has completed on-site remediation of the source areas. RMT, Inc. (RMT) implemented enhanced bioremediation between 2002 and 2007 in the West Dock Area and the Recycling Dock/Southeast Degreaser Area, and KEY Environmental Group, Ltd (KEY) excavated and treated the unsaturated soil using an *ex situ* process between November 2000 and June 2001 in the East Parking Lot Area.

A "Source Area Remediation Completion Report" was submitted to the Wisconsin Department of Natural Resources (WDNR) on October 24, 2007 (RMT, 2007b). The report summarized the success of the on-site remediation efforts, showed that the NR 700 remedial objectives were met in the source areas, and provided data showing that the CVOC plume is decreasing in both concentration and areal extent.

Subsequently, a "Workplan for Monitored Natural Attenuation (MNA) Demonstration" (RMT, 2007c) was submitted to the WDNR in December 2007. The WDNR approved the MNA approach in a letter dated March 5, 2008, and MNA is ongoing at the site.

1.2 Vapor Intrusion Assessment

Tecumseh previously completed assessments of the off-site vapor intrusion risk associated with the groundwater contaminant plume to the east of the facility (RMT, 2004b and 2008a). The

results demonstrated that there is not a vapor intrusion risk associated with the downgradient portions of the plume, and in June 2009 the WNDR provided concurrence with this assessment.

Within their March 2008 approval letter for MNA, the WDNR required Tecumseh to conduct an on-site vapor intrusion assessment of the Tecumseh building. RMT and Tecumseh evaluated approaches on how to address this requirement, and engaged the WDNR in discussions on an approach to effectively conduct a vapor intrusion assessment at a large footprint industrial facility such as the Tecumseh building in Grafton, which is approximately 325,000 square feet (sf).

Based on these discussions, the WDNR agreed that, conceptually, the vapor intrusion assessment would focus on former source areas to evaluate the vapor intrusion risk associated with known impacts to soil. In addition, a transect of investigative boreholes would be installed across the known groundwater contaminant plume. The sampling method was to use a blower to collect an integrated subslab vapor sample, over a reasonably-sized area, rather than at a single discrete point.

Based on this evaluation and the WDNR's concurrence with the conceptual scope, RMT submitted a Subslab Vapor Sampling Workplan to the WDNR, on behalf of Tecumseh, in July 2009 (RMT, 2009). The WDNR approved the workplan in a letter dated August 11, 2009 (Appendix A).

1.3 Purpose and Scope

In September 2009, RMT, completed the subslab vapor monitoring at the Tecumseh facility in Grafton, Wisconsin, per the approved workplan. The purpose of this report is to document the method and results of the subslab vapor monitoring. The scope of this report includes the following:

- A brief review of the site setting and historical site characterization, to put the sampling program into perspective
- A discussion of the subslab vapor monitoring approach and operation details
- The results of the subslab vapor monitoring
- Conclusions and recommendations for the site based on the vapor intrusion assessment

Section 2
Site Conditions

The following subsections describe the site conditions that were used to define the layout and scope of the subslab vapor monitoring program.

2.1 Facility Description

The Tecumseh facility is located at 900 North Street in Grafton, Ozaukee County, Wisconsin (Figure 1). The initial building was constructed by Power Products Company in 1952 and was acquired by Tecumseh Products in 1957. Tecumseh expanded the facility to the north, with major additions in the 1960s and 1970s. The most recent tenant of the building, Tecumseh Power, ceased operations within the facility in spring 2009, and the building is currently vacant.

The footprint of the building covers approximately 325,000 square feet (sf), and is shown on Figure 2. The years during which each addition was constructed and the boundaries of each addition are included on Figure 2 for reference. The southern section of the facility (Buildings No. 6 and 7), has been used for office and administrative purposes since the building's construction. The main operations at the facility were contained to Buildings No. 1, 2, and 4, with some operational work being done in Building No. 3. The remainder of the facility (Buildings No. 4-A and 5) was used as storage warehouses.

Given the historical operations and the sequencing of construction at the facility, there is no reason to believe that source areas are present within or below Buildings No. 4-A, 5, 6, and 7. Furthermore, the site investigations that were previously completed at the site support this conclusion. The subslab vapor monitoring program was designed to provide sufficient data to clear these buildings as posing no risk to vapor intrusion at the facility.

2.2 Shallow Soil Conditions Under Building

The Tecumseh building is slab-on grade construction, with a floor thickness of 6 inches. Interior footings are present at 40-foot spacings throughout the facility, and are generally 5 feet square, and extend 2.5 feet below the floor surface. Historical boring logs within the building indicate that the 6-inch concrete foundation pad of the facility is underlain with 1.5 to 4 feet of granular fill material (silty to clayey sand with some cobbles and gravel). A native lean clay layer is consistently present under the granular fill and generally extends 8 to 16 feet below grade. A sand outwash is present below the clay.

2.3 Groundwater Flow

The water table is typically 8 to 14 feet below ground surface, near where the clay soil is in contact with sand outwash. Groundwater on the site flows to the east/southeast.

2.4 Historical Site Characterization and Remediation

As discussed in the introduction, extensive work has been done to characterize and remediate the soil and groundwater impacts at the site. The on-site investigations identified three main source areas for trichloroethene (TCE) and/or trichloroethane (TCA): the West Dock Area, the Recycling Dock/Southeast Degreaser Area, and the TCA Filling/East Parking Lot Area (Figure 2). Details on the site investigation and subsequent remediation activities for these areas can be found in the relevant documents submitted to the WDNR for each activity (KEY, 2000; KEY, 2002; RMT, 1997; RMT, 1999a; RMT, 1999b; RMT, 2002; RMT, 2003; RMT, 2004a; RMT, 2004b; RMT, 2005; RMT, 2006; RMT, 2008b). These activities are also summarized in one comprehensive document titled "Source Area Remediation Completion Report" (RMT 2007b). The following discussion highlights the portions of these activities that are critical to understanding the basis for the layout of the subslab vapor sampling.

2.4.1 West Dock Source Area - TCE Plume Impacts

The West Dock Source Area, which is primarily outside the facility, contained TCE and polycyclic aromatic hydrocarbon (PAH)/petroleum-related compounds in the soil. In 2002, limited soil excavation was completed to remove the PAH/petroleum-impacted soil, and infiltration trenches were constructed adjacent to the facility above the TCE source. The trenches were used to introduce a lactate solution to the subsurface to facilitate removal of the TCE from the soil and to enhance the naturally occurring biodegradation of TCE in the groundwater. The remedial objectives for the lactate infiltration were met; however, groundwater impacts remain, and a groundwater plume containing TCE and its breakdown products extends downgradient (east) from the West Dock Area under the building.

The current extent of the plume based on recent VOC data collected from the site is shown on Figure 3. The subslab vapor monitoring program targeted a transect of the upgradient edge of the plume as it extends under the building.

2.4.2 TCA Filling Area/East Parking Lot Area - Source Area Impacts

Significant TCE and TCA impacts were found in the soil to the east of the building in the TCA Filling/East Parking Lot Area. In 2000, Key Engineering Group, Ltd. (KEY), excavated the impacted soil outside the facility, treated the soil *ex situ*, and then replaced

the now clean soil into the excavation. Small pockets of impacted soil were left in place for areas near utilities and near the foundation of the building. Soil samples collected during the site investigation, and as part of the confirmation sampling for the remedial activities, showed that soil impacted with TCA was present beneath the slab on the eastern edge of the facility near the former TCA Filling area.

Because soil with residual TCA-impacts was found beneath the slab on the eastern edge of the building near the TCA Filling Area, the portion of the building east of the TCA Filling Area was targeted in the subslab vapor monitoring.

2.4.3 Recycling Dock/Southeast Degreaser Area Source Area

The Recycling Dock Area contained TCE and TCA impacts; whereas, the Southeast Degreaser Area, which is located just west of the Recycling Dock Area, exhibited low concentrations of TCE and TCA, but elevated concentrations of petroleum hydrocarbons. The commingling of the petroleum hydrocarbons and the TCE and TCA has contributed to biodegradation in this area. Because the Southeast Degreaser Area is located upgradient from, and adjacent to, the Recycling Dock Source Area, it was combined with the Recycling Dock Area for remediation; and herein they will collectively be referred to as the Recycling Dock Area.

Between 1988 and 1992, seven USTs, which had primarily contained petroleum compounds, were removed from the Recycling Dock Area. Subsequently, in 2002, three injection wells were constructed outside the facility within the Recycling Dock Area. A series of lactate injections were completed in these wells for the purpose of facilitating biodegradation of the TCE and TCA in the groundwater in this area.

The remedial objectives for the lactate injections were met; however, the soil under the building in this area was evaluated to be a potential source of vapor intrusion at the facility. Therefore, the Recycling Dock Area was targeted in the subslab vapor monitoring.

Section 3
Subslab Vapor Monitoring

On September 28, 2009, RMT, and it subcontractor Terra Engineering and Construction Corporation (Terra) mobilized to the site to initiate the subslab vapor monitoring program.

3.1 Subslab Vapor Sampling Point Locations

RMT directed Terra to construct the subslab vapor monitoring points at the locations shown on Figure 4. Twenty-six sample points were constructed in three discrete areas: the groundwater transect (GWT), the Recycling Dock Source Area (RD), and the TCA Filling/Parking Lot Area (PL). These sampling points were strategically located to characterize the vapor intrusion risk posed by three potential vapor sources identified during a review of the historical data for the facility, and to provide sufficient data to classify areas of the building (Buildings No. 4-A and 5) as posing no risk for vapor intrusion.

Thirteen sample points were constructed along a transect line which spanned the upgradient portion of the groundwater contaminant plume (GWT-1 through GWT-13), four sample points were constructed in the Recycling Dock Source Area (RD-1 through RD-4), and nine sample points were constructed in the TCA Filling/Parking Lot Area (PL-1 through PL-9). Four sample points were planned for the TCA Filling/Parking Lot Area; however, the results of the field screening completed during the subslab vapor sampling (see Subsection 4.2) indicated VOC impacts were present in PL-1 and PL-4. Therefore, five additional sample points were constructed around these sample locations to define the limits of the potential impacts in this area.

3.2 Sampling Point Construction

A representative construction drawing for each sampling point is included on Figure 5. At each sample location, a 3-inch–diameter concrete core was drilled through the concrete slab by Terra's subcontractor, Interstate Sawing. Terra then constructed a 3-inch hole to a depth of approximately 1 foot below grade in the unconsolidated fill (silty sand with gravel) using an auger attached to a power drill. Terra constructed each sample point using 0.5-inch PVC with a 6-inch slotted screen with a capped end. The screen was set to be exposed entirely within the unconsolidated fill, with a solid PVC riser extending up through the slab. Terra backfilled each hole with pea gravel to the base of the slab, and then sealed each hole with non-shrink grout across the thickness of the concrete. Each sample point extended approximately 1 foot above grade and was completed with a PVC cap, which was removed only for the period that the

sample point was connected to the blower. A photograph of the completed sample location is included in Appendix B (Photograph 1).

3.3 Sample Collection Method

A process drawing depicting the set-up of the subslab vapor sampling is included on Figure 5, and is shown in Photograph 2 (Appendix B). In addition, the sampling operations are summarized in Table 1.

To collect the sample, a Rotron® EN 454M regenerative blower was connected to each sample point. The discharge line of the blower contained a sample port connected to a 1-liter Summa canister with 30-minute regulator that was used to collect the subslab air sample, and a pitot tube that was used to evaluate the air flow rate of the extracted subslab air. A photoionization detector (PID) was set at the open end of the discharge line to continuously field screen the subslab vapor during sample collection.

The use of the blower and 30-minute regulator on the Summa canister allowed RMT to characterize the subslab air over a broad area, rather than relying on the soil vapor conditions at a discrete point to represent a larger area. This integrated approach minimizes the potential for false-positives or negatives, i.e., where the conditions at a discrete sampling point are not representative of the broader subslab conditions.

The specific procedure for collecting the integrated sample was as follows.

- Blower turned on and allowed to run for 5 minutes to purge the well.
- PID datalogger turned on and the differential pressure across the pitot tube was recorded.
- During the 5-minute purge period, a smoke test was completed to confirm indoor air was not being incorporated into the subslab air to be sampled (Photograph 3, Appendix B). The smoke test focused on the piping used to collect the sample, and the concrete slab within approximately 10 feet of the sample point. RMT observed no leaks from the concrete slab or the PVC pipe during the smoke test on each of the 26 samples.
- After the sample point was purged for 5 minutes and the smoke test confirmed that indoor air was not being incorporated into the subslab air, the 1-liter Summa canister was opened to begin sample collection. Each Summa canister was equipped with a 30-minute regulator; whereby, each sample was collected over 30 minutes.
- Following the 30-minute sample collection, the Summa canister was closed and prepared for shipping, and the blower and PID datalogger where shut off.

Section 4
Subslab Vapor Sampling Results

4.1 Flow Rate and Radius of Influence

The air flow rate and calculated radius of influence achieved at each sample location are summarized in Table 1. The air flow rates achieved during sampling ranged from 2 to 7 cubic feet per minute (cfm). Assuming a porosity of 25 percent and that the vapor was being drawn primarily from the approximately 2 feet of granular fill, the radius of influence achieved during the 35 minutes of sampling ranged from 6.5 to 12.5 feet. In each case, the radius of capture did not extend outside the footprint of the building.

4.2 PID Field-Screening

The datalog function of the MiniRAE 3000 PID was used to continuously record the PID readings of the subslab air during sample collection. The PID readings, as averaged over 60-second intervals, for each sample point are summarized in Table 2, and trend plots for the PID readings in the Recycling Dock, TCA Filling/Parking Lot, and groundwater transect are included in Appendix C.

The PID record had two purposes. First, the results of the PID field-screening were intended to provide real time data for evaluating if a potential vapor intrusion risk was present at the site, such that we could determine if additional sample points were needed define the limits of area(s) that pose a vapor intrusion risk. Secondly, the continuous PID record can be used to provide a conceptual understanding of the distribution of VOCs in the subslab air within the radius of influence of the sample. The trend plots included in Appendix C provide this conceptual picture.

The PID record for the Recycling Dock Source Area and across the groundwater transect were generally stable and below 5 ppm. The results of the field screening indicated that a vapor intrusion risk was not likely present within these areas, and that additional sample points were not needed. Elevated PID readings were detected in PL-1 and PL-4 in the Parking Lot area. The PID readings in PL-1 were initially high and steadily decreased from 55.8 to 6.0 ppm throughout sampling period, suggesting a small area of impacted soil is present surrounding this sampling point. The PID readings in PL-4 remained steadily high (approximately 95 ppm) throughout the period of sampling, suggesting more wide spread and significant impacts to soil are present near this sample location.

Based on the results of the PID field-screening, five additional sample points (PL-5 through PL-9 were constructed in the Parking Lot Area to define the limits of the impacts detected in PL-1 and PL-4. With the exception of PL-7, the PID readings were generally stable and below 6 ppm in the additional samples, indicating the limits of contamination were sufficiently defined by the additional sample points.

4.3 VOC Laboratory Results

The 26 samples collected in 1-liter Summa canisters were submitted to Pace Analytical Services, Inc., and were laboratory-analyzed for VOCs using the TO-14 method. The laboratory reports are included in Appendix D, and the results are summarized in Table 3.

4.3.1 Attenuation Factor

The USEPA has established target indoor air concentrations for VOCs, which are summarized in USEPA's Subsurface Vapor Intrusion Guidance document (USEPA, 2002). The WDNR currently recognizes use of the target indoor air concentrations that satisfy the 1×10^{-5} cancer risk level or hazard index of 1 for noncarcinogens presented in the USEPA's Subsurface Vapor Intrusion Guidance document for each listed analyte except TCE. For TCE, the WDNR currently uses the USEPA's more recent interim recommendations for TCE (USEPA, 2009) which satisfy 1×10^{-5} cancer risk; specifically, 61µg/m^3 or 11.3 ppbv for indoor air.

For screening purposes, the WDNR has suggested that a conservative attenuation factor of 100 be applied to subslab air concentrations when comparing subslab concentrations to the USEPA's established risk criteria for indoor air. The risk criteria based on an attenuation factor of 100 are summarized in Table 3. Consistent with the field-screening observations, several of the samples within the TCA Filling/Parking Lot source area exceed the risk criteria for TCA and its breakdown products (1,1-dichloroethane [DCA] and 1,1-dichloroethene [DCE]). This section of the building has an intact concrete slab that is 5 to 6 inches thick, and has an open floor plan with 20- to 25-foot ceilings, such that there is minimal potential that this area would be converted into office space. A photograph of the TCA Filling/Parking Lot Source Area is included in Appendix B (Photograph 4). Future use would likely be for manufacturing or warehouse storage. Based on these site-specific conditions, RMT applied an attenuation factor of 500 to this area of the facility. The risk criteria based on an attenuation factor of 500 are also listed in Table 3.

under a slab?

4.3.2 Recycling Dock Area Results

The results of the TO-14 analyses for the samples collected from the Recycling Dock Source area are summarized in Table 3. Minimal VOCs were detected in the four samples collected from this area, and all the detections were significantly below their respective risk criteria (using an attenuation factor of 100). Therefore, the subslab vapor sampling has confirmed that the Recycling Dock area does not pose a risk to vapor intrusion at the facility.

4.3.3 Groundwater Plume Transect Results

The results of the TO-14 analyses for the samples collected along the groundwater plume transect are summarized in Table 3. Low-level VOC concentrations associated with TCA, TCE, and petroleum products were detected in the 13 samples collected along this transect; however, all of the detections were significantly below their respective risk criteria (using an attenuation factor of 100). Therefore, the subslab vapor sampling has confirmed that the groundwater contaminant plume that extends under the facility does not pose a vapor intrusion risk, and that sections of the facility (Buildings No 4-A, 5, 6, and 7) with no known source areas do not pose a risk for vapor intrusion.

4.3.4 TCA Filling/Parking Lot Source Area Results

The results of the TO-14 analysis for the samples collected from the TCA Filling/Parking Lot Source Area are summarized in Table 3. Low-level concentrations of TCE and petroleum products were sporadically detected in the nine samples collected in this area; however, all of the detections were significantly below their respective risk criteria (using an attenuation factor of 100). Moderate to high levels of TCA and its breakdown products were detected in each of the nine samples. Consistent with the field screening results, the most significant impacts were detected in sample point PL-4. At this location, the concentration of TCA, 1,1-DCA, and 1,1-DCE each exceeded their respective risk criteria (using an attenuation factor of 500). In addition, the concentration of 1,1-DCE slightly exceeded its specific risk criterion in PL-7, which is 50 feet west of PL-4. Moderate concentrations of TCA and its breakdown products are also present in PL-2, which is 50 feet east of PL-4.

The subslab vapor monitoring has identified TCA-related impacts in the soil along an east/west line through PL-4 that pose a risk to vapor intrusion at the site. This line corresponds to the former edge of Building No. 2, such that historical practices outside of this former edge of the building could have been the source of these soil impacts. The approximate extent of the soil impacts that pose a vapor intrusion risk (using an attenuation factor of 500) are shown on Figure 4 and Figure 6.

Section 5
Conclusions and Recommendations

The results of the subslab vapor monitoring have demonstrated that Building Nos. 4-A, 5, 6, and 8, the groundwater plume under the building, and the Recycling Dock Source Area do not pose a risk to vapor intrusion at the Tecumseh facility in Grafton (Figure 6). Therefore, no additional investigation, remediation, or vapor mitigation are needed for these areas of the facility.

The results of the subslab monitoring have identified a discrete area within the TCA Filling/Parking Lot Source Area that contains elevated concentrations of TCA and its breakdown products which pose a vapor intrusion risk at the facility (Figure 6). RMT will be working with Tecumseh to develop an approach for addressing these impacts. We will present specific recommendations for this area in a workplan to be submitted to the WDNR for approval.

Section 6
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TABLES

Table 1

SubSlab Vapor Sampling Field Log

Tecumseh - Grafton, Wisconsin

Sampling Point ID	Date	Blower Operation					Calculated Radius of Influence[3] (ft)	Calculated Area of Influence (ft^2)
		Start Time	Stop Time	Differential Run Time (min)	Differential Pressure[1] (in H2O)	Flow Rate[2] (cfm)		
RD-1	9/28/2009	12:38	1:13	39	0.03	3.5	9.3	273
RD-2	9/28/2009	1:36	2:15	39	0.03	3.5	9.3	273
RD-3	9/28/2009	2:56	3:33	37	0.02	3	8.4	222
RD-4	9/28/2009	3:44	4:20	36	0.03	3.5	9.0	252
PL-1	9/28/2009	4:44	5:20	36	0.03	3.5	9.0	252
PL-2	9/29/2009	8:12	8:50	38	0.03	3.5	9.2	266
PL-3	9/29/2009	9:02	9:40	38	0.02	3	8.5	228
PL-4	9/29/2009	9:45	10:21	36	0.03	3.5	9.0	252
GWT-13	9/29/2009	10:46	11:21	35	0.06	5	10.6	350
GWT-12	9/29/2009	11:40	12:15	35	0.10	7	12.5	490
GWT-11	9/29/2009	1:49	2:25	36	0.03	3.5	9.0	252
GWT-10	9/29/2009	2:38	3:13	35	0.02	3	8.2	210
GWT-9	9/29/2009	3:26	4:01	35	0.03	3.5	8.8	245
GWT-8	9/29/2009	4:17	4:52	35	0.02	3	8.2	210
GWT-7	9/30/2009	8:14	8:49	35	0.02	3	8.2	210
GWT-6	9/30/2009	9:10	9:45	35	0.03	3.5	8.8	245
GWT-5	9/30/2009	9:52	10:27	35	0.01	2	6.7	140
GWT-4	9/30/2009	10:55	11:30	35	0.02	3	8.2	210
GWT-3	9/30/2009	11:39	12:15	36	0.01	2	6.8	144
GWT-2	9/30/2009	12:30	1:06	36	0.01	2	6.8	144
GWT-1	9/30/2009	1:17	1:57	40	0.01	2	7.1	160
PL-6	10/5/2009	9:58	10:35	37	0.01	2	6.9	148
PL-7	10/5/2009	10:45	11:20	35	0.03	3.5	8.8	245
PL-5	10/5/2009	12:25	1:00	35	0.07	5.5	11.1	385
PL-9	10/5/2009	1:09	1:45	36	0.01	2	6.8	144
PL-8	10/5/2009	1:52	2:27	35	0.01	2	6.7	140

Notes:

[1] Differential Pressure was recorded using a Dwyer Instrument pitot tube.

[2] Flow rate was approximated using correlation between differential pressure and flow rate for the pitot tube.

[3] Radius of Influence =

$$\sqrt{\frac{\text{FlowRate} * \text{RunTime}}{\pi * (2\text{ft}) * (25\%)}}$$

Table 3
Subslab Vapor Monitoring Results
Tecumseh - Grafton, Wisconsin

Sample ID	Date	Analyte Detected (ppbv)																
		1,1,1-TCA	1,1-DCA	1,1- DCE	Chloro-ethane	PCE	TCE[2]	cis-1,2-DCE	trans-1,2-DCE	Benzene	Ethyl-benzene	Toluene	m&p-Xylenes	o-Xylene	1,3,5-TMB	1,2,4-TMB	Methylene Chloride	Trichloro-fluoro-methane
10^{-5} Risk or HI =1 and a = 1/100 Criteria [1]		40,000	12,000	5,000	380,000	120	1,132	880	1,800	98	510	11,000	160,000	160,000	120	120	1,500	12,000
10^{-5} Risk or HI =1 and a = 1/500 Criteria[3]		200,000	60,000	25,000	1,900,000	600	5,660	4,400	9,000	490	2,550	55,000	800,000	800,000	600	600	7,500	60,000
RECYCLING DOCK SOURCE																		
RD-1	9/28/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.1	ND	ND	ND	ND	381 E	ND
RD-2	9/28/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND
RD-3	9/28/2009	9.8	ND	ND	ND	ND	20.9	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND
RD-4	9/28/2009	ND	11.3	2.2	ND	ND	ND	3.4	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND
TCA FILLING/PARKING LOT SOURCE																		
PL-1	9/28/2009	530	10.8	119	ND	ND	31.8	ND	ND	15.9	2.5	1.3	ND	ND	ND	ND	ND	ND
PL-2	9/29/2009	20,100 A3	33,600 A3, E	10,500 A3	113	ND	ND	ND	ND	85.7	ND	ND	ND	ND	ND	ND	ND	ND
PL-3	9/29/2009	1,680 A3	542	293	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	242	ND
PL-4	9/29/2009	**4,020,000 E**	**68,400**	**753,000**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PL-5	10/5/2009	460 A3	7.7	87.6	ND	ND	189	5.6	ND	ND	ND	ND	ND	ND	ND	ND	22.1	9.7
PL-6	10/5/2009	18,400 A3	454 E	5,880 E	ND	ND	57.1	ND	ND	ND	ND	11.5	ND	ND	ND	ND	ND	ND
PL-7	10/5/2009	74,300 E	9,040	**25,800**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PL-8	10/5/2009	144	37.6	51.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	931 E	ND
PL-9	10/5/2009	11,600	13,300	7,990	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GROUNDWATER TRANSECT																		
GWT-1	9/30/2009	ND	ND	ND	ND	ND	ND	ND	ND	37.7	9.2	ND	ND	ND	ND	ND	425	ND
GWT-2	9/30/2009	1.6	ND	ND	ND	4.8	1.4	ND	ND	49.9	9.7	6.1	9.8	2.5	4.8	ND	3.2	ND
GWT-3	9/30/2009	58.8	ND	ND	ND	5.3	35.3	2.3	ND	ND	ND	3.7	ND	ND	ND	ND	23.4	ND
GWT-4	9/30/2009	3.6	2.4	1.5	ND	ND	8.8	9.3	3.0	ND	ND	ND	ND	ND	ND	ND	298 E	ND
GWT-5	9/30/2009	10.3	2.0	ND	ND	11.0	42.6	6.9	ND	ND	ND	2.2	ND	ND	ND	ND	15.2	ND
GWT-6	9/30/2009	34.3	ND	ND	ND	5.3	1.9	ND	ND	ND	ND	2.4	3.4	1.4	ND	ND	ND	52.3
GWT-7	9/30/2009	26.6	ND	ND	ND	3.9	ND	ND	ND	1.1	ND	1.1	ND	ND	ND	ND	ND	3.6
GWT-8	9/29/2009	16.4	2.0	2.4	ND	4.3	ND	56.8	ND	2.6	ND	4.5	ND	1.3	ND	ND	ND	ND
GWT-9	9/29/2009	284	3.5	13.8	ND	7.5	2.8	ND	ND	ND	ND	7.2	ND	ND	ND	ND	553	ND
GWT-10	9/29/2009	6.5	ND	1.1	ND	ND	ND	ND	ND	0.84	ND	4.6	4.7	1.7	ND	1.9	117 E	ND
GWT-11	9/29/2009	32.9	1.7	3.1	ND	ND	ND	ND	ND	ND	ND	3.2	ND	ND	ND	ND	6.8	ND
GWT-12	9/29/2009	37.1	50.4	12.7	ND	ND	ND	ND	ND	ND	ND	3.0	ND	ND	ND	ND	ND	ND
GWT-13	9/29/2009	48.3	59.9	12.9	ND	ND	ND	ND	ND	ND	ND	3.1	ND	ND	ND	ND	111 E	ND

Notes

1. Only those analytes that were detected in at least one sample have been included in this summary table.

TMB = trimethybenzene.
TCA = trichlorethane.
DCE = dichloroethene.
PCE = tetrachloroethene.
TCE = trichloroethene.
A3 = The sample was analyzed by serial dilution
E = Analyte concentration exceeded the calibration range. The reported result is estimated.
BOLD = concentration exceeds the risk criteria associated with an attenuation factor of 500 or a = 0.002.

Prepared By: R. Shimko 10/19/09
Checked By: A. Sellwood 10/21/09

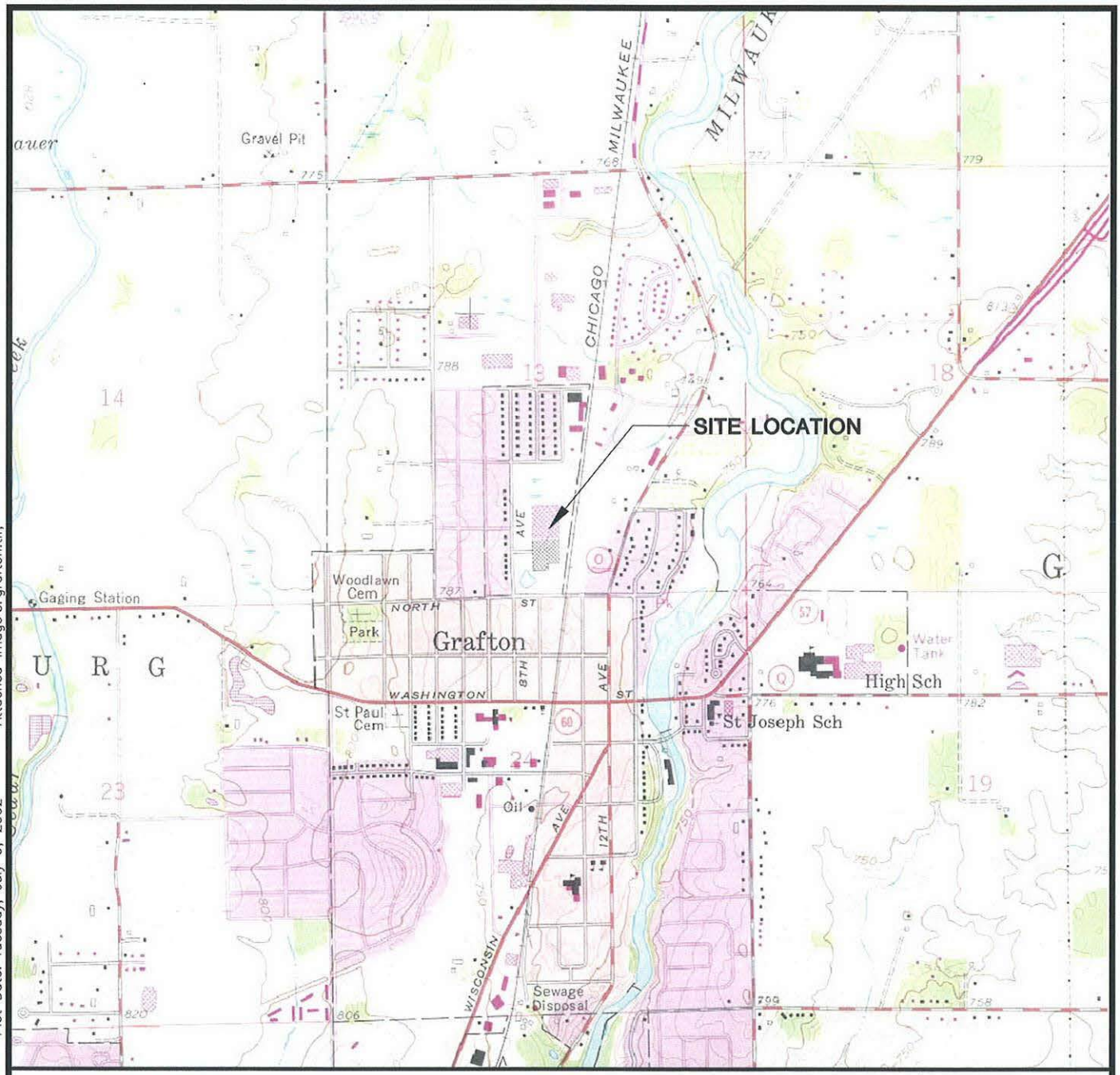
Footnotes

[1] From Table 2b in USEPA "OSWER Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance)." EPA 530-D-02-004. November 2002.

[2] The Regulatory Limit for TCE taken from USEPA "Interim recommended TCE toxicity value to assess human health risk and recommendations for vapor intrusion pathway analysis." January 15, 2009.

[3] The criteria associated with an attenuation factor of 500 were applied to the TCA Filling/Parking Lot Area.

FIGURES



STATE LOCATION

SOURCE: BASE MAP FROM CEDARBURG, WI. 7.5 MIN. USGS QUADRANGLE.

N

0 2000 4000

SCALE: 1"=2000'

RMT

TECUMSEH PRODUCTS COMPANY

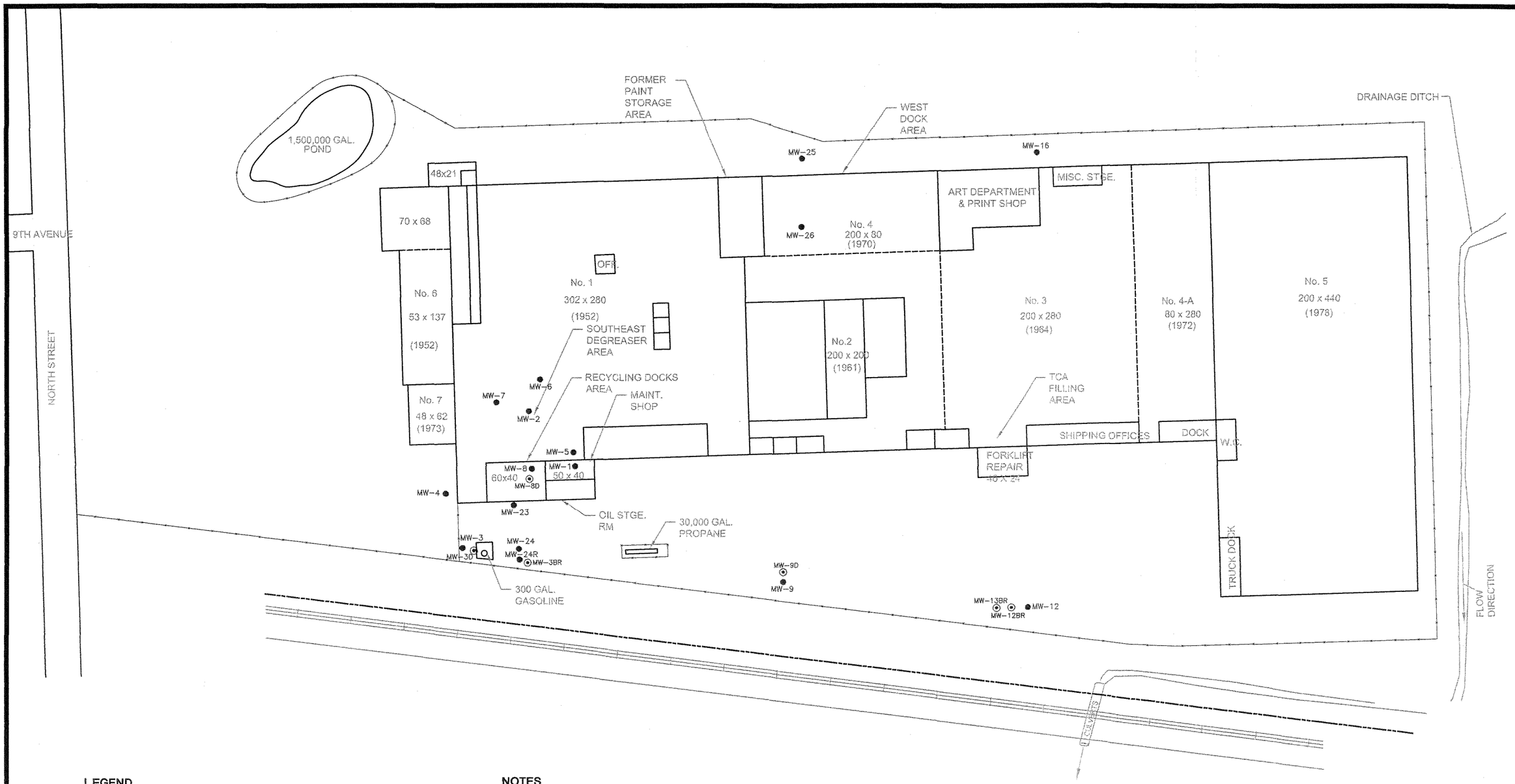
GRAFTON, WISCONSIN

SITE LOCATION MAP

DRAWN BY:	SIEWERTD
APPROVED BY:	TS
PROJECT NO.	07397.10
FILE NO.	73971003.DWG
DATE:	NOVEMBER 2009

FIGURE 1

PLOT DATA
Drawing Name: J:\07397\03\73970301.DWG
Operator Name: FITZGERE
Scale: 1"=1'
Dwg Size: 42009 Bytes
Plot Date: Tuesday, July 9, 2002
Plot Time: 07:59.36 AM
Attached Xref's: No xref's attached.
Attached Image's: grafton.tif;



LEGEND

- MW-10 WATER TABLE WELL
- MW-3BR PIEZOMETER
- RAILROAD
- PROPERTY LINE
- PIPES BELOW GROUND
- AISLEWAY
- FD* FLOOR DRAIN
- CO* CLEAN OUT

NOTES

1. FACILITY LAYOUT ADAPTED FROM DRAWINGS PROVIDED BY TECUMSEH PRODUCTS COMPANY.
2. MONITORING WELL LOCATIONS AND ELEVATIONS WERE SURVEYED BY RMT INC. ON 12/5/94.

N

0 50 100

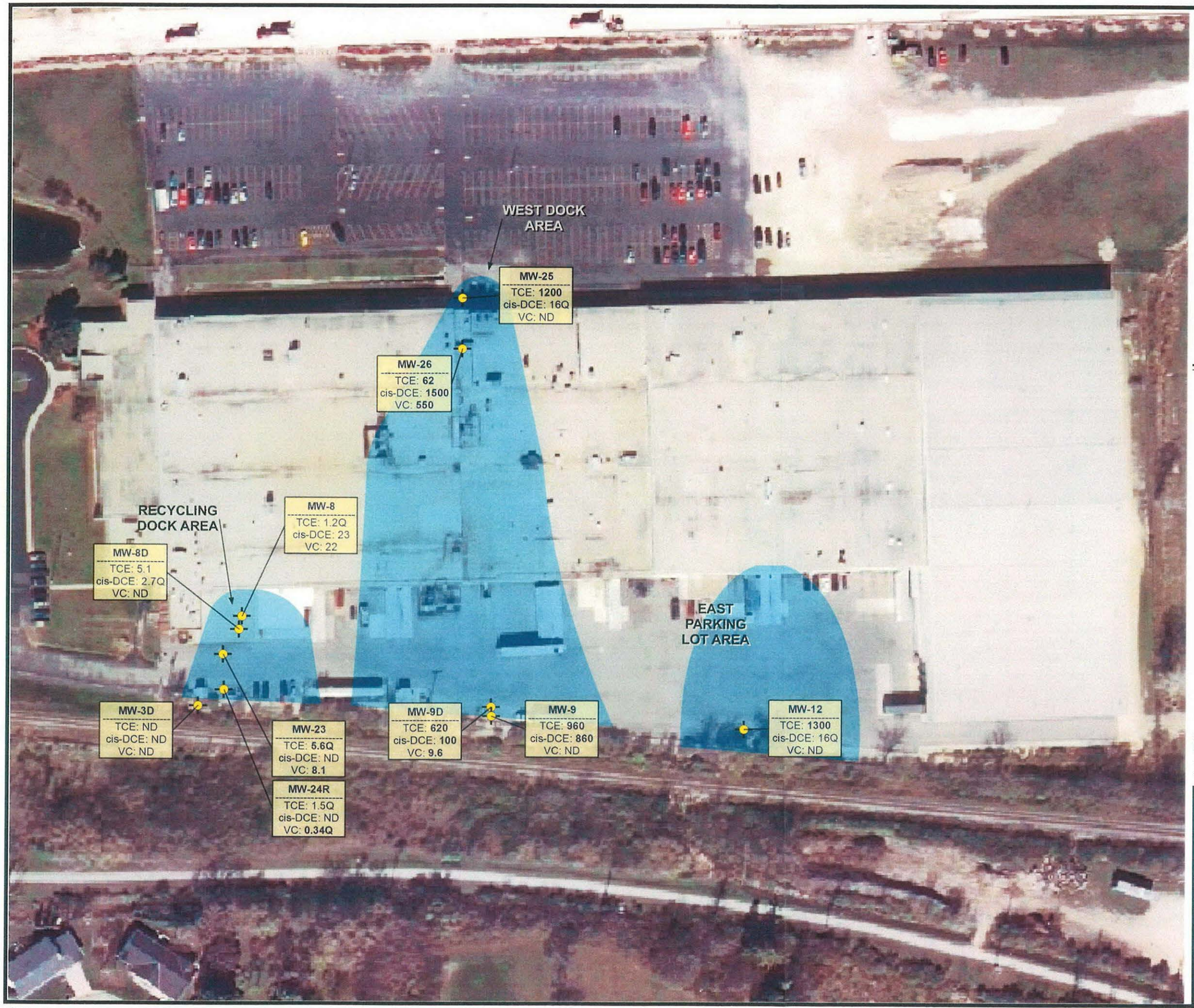
SCALE: 1"= 100'

PROJECT:
TECUMSEH PRODUCTS COMPANY
GRAFTON, WISCONSIN

SHEET TITLE:
SITE PLAN

DRAWN BY: SIEWERTD	SCALE:	PROJ. NO.	07397.10
CHECKED BY: AAS	1"=100'	FILE NO.	73971002.DWG
APPROVED BY: TS	DATE PRINTED: NOV 17 2009	FIGURE 2	
DATE: NOVEMBER 2009			

RMT
744 Heartland Trail
Madison, WI 53717-1934
P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334



LEGEND

- WELL LOCATION WITH MAY 2007 SAMPLE RESULTS (ug/L)
- APPROXIMATE EXTENT OF SHALLOW TCE IMPACT

TCE = TRICHLOROETHENE
cis-DCE = cis - 1,2 - DICHLOROETHENE
VC = VINYL CHLORIDE

BOLD VALUES INDICATE AN NR140 ES EXCEEDENCE.

NOTES

1. BASE IMAGE FROM SOUTHEASTER WISCONSIN REGIONAL LAND INFORMATION, 2005.

0 100 200 FEET

1 " = 100 '
1:1,200

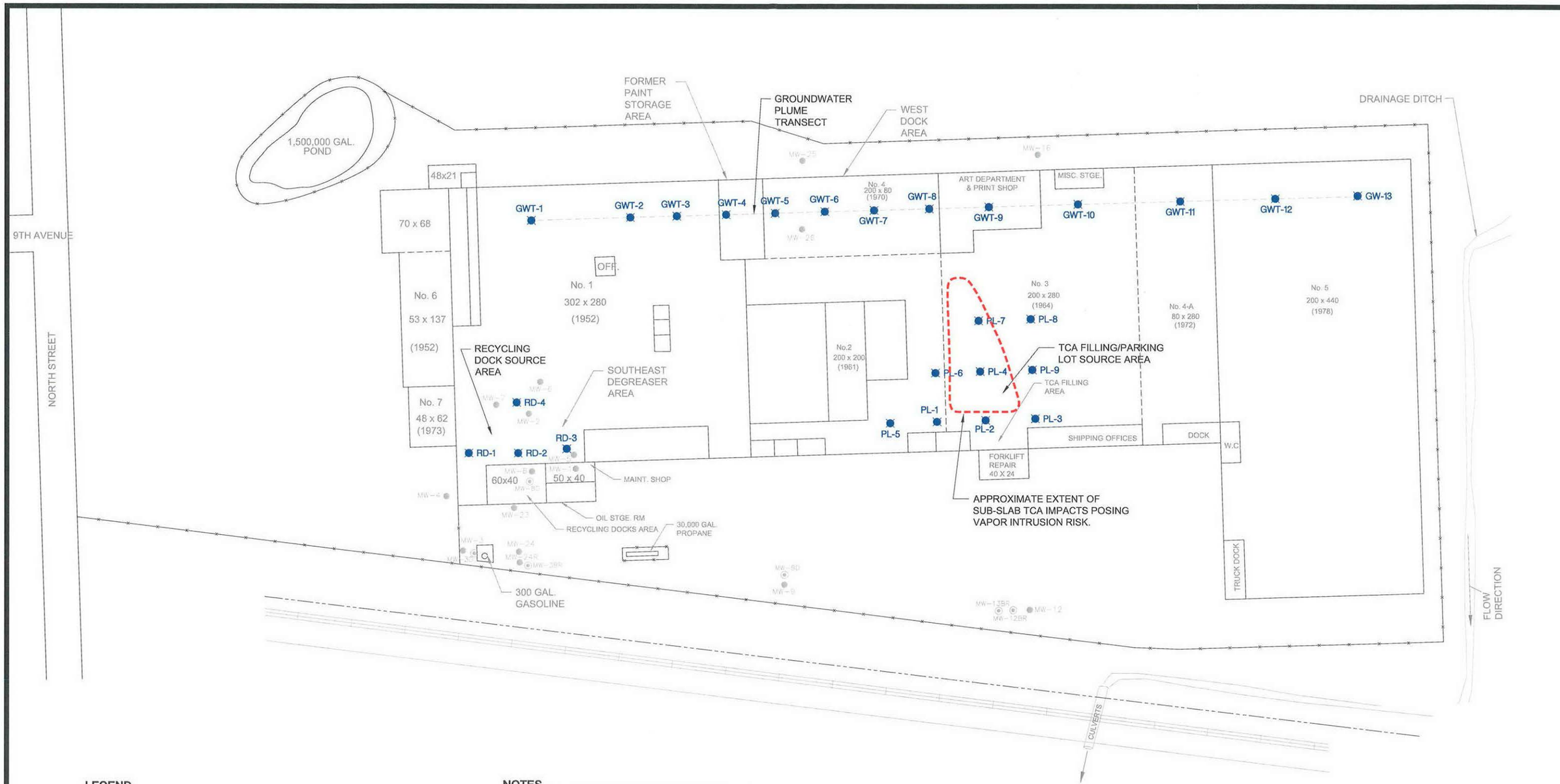
PROJECT:
TECUMSEH PRODUCTS COMPANY
GRAFTON, WI

SHEET TITLE:
APPROXIMATE EXTENT OF SHALLOW TCE IMPACTS TO ON-SITE GROUNDWATER

DRAWN BY: PAPEZ J	SCALE:	PROJ. NO.	00-007397.02
CHECKED BY: SAK	AS NOTED	FILE NO.	30843017.mxd
APPROVED BY: JMR	DATE PRINTED:	**FIGURE 3**	
DATE: NOVEMBER 2009	11/5/2009		

RMT
744 Heartland Trail
Madison, WI 53717-1934
P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334

D:\03084\30\GIS\30843017.mxd 11/5/2009 13:11:31



LEGEND

- MW-10 WATER TABLE WELL
- MW-3BR PIEZOMETER
- RAILROAD
- PROPERTY LINE
- PIPES BELOW GROUND
- AISLEWAY
- FD* FLOOR DRAIN
- CO* CLEAN OUT
- INSTALLED VAPOR SAMPLE POINT LOCATION
- APPROXIMATE EXTENT OF SUB-SLAB TCA IMPACTS POSING VAPOR INTRUSION RISK.

NOTES

1. FACILITY LAYOUT ADAPTED FROM DRAWINGS PROVIDED BY TECUMSEH PRODUCTS COMPANY.
2. MONITORING WELL LOCATIONS AND ELEVATIONS WERE SURVEYED BY RMT INC. ON 12/5/94.

0 50 100
SCALE: 1"= 100'

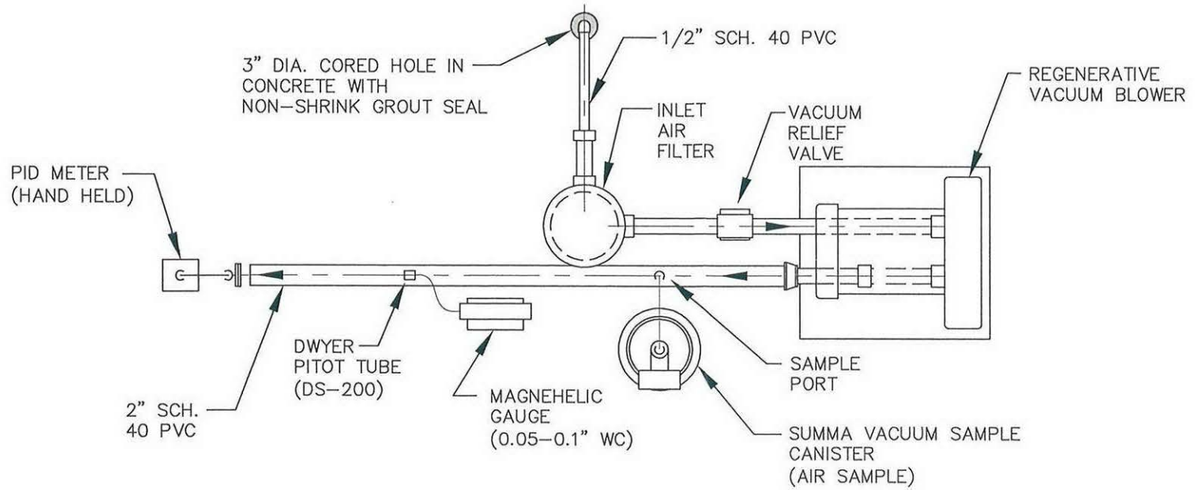
PROJECT:
TECUMSEH PRODUCTS COMPANY
GRAFTON, WISCONSIN

SHEET TITLE:
SUBSLAB VAPOR SAMPLING LOCATIONS INSTALLATION DOCUMENTATION

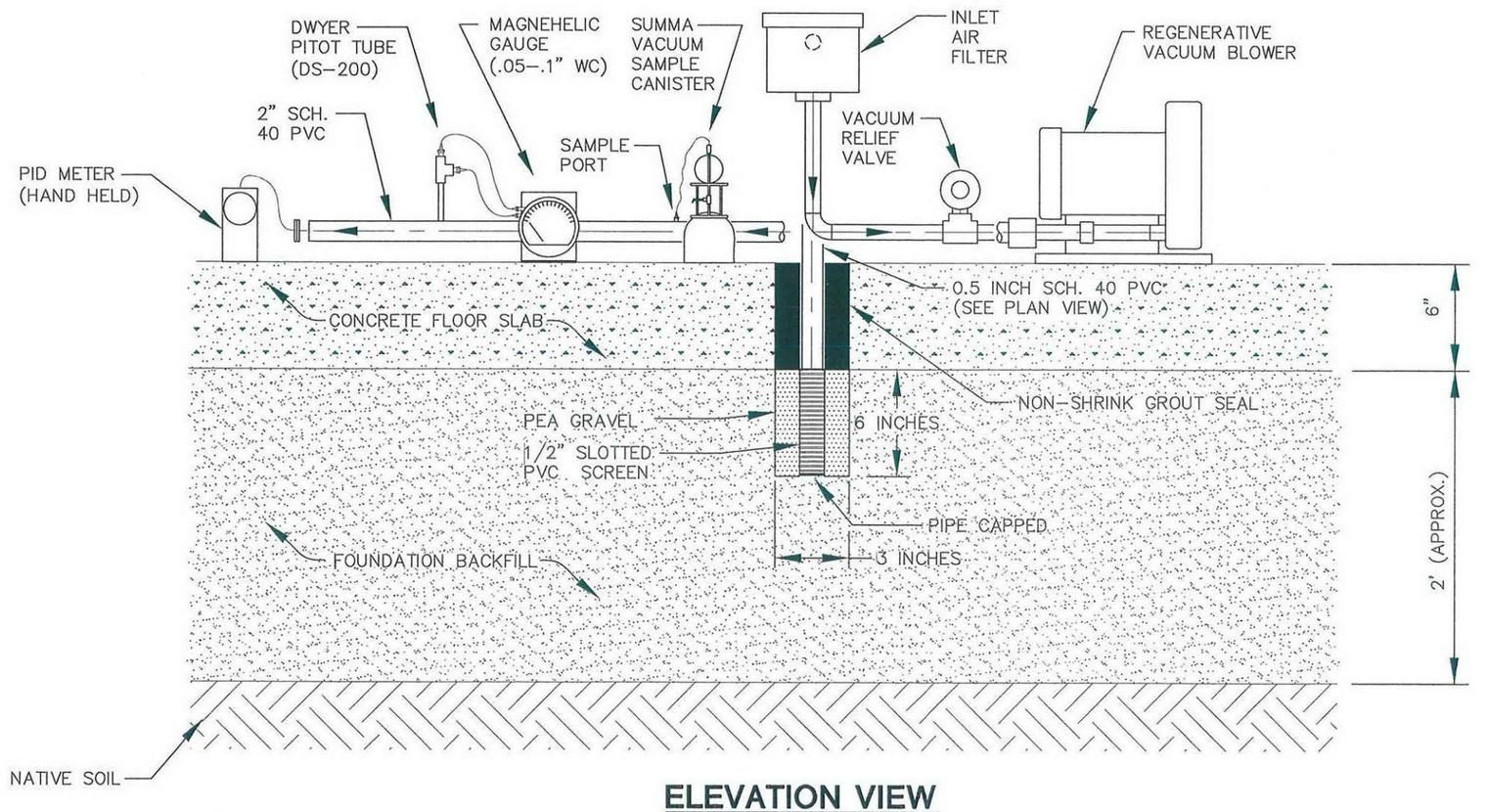
DRAWN BY: SIEWERTD	SCALE:	PROJ. NO.	07397.10
CHECKED BY: AAS	1"=100'	FILE NO.	73971008.DWG
APPROVED BY: TS	DATE PRINTED:		FIGURE 4
DATE: NOVEMBER 2009			

NOV 17 2009

RMT
Heartland Trail
Madison, WI 53717-1934
P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334



PLAN VIEW



ELEVATION VIEW

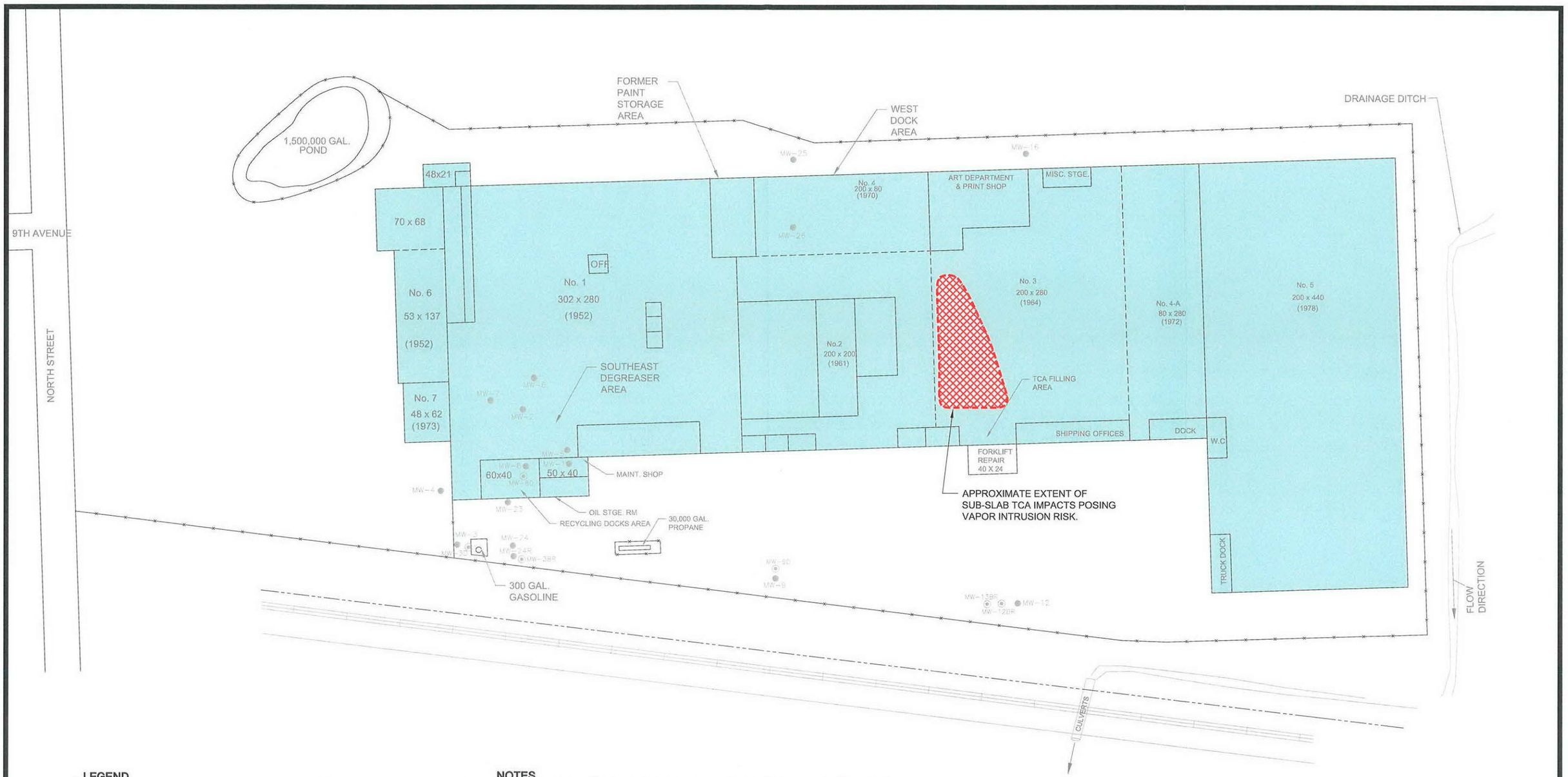
PLOT DATA
Drawing Name: J:\07397\10\73971007.DWG
Operator Name: siewertd
Scale: 1"=1'

PROJECT:
TECUMSEH PRODUCTS COMPANY
GRAFTON, WISCONSIN

SHEET TITLE:
MECHANICAL PLAN AND ELEVATION

DRAWN BY: SIEWERTD	SCALE:	PROJ. NO.	07397.10
CHECKED BY: AAS	NOT TO SCALE	FILE NO.	73971007.DWG
APPROVED BY: TS	DATE PRINTED: NOV 17 2009	**FIGURE 5**	
DATE: NOVEMBER 2009			

RMT
744 Heartland Trail
Madison, WI 53717-1934
P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334



LEGEND

- MW-10 WATER TABLE WELL
- MW-38R PIEZOMETER
- RAILROAD
- PROPERTY LINE
- PIPES BELOW GROUND
- AISLEWAY
- FD* FLOOR DRAIN
- CO* CLEAN OUT
- AREA THAT DOES NOT POSE VAPOR INTRUSION RISK.
- APPROXIMATE EXTENT OF SUB-SLAB TCA IMPACTS POSING VAPOR INTRUSION RISK.

NOTES

1. FACILITY LAYOUT ADAPTED FROM DRAWINGS PROVIDED BY TECUMSEH PRODUCTS COMPANY.
2. MONITORING WELL LOCATIONS AND ELEVATIONS WERE SURVEYED BY RMT INC. ON 12/5/94.

0 50 100
SCALE: 1"=100'

PROJECT:
TECUMSEH PRODUCTS COMPANY
GRAFTON, WISCONSIN

SHEET TITLE:
AREA POSING A VAPOR INTRUSION RISK

DRAWN BY: SIEWERTD	SCALE:	PROJ. NO.	07397.10
CHECKED BY: AAS	1"=100'	FILE NO.	73971009.DWG
APPROVED BY: TS	DATE PRINTED:	**FIGURE 6**	
DATE: NOVEMBER 2009	NOV 17 2009		

RMT
744 Heartland Trail
Madison, WI 53717-1934
P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334

APPENDIX A

Appendix A
WDNR Correspondence

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Gloria L. McCutcheon, Regional Director

Plymouth Service Center
1155 Pilgrim Rd.
P.O. Box 408
Plymouth, Wisconsin 53073-0408
Telephone 920-892-8756
FAX 920-892-6638

August 11, 2009

Jason Smith
Tecumseh Products Company
1604 Michigan Avenue
New Holstein, WI 53061-1175

Dear Mr. Smith:

Subject: Approval for Subslab Vapor Sampling Workplan at Tecumseh, 900 North Street, Grafton, file reference FID #246009170, BRRTS #246009170.

Thank you for submitting a work plan for vapor pathway investigation within the Tecumseh facility in Grafton. I approve the plan with the following recommendations from Terry Evanson, from the WDNR Remediation and Redevelopment Bureau in Madison:

- Take continuous, or very frequent, PID readings to determine the consistency of volatiles in the sub-surface - if there are up and/or down spikes in concentration that may indicate the presence of hot-spots or leaks through the floor.
- Report the estimated volume of air drawn from the subsurface from each probe and the estimated radius of influence of each probe - this should help your understanding of the volume and distance (from the probe) that the sample from each probe represents.
- Document and submit results of your leak detection, smoke tests.

If you have any questions about this letter, please call me at 920-892-8756, extension 3023, or Terry Evanson at 608-266-0941.

Sincerely,

John Feeney
Wisconsin Department of Natural Resources

Cc: RMT, Inc.
Terry Evanson, WDNR
SER File

APPENDIX B

Appendix B
Photographs

RMT

Photographic Log

Client Name	Site Location	Project No.
Tecumseh	Grafton, Wisconsin	7397.10

Photo No.	Date
1	9/28/09

Description

Completed vapor sampling point. Each point constructed of 0.5-inch PVC pipe that extends approximately 1 foot abovegrade, and is capped with a PVC slip cover. The PVC cap is kept on each sampling point except for time of sampling collection.

Photo No.	Date
2	9/28/09

Description

Subslab vapor sampling setup. Blower is connected to vapor sample point on the vacuum side. Discharge line of the blower contains a sample port connected to the Summa canister to collect the subslab air sample, a pitot tube to record air flow rate, and the PID to field screen the subslab air.

1/2

RMT

Photographic Log

Client Name	Site Location	Project No.

Photo No.	Date
3	9/29/09

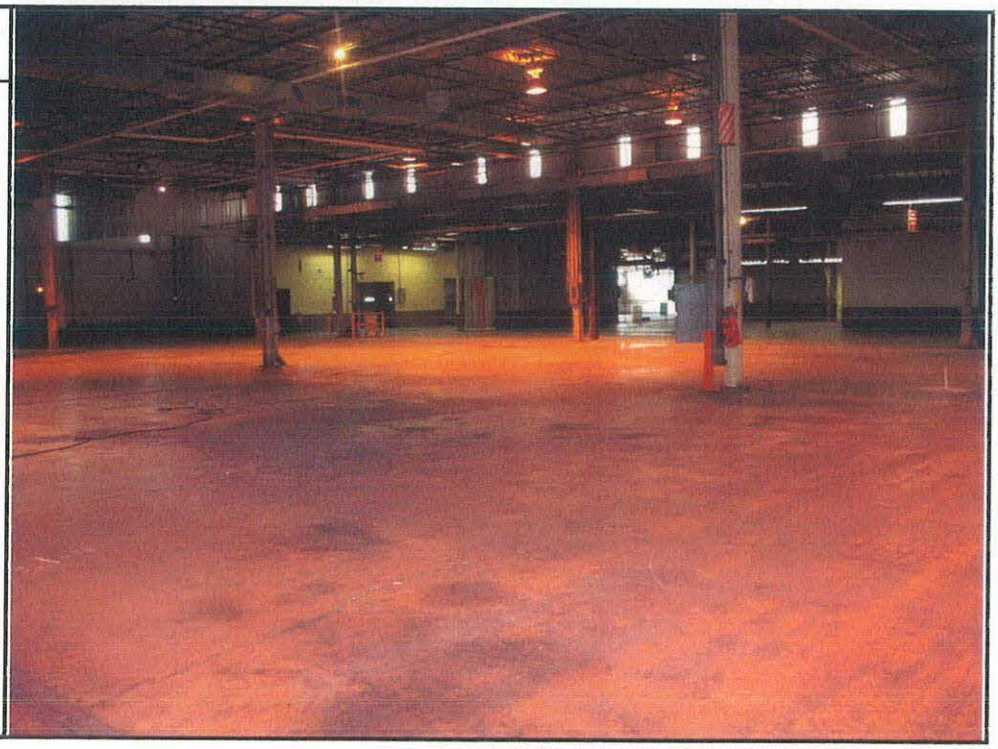
Description

Smoke test completed on each sample point to confirm that indoor air was not incorporated into the subslab sample.

Photo No.	Date
4	10/5/09

Description

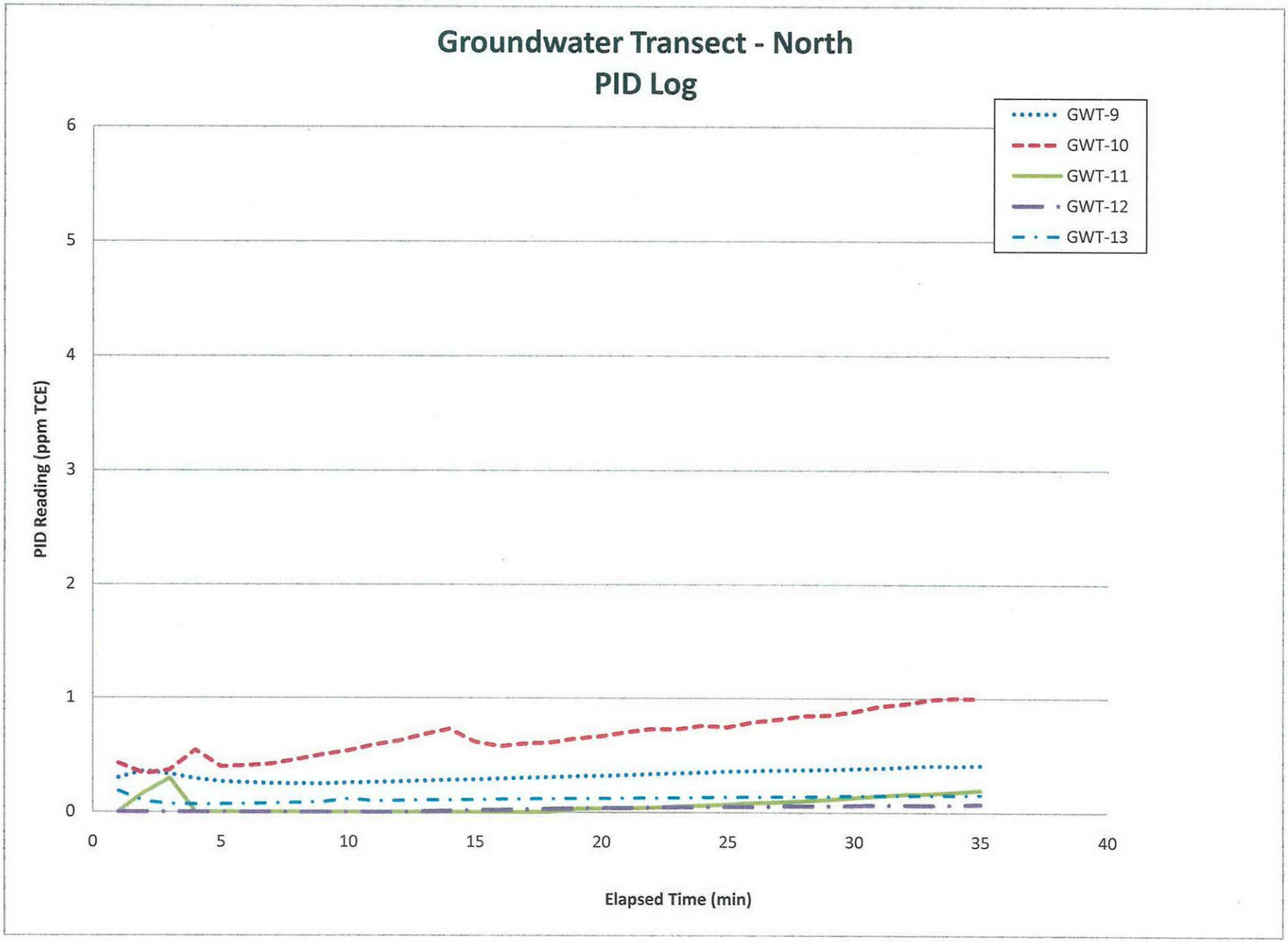
Looking southeast at the "TCA Filling/Parking Lot Area." This section if the building has approximately 20- to 25-foot ceilings, and is best suited for storage or manufacturing and will not likely serve a use as confined office space.



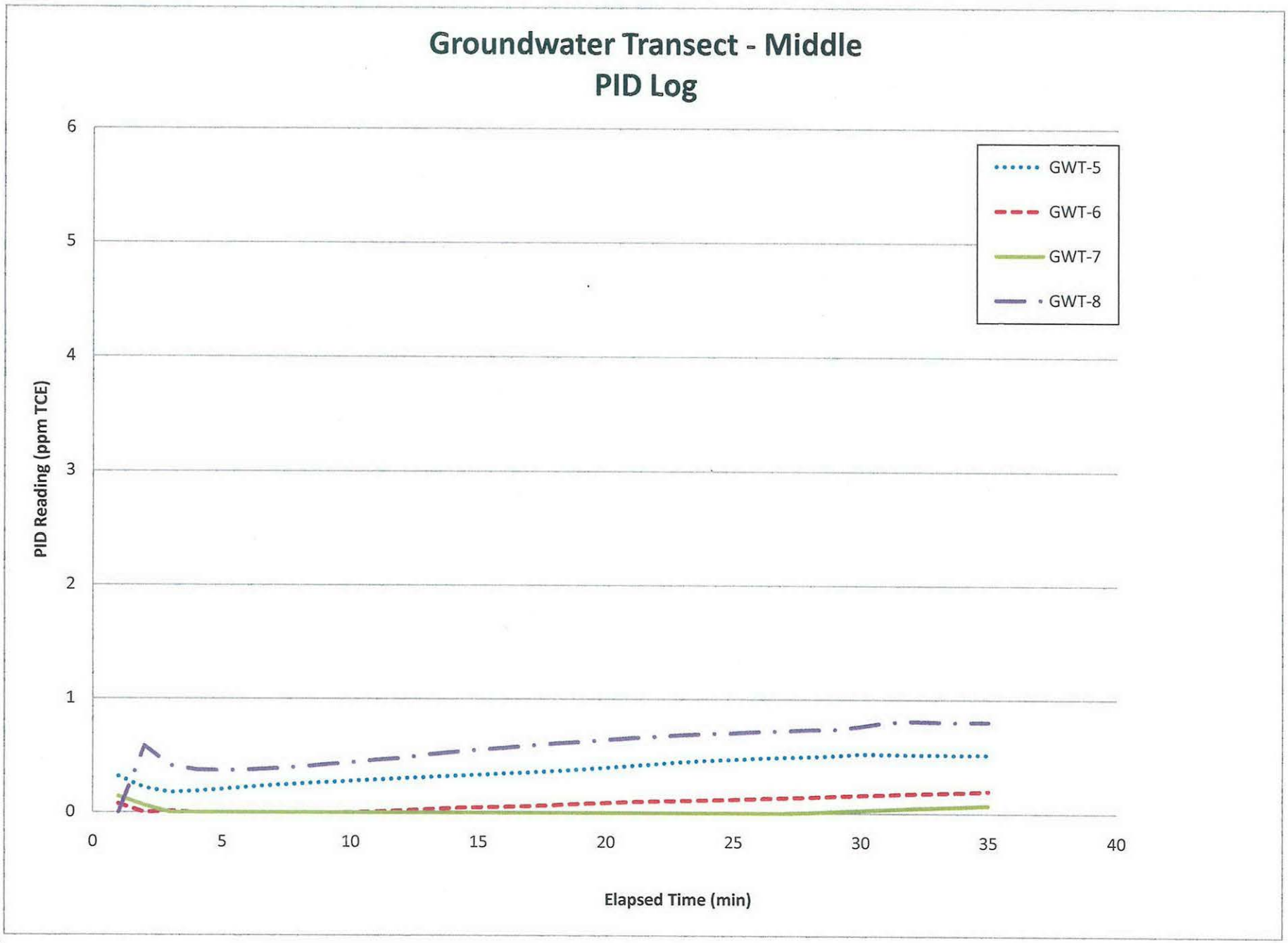
2/2

APPENDIX C

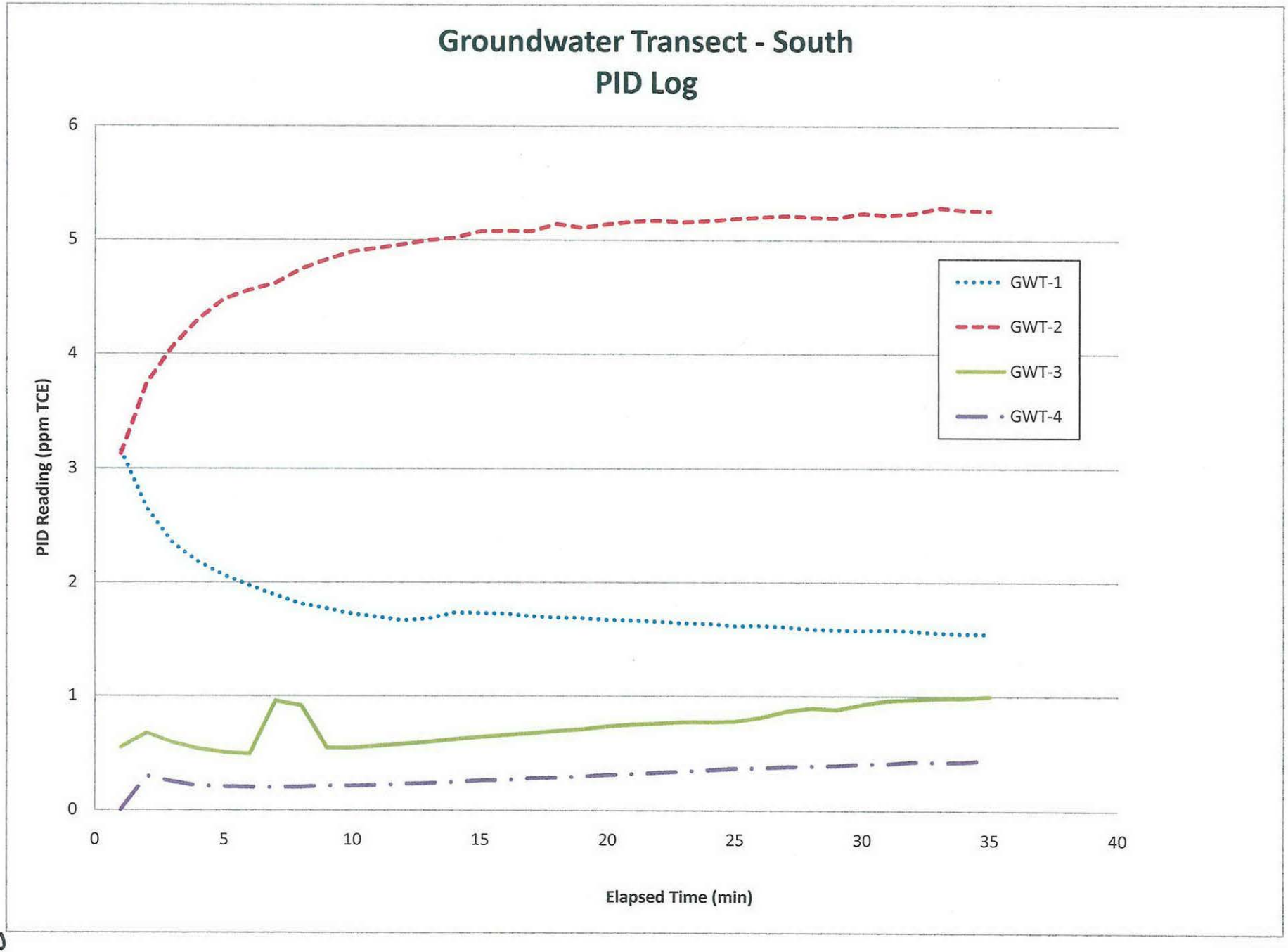
Appendix C
PID Trend Plots


Groundwater Transect - North
PID Log
GWT-9
GWT-10
GWT-11
GWT-12
GWT-13
PID Reading (ppm TCE)
0
1
2
3
4
5
6
0
5
10
15
20
25
30
35
40
Elapsed Time (min)

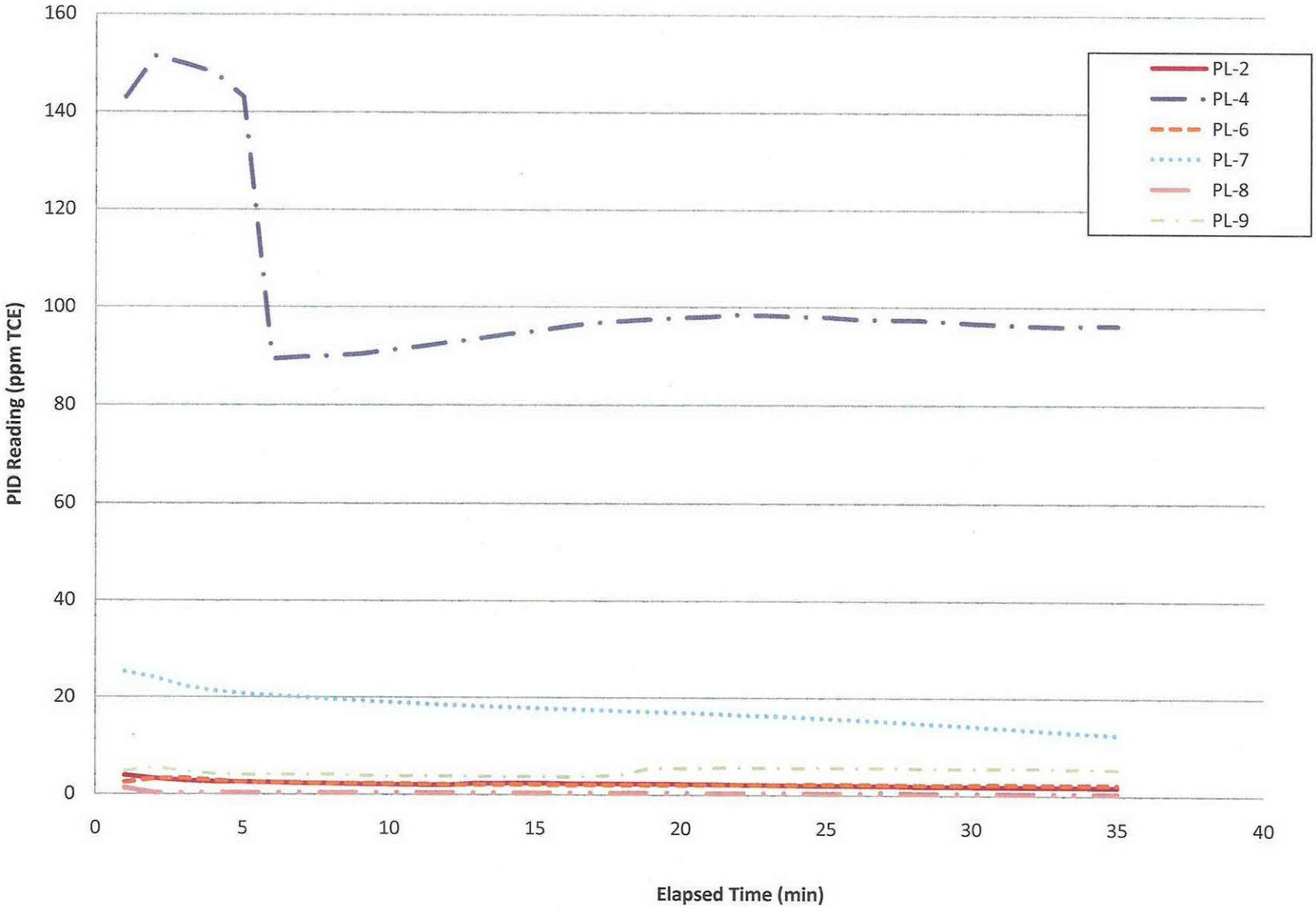
9/1


Groundwater Transect - Middle
PID Log
PID Reading (ppm TCE)
Elapsed Time (min)
GWT-5
GWT-6
GWT-7
GWT-8
0
1
2
3
4
5
6
0
5
10
15
20
25
30
35
40

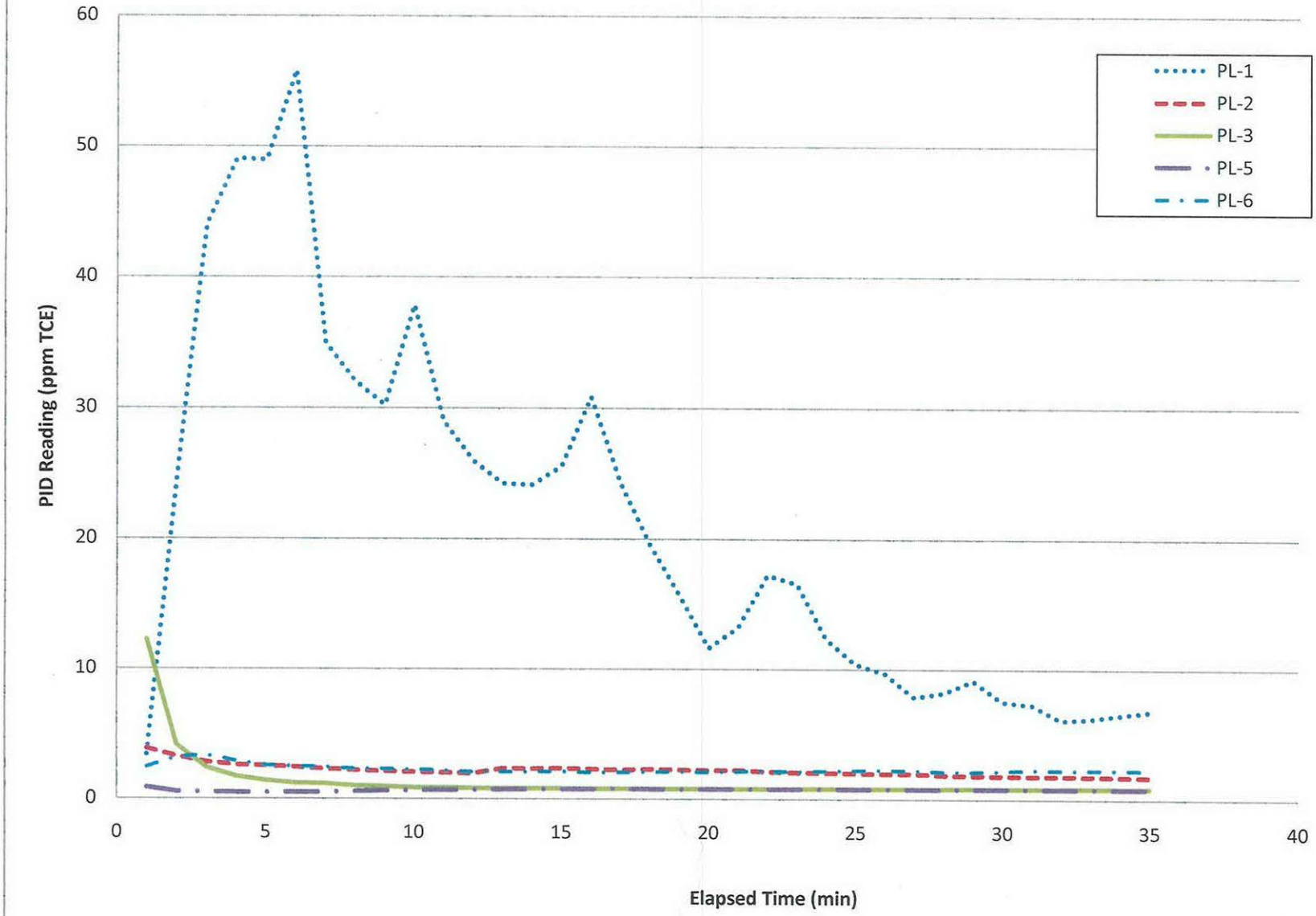
2


Groundwater Transect - South
PID Log
PID Reading (ppm TCE)
Elapsed Time (min)
GWT-1
GWT-2
GWT-3
GWT-4
0
1
2
3
4
5
6
0
5
10
15
20
25
30
35
40

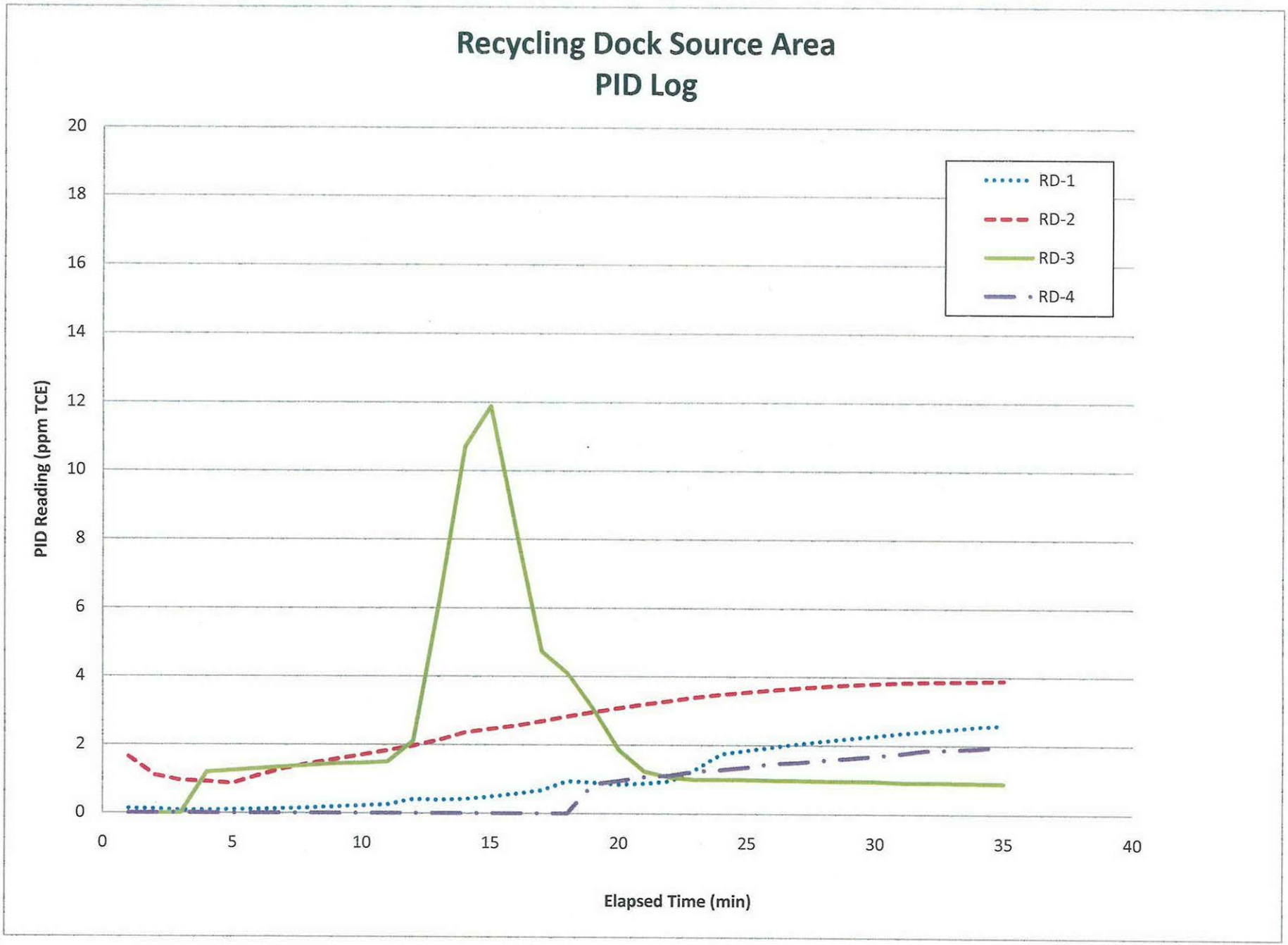
Parking Lot Source Area (PL-4 Grid)
PID Log



Parking Lot Source Area (PL-1 Grid)
PID Log



S


Recycling Dock Source Area
PID Log
PID Reading (ppm TCE)
Elapsed Time (min)
RD-1
RD-2
RD-3
RD-4
0
2
4
6
8
10
12
14
16
18
20
0
5
10
15
20
25
30
35
40

6/6

APPENDIX D

Appendix D
Laboratory Reports

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

October 14, 2009

Alyssa Sellwood
RMT, INC
744 Heartland Trail
Madison, WI 53717

RE: Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Dear Alyssa Sellwood:
Enclosed are the analytical results for sample(s) received by the laboratory on October 02, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Colin Schuft

Colin Schuft

colin.schuft@pacelabs.com
Project Manager

Enclosures

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Minnesota Certification IDs
1700 Elm Street SE, Suite 200 Minneapolis, MN 55414
Alaska Certification #: UST-078
Washington Certification #: C754
Tennessee Certification #: 02818
Pennsylvania Certification #: 68-00563
Oregon Certification #: MN200001
North Dakota Certification #: R-036
North Carolina Certification #: 530
New York Certification #: 11647
New Jersey Certification #: MN-002
Montana Certification #: MT CERT0092
Minnesota Certification #: 027-053-137
Maine Certification #: 2007029
Louisiana Certification #: LA080009
Louisiana Certification #: 03086
Kansas Certification #: E-10167
Iowa Certification #: 368
Illinois Certification #: 200011
Florida/NELAP Certification #: E87605
California Certification #: 01155CA
Arizona Certification #: AZ-0014
Wisconsin Certification #: 999407970

ACCREDITED IN ACCORDANCE WITH nelac

2

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10113864001	RD-1	Air	09/28/09 01:14	10/02/09 09:04
10113864002	RD-2	Air	09/28/09 02:11	10/02/09 09:04
10113864003	RD-4	Air	09/28/09 03:33	10/02/09 09:04
10113864004	RD-3	Air	09/28/09 04:20	10/02/09 09:04
10113864005	PL-1	Air	09/28/09 05:20	10/02/09 09:04
10113864006	PL-4	Air	09/29/09 08:50	10/02/09 09:04
10113864007	PL-3	Air	09/29/09 09:40	10/02/09 09:04
10113864008	PL-2	Air	09/29/09 10:21	10/02/09 09:04
10113864009	GWT-13	Air	09/29/09 11:21	10/02/09 09:04
10113864010	GWT-12	Air	09/29/09 12:15	10/02/09 09:04
10113864011	GWT-11	Air	09/29/09 02:25	10/02/09 09:04
10113864012	GWT-10	Air	09/29/09 14:58	10/02/09 09:04
10113864013	GWT-9	Air	09/29/09 04:01	10/02/09 09:04
10113864014	GWT-8	Air	09/29/09 04:52	10/02/09 09:04
10113864015	GWT-7	Air	09/30/09 08:49	10/02/09 09:04
10113864016	GWT-6	Air	09/30/09 09:45	10/02/09 09:04
10113864017	GWT-5	Air	09/30/09 10:27	10/02/09 09:04
10113864018	GWT-4	Air	09/30/09 11:30	10/02/09 09:04
10113864019	GWT-3	Air	09/30/09 12:14	10/02/09 09:04
10113864020	GWT-2	Air	09/30/09 13:05	10/02/09 09:04
10113864021	GWT-1	Air	09/30/09 13:56	10/02/09 09:04

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SAMPLE ANALYTE COUNT

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10113864001	RD-1	TO-14 Ambient Air	DB1	39
10113864002	RD-2	TO-14 Ambient Air	DB1	39
10113864003	RD-4	TO-14 Ambient Air	DB1	39
10113864004	RD-3	TO-14 Ambient Air	DB1	39
10113864005	PL-1	TO-14 Ambient Air	DB1	39
10113864006	PL-4	TO-14 Ambient Air	DB1	39
10113864007	PL-3	TO-14 Ambient Air	DB1	39
10113864008	PL-2	TO-14 Ambient Air	DB1	39
10113864009	GWT-13	TO-14 Ambient Air	DB1	39
10113864010	GWT-12	TO-14 Ambient Air	DB1	39
10113864011	GWT-11	TO-14 Ambient Air	DB1	39
10113864012	GWT-10	TO-14 Ambient Air	DB1	39
10113864013	GWT-9	TO-14 Ambient Air	DB1	39
10113864014	GWT-8	TO-14 Ambient Air	LCW	39
10113864015	GWT-7	TO-14 Ambient Air	LCW	39
10113864016	GWT-6	TO-14 Ambient Air	LCW	39
10113864017	GWT-5	TO-14 Ambient Air	LCW	39
10113864018	GWT-4	TO-14 Ambient Air	LCW	39
10113864019	GWT-3	TO-14 Ambient Air	LCW	39
10113864020	GWT-2	TO-14 Ambient Air	LCW	39
10113864021	GWT-1	TO-14 Ambient Air	AEP	39

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ANALYTICAL RESULTS

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Sample: RD-1 **Lab ID: 10113864001** Collected: 09/28/09 01:14 Received: 10/02/09 09:04 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	ND	ppbv	1.2	2.36		10/07/09 19:02	71-43-2	
Bromomethane	ND	ppbv	1.2	2.36		10/07/09 19:02	74-83-9	
Carbon tetrachloride	ND	ppbv	1.2	2.36		10/07/09 19:02	56-23-5	
Chlorobenzene	ND	ppbv	1.2	2.36		10/07/09 19:02	108-90-7	
Chloroethane	ND	ppbv	1.2	2.36		10/07/09 19:02	75-00-3	
Chloroform	ND	ppbv	1.2	2.36		10/07/09 19:02	67-66-3	
Chloromethane	ND	ppbv	1.2	2.36		10/07/09 19:02	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	1.2	2.36		10/07/09 19:02	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	1.2	2.36		10/07/09 19:02	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	1.2	2.36		10/07/09 19:02	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	1.2	2.36		10/07/09 19:02	106-46-7	
Dichlorodifluoromethane	ND	ppbv	1.2	2.36		10/07/09 19:02	75-71-8	
1,1-Dichloroethane	ND	ppbv	1.2	2.36		10/07/09 19:02	75-34-3	
1,2-Dichloroethane	ND	ppbv	1.2	2.36		10/07/09 19:02	107-06-2	
1,1-Dichloroethene	ND	ppbv	1.2	2.36		10/07/09 19:02	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	1.2	2.36		10/07/09 19:02	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	1.2	2.36		10/07/09 19:02	156-60-5	
1,2-Dichloropropane	ND	ppbv	1.2	2.36		10/07/09 19:02	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	1.2	2.36		10/07/09 19:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	1.2	2.36		10/07/09 19:02	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	1.2	2.36		10/07/09 19:02	76-14-2	
Ethylbenzene	ND	ppbv	1.2	2.36		10/07/09 19:02	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	1.2	2.36		10/07/09 19:02	87-68-3	
Methylene Chloride	**381**	ppbv	1.2	2.36		10/07/09 19:02	75-09-2	E
Styrene	ND	ppbv	1.2	2.36		10/07/09 19:02	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	1.2	2.36		10/07/09 19:02	79-34-5	
Tetrachloroethene	ND	ppbv	1.2	2.36		10/07/09 19:02	127-18-4	
Toluene	**6.1**	ppbv	1.2	2.36		10/07/09 19:02	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	1.2	2.36		10/07/09 19:02	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	1.2	2.36		10/07/09 19:02	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	1.2	2.36		10/07/09 19:02	79-00-5	
Trichloroethene	ND	ppbv	1.2	2.36		10/07/09 19:02	79-01-6	
Trichlorofluoromethane	ND	ppbv	1.2	2.36		10/07/09 19:02	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	1.2	2.36		10/07/09 19:02	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	1.2	2.36		10/07/09 19:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	1.2	2.36		10/07/09 19:02	108-67-8	
Vinyl chloride	ND	ppbv	1.2	2.36		10/07/09 19:02	75-01-4	
m&p-Xylene	ND	ppbv	2.4	2.36		10/07/09 19:02	1330-20-7	
o-Xylene	ND	ppbv	1.2	2.36		10/07/09 19:02	95-47-6	

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ANALYTICAL RESULTS

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Sample: RD-2 **Lab ID: 10113864002** Collected: 09/28/09 02:11 Received: 10/02/09 09:04 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	ND	ppbv	1.2	2.36		10/07/09 19:33	71-43-2	
Bromomethane	ND	ppbv	1.2	2.36		10/07/09 19:33	74-83-9	
Carbon tetrachloride	ND	ppbv	1.2	2.36		10/07/09 19:33	56-23-5	
Chlorobenzene	ND	ppbv	1.2	2.36		10/07/09 19:33	108-90-7	
Chloroethane	ND	ppbv	1.2	2.36		10/07/09 19:33	75-00-3	
Chloroform	ND	ppbv	1.2	2.36		10/07/09 19:33	67-66-3	
Chloromethane	ND	ppbv	1.2	2.36		10/07/09 19:33	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	1.2	2.36		10/07/09 19:33	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	1.2	2.36		10/07/09 19:33	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	1.2	2.36		10/07/09 19:33	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	1.2	2.36		10/07/09 19:33	106-46-7	
Dichlorodifluoromethane	ND	ppbv	1.2	2.36		10/07/09 19:33	75-71-8	
1,1-Dichloroethane	ND	ppbv	1.2	2.36		10/07/09 19:33	75-34-3	
1,2-Dichloroethane	ND	ppbv	1.2	2.36		10/07/09 19:33	107-06-2	
1,1-Dichloroethene	ND	ppbv	1.2	2.36		10/07/09 19:33	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	1.2	2.36		10/07/09 19:33	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	1.2	2.36		10/07/09 19:33	156-60-5	
1,2-Dichloropropane	ND	ppbv	1.2	2.36		10/07/09 19:33	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	1.2	2.36		10/07/09 19:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	1.2	2.36		10/07/09 19:33	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	1.2	2.36		10/07/09 19:33	76-14-2	
Ethylbenzene	ND	ppbv	1.2	2.36		10/07/09 19:33	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	1.2	2.36		10/07/09 19:33	87-68-3	
Methylene Chloride	ND	ppbv	1.2	2.36		10/07/09 19:33	75-09-2	
Styrene	ND	ppbv	1.2	2.36		10/07/09 19:33	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	1.2	2.36		10/07/09 19:33	79-34-5	
Tetrachloroethene	ND	ppbv	1.2	2.36		10/07/09 19:33	127-18-4	
Toluene	**2.1**	ppbv	1.2	2.36		10/07/09 19:33	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	1.2	2.36		10/07/09 19:33	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	1.2	2.36		10/07/09 19:33	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	1.2	2.36		10/07/09 19:33	79-00-5	
Trichloroethene	ND	ppbv	1.2	2.36		10/07/09 19:33	79-01-6	
Trichlorofluoromethane	ND	ppbv	1.2	2.36		10/07/09 19:33	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	1.2	2.36		10/07/09 19:33	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	1.2	2.36		10/07/09 19:33	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	1.2	2.36		10/07/09 19:33	108-67-8	
Vinyl chloride	ND	ppbv	1.2	2.36		10/07/09 19:33	75-01-4	
m&p-Xylene	ND	ppbv	2.4	2.36		10/07/09 19:33	1330-20-7	
o-Xylene	ND	ppbv	1.2	2.36		10/07/09 19:33	95-47-6	

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ANALYTICAL RESULTS

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Sample: RD-4 **Lab ID: 10113864003** Collected: 09/28/09 03:33 Received: 10/02/09 09:04 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	ND	ppbv	1.1	2.16		10/07/09 20:03	71-43-2	
Bromomethane	ND	ppbv	1.1	2.16		10/07/09 20:03	74-83-9	
Carbon tetrachloride	ND	ppbv	1.1	2.16		10/07/09 20:03	56-23-5	
Chlorobenzene	ND	ppbv	1.1	2.16		10/07/09 20:03	108-90-7	
Chloroethane	ND	ppbv	1.1	2.16		10/07/09 20:03	75-00-3	
Chloroform	ND	ppbv	1.1	2.16		10/07/09 20:03	67-66-3	
Chloromethane	ND	ppbv	1.1	2.16		10/07/09 20:03	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	1.1	2.16		10/07/09 20:03	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	1.1	2.16		10/07/09 20:03	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	1.1	2.16		10/07/09 20:03	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	1.1	2.16		10/07/09 20:03	106-46-7	
Dichlorodifluoromethane	ND	ppbv	1.1	2.16		10/07/09 20:03	75-71-8	
1,1-Dichloroethane	**11.3**	ppbv	1.1	2.16		10/07/09 20:03	75-34-3	
1,2-Dichloroethane	ND	ppbv	1.1	2.16		10/07/09 20:03	107-06-2	
1,1-Dichloroethene	**2.2**	ppbv	1.1	2.16		10/07/09 20:03	75-35-4	
cis-1,2-Dichloroethene	**3.4**	ppbv	1.1	2.16		10/07/09 20:03	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	1.1	2.16		10/07/09 20:03	156-60-5	
1,2-Dichloropropane	ND	ppbv	1.1	2.16		10/07/09 20:03	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	1.1	2.16		10/07/09 20:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	1.1	2.16		10/07/09 20:03	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	1.1	2.16		10/07/09 20:03	76-14-2	
Ethylbenzene	ND	ppbv	1.1	2.16		10/07/09 20:03	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	1.1	2.16		10/07/09 20:03	87-68-3	
Methylene Chloride	ND	ppbv	1.1	2.16		10/07/09 20:03	75-09-2	
Styrene	ND	ppbv	1.1	2.16		10/07/09 20:03	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	1.1	2.16		10/07/09 20:03	79-34-5	
Tetrachloroethene	ND	ppbv	1.1	2.16		10/07/09 20:03	127-18-4	
Toluene	**1.6**	ppbv	1.1	2.16		10/07/09 20:03	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	1.1	2.16		10/07/09 20:03	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	1.1	2.16		10/07/09 20:03	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	1.1	2.16		10/07/09 20:03	79-00-5	
Trichloroethene	ND	ppbv	1.1	2.16		10/07/09 20:03	79-01-6	
Trichlorofluoromethane	ND	ppbv	1.1	2.16		10/07/09 20:03	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	1.1	2.16		10/07/09 20:03	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	1.1	2.16		10/07/09 20:03	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	1.1	2.16		10/07/09 20:03	108-67-8	
Vinyl chloride	ND	ppbv	1.1	2.16		10/07/09 20:03	75-01-4	
m&p-Xylene	ND	ppbv	2.2	2.16		10/07/09 20:03	1330-20-7	
o-Xylene	ND	ppbv	1.1	2.16		10/07/09 20:03	95-47-6	

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ANALYTICAL RESULTS

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Sample: RD-3 **Lab ID: 10113864004** Collected: 09/28/09 04:20 Received: 10/02/09 09:04 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	ND	ppbv	0.96	1.93		10/07/09 20:34	71-43-2	
Bromomethane	ND	ppbv	0.96	1.93		10/07/09 20:34	74-83-9	
Carbon tetrachloride	ND	ppbv	0.96	1.93		10/07/09 20:34	56-23-5	
Chlorobenzene	ND	ppbv	0.96	1.93		10/07/09 20:34	108-90-7	
Chloroethane	ND	ppbv	0.96	1.93		10/07/09 20:34	75-00-3	
Chloroform	ND	ppbv	0.96	1.93		10/07/09 20:34	67-66-3	
Chloromethane	ND	ppbv	0.96	1.93		10/07/09 20:34	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	0.96	1.93		10/07/09 20:34	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	0.96	1.93		10/07/09 20:34	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	0.96	1.93		10/07/09 20:34	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	0.96	1.93		10/07/09 20:34	106-46-7	
Dichlorodifluoromethane	ND	ppbv	0.96	1.93		10/07/09 20:34	75-71-8	
1,1-Dichloroethane	ND	ppbv	0.96	1.93		10/07/09 20:34	75-34-3	
1,2-Dichloroethane	ND	ppbv	0.96	1.93		10/07/09 20:34	107-06-2	
1,1-Dichloroethene	ND	ppbv	0.96	1.93		10/07/09 20:34	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	0.96	1.93		10/07/09 20:34	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	0.96	1.93		10/07/09 20:34	156-60-5	
1,2-Dichloropropane	ND	ppbv	0.96	1.93		10/07/09 20:34	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	0.96	1.93		10/07/09 20:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	0.96	1.93		10/07/09 20:34	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	0.96	1.93		10/07/09 20:34	76-14-2	
Ethylbenzene	ND	ppbv	0.96	1.93		10/07/09 20:34	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	0.96	1.93		10/07/09 20:34	87-68-3	
Methylene Chloride	ND	ppbv	0.96	1.93		10/07/09 20:34	75-09-2	
Styrene	ND	ppbv	0.96	1.93		10/07/09 20:34	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	0.96	1.93		10/07/09 20:34	79-34-5	
Tetrachloroethene	ND	ppbv	0.96	1.93		10/07/09 20:34	127-18-4	
Toluene	**1.6**	ppbv	0.96	1.93		10/07/09 20:34	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	0.96	1.93		10/07/09 20:34	120-82-1	
1,1,1-Trichloroethane	**9.8**	ppbv	0.96	1.93		10/07/09 20:34	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	0.96	1.93		10/07/09 20:34	79-00-5	
Trichloroethene	**20.9**	ppbv	0.96	1.93		10/07/09 20:34	79-01-6	
Trichlorofluoromethane	ND	ppbv	0.96	1.93		10/07/09 20:34	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	0.96	1.93		10/07/09 20:34	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	0.96	1.93		10/07/09 20:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	0.96	1.93		10/07/09 20:34	108-67-8	
Vinyl chloride	ND	ppbv	0.96	1.93		10/07/09 20:34	75-01-4	
m&p-Xylene	ND	ppbv	1.9	1.93		10/07/09 20:34	1330-20-7	
o-Xylene	ND	ppbv	0.96	1.93		10/07/09 20:34	95-47-6	

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ANALYTICAL RESULTS

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Sample: PL-1 **Lab ID: 10113864005** Collected: 09/28/09 05:20 Received: 10/02/09 09:04 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	**15.9**	ppbv	1.0	2.08		10/07/09 21:04	71-43-2	
Bromomethane	ND	ppbv	1.0	2.08		10/07/09 21:04	74-83-9	
Carbon tetrachloride	ND	ppbv	1.0	2.08		10/07/09 21:04	56-23-5	
Chlorobenzene	ND	ppbv	1.0	2.08		10/07/09 21:04	108-90-7	
Chloroethane	ND	ppbv	1.0	2.08		10/07/09 21:04	75-00-3	
Chloroform	ND	ppbv	1.0	2.08		10/07/09 21:04	67-66-3	
Chloromethane	ND	ppbv	1.0	2.08		10/07/09 21:04	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	1.0	2.08		10/07/09 21:04	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	1.0	2.08		10/07/09 21:04	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	1.0	2.08		10/07/09 21:04	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	1.0	2.08		10/07/09 21:04	106-46-7	
Dichlorodifluoromethane	ND	ppbv	1.0	2.08		10/07/09 21:04	75-71-8	
1,1-Dichloroethane	**10.8**	ppbv	1.0	2.08		10/07/09 21:04	75-34-3	
1,2-Dichloroethane	ND	ppbv	1.0	2.08		10/07/09 21:04	107-06-2	
1,1-Dichloroethene	**119**	ppbv	10.4	20.8		10/08/09 11:46	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	1.0	2.08		10/07/09 21:04	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	1.0	2.08		10/07/09 21:04	156-60-5	
1,2-Dichloropropane	ND	ppbv	1.0	2.08		10/07/09 21:04	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	1.0	2.08		10/07/09 21:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	1.0	2.08		10/07/09 21:04	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	1.0	2.08		10/07/09 21:04	76-14-2	
Ethylbenzene	**2.5**	ppbv	1.0	2.08		10/07/09 21:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	1.0	2.08		10/07/09 21:04	87-68-3	
Methylene Chloride	ND	ppbv	1.0	2.08		10/07/09 21:04	75-09-2	
Styrene	ND	ppbv	1.0	2.08		10/07/09 21:04	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	1.0	2.08		10/07/09 21:04	79-34-5	
Tetrachloroethene	ND	ppbv	1.0	2.08		10/07/09 21:04	127-18-4	
Toluene	**1.3**	ppbv	1.0	2.08		10/07/09 21:04	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	1.0	2.08		10/07/09 21:04	120-82-1	
1,1,1-Trichloroethane	**530**	ppbv	10.4	20.8		10/08/09 11:46	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	1.0	2.08		10/07/09 21:04	79-00-5	
Trichloroethene	**31.8**	ppbv	1.0	2.08		10/07/09 21:04	79-01-6	
Trichlorofluoromethane	ND	ppbv	1.0	2.08		10/07/09 21:04	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	1.0	2.08		10/07/09 21:04	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	1.0	2.08		10/07/09 21:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	1.0	2.08		10/07/09 21:04	108-67-8	
Vinyl chloride	ND	ppbv	1.0	2.08		10/07/09 21:04	75-01-4	
m&p-Xylene	ND	ppbv	2.1	2.08		10/07/09 21:04	1330-20-7	
o-Xylene	ND	ppbv	1.0	2.08		10/07/09 21:04	95-47-6	

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ANALYTICAL RESULTS

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Sample: PL-4 **Lab ID: 10113864006** Collected: 09/29/09 08:50 Received: 10/02/09 09:04 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	ND	ppbv	1450	2892.8		10/09/09 01:13	71-43-2	
Bromomethane	ND	ppbv	1450	2892.8		10/09/09 01:13	74-83-9	
Carbon tetrachloride	ND	ppbv	1450	2892.8		10/09/09 01:13	56-23-5	
Chlorobenzene	ND	ppbv	1450	2892.8		10/09/09 01:13	108-90-7	
Chloroethane	ND	ppbv	1450	2892.8		10/09/09 01:13	75-00-3	
Chloroform	ND	ppbv	1450	2892.8		10/09/09 01:13	67-66-3	
Chloromethane	ND	ppbv	1450	2892.8		10/09/09 01:13	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	1450	2892.8		10/09/09 01:13	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	1450	2892.8		10/09/09 01:13	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	1450	2892.8		10/09/09 01:13	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	1450	2892.8		10/09/09 01:13	106-46-7	
Dichlorodifluoromethane	ND	ppbv	1450	2892.8		10/09/09 01:13	75-71-8	
1,1-Dichloroethane	**68400**	ppbv	1450	2892.8		10/09/09 01:13	75-34-3	
1,2-Dichloroethane	ND	ppbv	1450	2892.8		10/09/09 01:13	107-06-2	
1,1-Dichloroethene	**753000**	ppbv	46300	92569.6		10/09/09 10:56	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	1450	2892.8		10/09/09 01:13	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	1450	2892.8		10/09/09 01:13	156-60-5	
1,2-Dichloropropane	ND	ppbv	1450	2892.8		10/09/09 01:13	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	1450	2892.8		10/09/09 01:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	1450	2892.8		10/09/09 01:13	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	1450	2892.8		10/09/09 01:13	76-14-2	
Ethylbenzene	ND	ppbv	1450	2892.8		10/09/09 01:13	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	1450	2892.8		10/09/09 01:13	87-68-3	
Methylene Chloride	ND	ppbv	1450	2892.8		10/09/09 01:13	75-09-2	
Styrene	ND	ppbv	1450	2892.8		10/09/09 01:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	1450	2892.8		10/09/09 01:13	79-34-5	
Tetrachloroethene	ND	ppbv	1450	2892.8		10/09/09 01:13	127-18-4	
Toluene	ND	ppbv	1450	2892.8		10/09/09 01:13	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	1450	2892.8		10/09/09 01:13	120-82-1	
1,1,1-Trichloroethane	**4020000**	ppbv	46300	92569.6		10/09/09 10:56	71-55-6	E
1,1,2-Trichloroethane	ND	ppbv	1450	2892.8		10/09/09 01:13	79-00-5	
Trichloroethene	ND	ppbv	1450	2892.8		10/09/09 01:13	79-01-6	
Trichlorofluoromethane	ND	ppbv	1450	2892.8		10/09/09 01:13	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	1450	2892.8		10/09/09 01:13	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	1450	2892.8		10/09/09 01:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	1450	2892.8		10/09/09 01:13	108-67-8	
Vinyl chloride	ND	ppbv	1450	2892.8		10/09/09 01:13	75-01-4	
m&p-Xylene	ND	ppbv	2890	2892.8		10/09/09 01:13	1330-20-7	
o-Xylene	ND	ppbv	1450	2892.8		10/09/09 01:13	95-47-6	

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ANALYTICAL RESULTS

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Sample: PL-3 **Lab ID: 10113864007** Collected: 09/29/09 09:40 Received: 10/02/09 09:04 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	ND	ppbv	20.8	41.6		10/09/09 09:29	71-43-2	
Bromomethane	ND	ppbv	20.8	41.6		10/09/09 09:29	74-83-9	
Carbon tetrachloride	ND	ppbv	20.8	41.6		10/09/09 09:29	56-23-5	
Chlorobenzene	ND	ppbv	20.8	41.6		10/09/09 09:29	108-90-7	
Chloroethane	ND	ppbv	20.8	41.6		10/09/09 09:29	75-00-3	
Chloroform	ND	ppbv	20.8	41.6		10/09/09 09:29	67-66-3	
Chloromethane	ND	ppbv	20.8	41.6		10/09/09 09:29	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	20.8	41.6		10/09/09 09:29	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	20.8	41.6		10/09/09 09:29	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	20.8	41.6		10/09/09 09:29	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	20.8	41.6		10/09/09 09:29	106-46-7	
Dichlorodifluoromethane	ND	ppbv	20.8	41.6		10/09/09 09:29	75-71-8	
1,1-Dichloroethane	**542**	ppbv	20.8	41.6		10/09/09 09:29	75-34-3	
1,2-Dichloroethane	ND	ppbv	20.8	41.6		10/09/09 09:29	107-06-2	
1,1-Dichloroethene	**293**	ppbv	20.8	41.6		10/09/09 09:29	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	20.8	41.6		10/09/09 09:29	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	20.8	41.6		10/09/09 09:29	156-60-5	
1,2-Dichloropropane	ND	ppbv	20.8	41.6		10/09/09 09:29	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	20.8	41.6		10/09/09 09:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	20.8	41.6		10/09/09 09:29	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	20.8	41.6		10/09/09 09:29	76-14-2	
Ethylbenzene	ND	ppbv	20.8	41.6		10/09/09 09:29	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	20.8	41.6		10/09/09 09:29	87-68-3	
Methylene Chloride	**242**	ppbv	20.8	41.6		10/09/09 09:29	75-09-2	
Styrene	ND	ppbv	20.8	41.6		10/09/09 09:29	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	20.8	41.6		10/09/09 09:29	79-34-5	
Tetrachloroethene	ND	ppbv	20.8	41.6		10/09/09 09:29	127-18-4	
Toluene	ND	ppbv	20.8	41.6		10/09/09 09:29	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	20.8	41.6		10/09/09 09:29	120-82-1	
1,1,1-Trichloroethane	**1680**	ppbv	107	214.4		10/09/09 12:24	71-55-6	A3
1,1,2-Trichloroethane	ND	ppbv	20.8	41.6		10/09/09 09:29	79-00-5	
Trichloroethene	ND	ppbv	20.8	41.6		10/09/09 09:29	79-01-6	
Trichlorofluoromethane	ND	ppbv	20.8	41.6		10/09/09 09:29	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	20.8	41.6		10/09/09 09:29	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	20.8	41.6		10/09/09 09:29	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	20.8	41.6		10/09/09 09:29	108-67-8	
Vinyl chloride	ND	ppbv	20.8	41.6		10/09/09 09:29	75-01-4	
m&p-Xylene	ND	ppbv	41.6	41.6		10/09/09 09:29	1330-20-7	
o-Xylene	ND	ppbv	20.8	41.6		10/09/09 09:29	95-47-6	

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ANALYTICAL RESULTS

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Sample: PL-2 **Lab ID: 10113864008** Collected: 09/29/09 10:21 Received: 10/02/09 09:04 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	**85.7**	ppbv	22.6	45.2		10/08/09 23:11	71-43-2	
Bromomethane	ND	ppbv	22.6	45.2		10/08/09 23:11	74-83-9	
Carbon tetrachloride	ND	ppbv	22.6	45.2		10/08/09 23:11	56-23-5	
Chlorobenzene	ND	ppbv	22.6	45.2		10/08/09 23:11	108-90-7	
Chloroethane	**113**	ppbv	22.6	45.2		10/08/09 23:11	75-00-3	
Chloroform	ND	ppbv	22.6	45.2		10/08/09 23:11	67-66-3	
Chloromethane	ND	ppbv	22.6	45.2		10/08/09 23:11	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	22.6	45.2		10/08/09 23:11	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	22.6	45.2		10/08/09 23:11	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	22.6	45.2		10/08/09 23:11	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	22.6	45.2		10/08/09 23:11	106-46-7	
Dichlorodifluoromethane	ND	ppbv	22.6	45.2		10/08/09 23:11	75-71-8	
1,1-Dichloroethane	**33600**	ppbv	362	723.2		10/09/09 10:27	75-34-3	A3,E
1,2-Dichloroethane	ND	ppbv	22.6	45.2		10/08/09 23:11	107-06-2	
1,1-Dichloroethene	**10500**	ppbv	362	723.2		10/09/09 10:27	75-35-4	A3
cis-1,2-Dichloroethene	ND	ppbv	22.6	45.2		10/08/09 23:11	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	22.6	45.2		10/08/09 23:11	156-60-5	
1,2-Dichloropropane	ND	ppbv	22.6	45.2		10/08/09 23:11	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	22.6	45.2		10/08/09 23:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	22.6	45.2		10/08/09 23:11	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	22.6	45.2		10/08/09 23:11	76-14-2	
Ethylbenzene	ND	ppbv	22.6	45.2		10/08/09 23:11	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	22.6	45.2		10/08/09 23:11	87-68-3	
Methylene Chloride	ND	ppbv	22.6	45.2		10/08/09 23:11	75-09-2	
Styrene	ND	ppbv	22.6	45.2		10/08/09 23:11	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	22.6	45.2		10/08/09 23:11	79-34-5	
Tetrachloroethene	ND	ppbv	22.6	45.2		10/08/09 23:11	127-18-4	
Toluene	ND	ppbv	22.6	45.2		10/08/09 23:11	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	22.6	45.2		10/08/09 23:11	120-82-1	
1,1,1-Trichloroethane	**20100**	ppbv	362	723.2		10/09/09 10:27	71-55-6	A3
1,1,2-Trichloroethane	ND	ppbv	22.6	45.2		10/08/09 23:11	79-00-5	
Trichloroethene	ND	ppbv	22.6	45.2		10/08/09 23:11	79-01-6	
Trichlorofluoromethane	ND	ppbv	22.6	45.2		10/08/09 23:11	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	22.6	45.2		10/08/09 23:11	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	22.6	45.2		10/08/09 23:11	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	22.6	45.2		10/08/09 23:11	108-67-8	
Vinyl chloride	ND	ppbv	22.6	45.2		10/08/09 23:11	75-01-4	
m&p-Xylene	ND	ppbv	45.2	45.2		10/08/09 23:11	1330-20-7	
o-Xylene	ND	ppbv	22.6	45.2		10/08/09 23:11	95-47-6	

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ANALYTICAL RESULTS

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Sample: GWT-13 **Lab ID: 10113864009** Collected: 09/29/09 11:21 Received: 10/02/09 09:04 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	ND	ppbv	1.1	2.16		10/08/09 23:42	71-43-2	
Bromomethane	ND	ppbv	1.1	2.16		10/08/09 23:42	74-83-9	
Carbon tetrachloride	ND	ppbv	1.1	2.16		10/08/09 23:42	56-23-5	
Chlorobenzene	ND	ppbv	1.1	2.16		10/08/09 23:42	108-90-7	
Chloroethane	ND	ppbv	1.1	2.16		10/08/09 23:42	75-00-3	
Chloroform	ND	ppbv	1.1	2.16		10/08/09 23:42	67-66-3	
Chloromethane	ND	ppbv	1.1	2.16		10/08/09 23:42	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	1.1	2.16		10/08/09 23:42	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	1.1	2.16		10/08/09 23:42	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	1.1	2.16		10/08/09 23:42	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	1.1	2.16		10/08/09 23:42	106-46-7	
Dichlorodifluoromethane	ND	ppbv	1.1	2.16		10/08/09 23:42	75-71-8	
1,1-Dichloroethane	**59.9**	ppbv	1.1	2.16		10/08/09 23:42	75-34-3	
1,2-Dichloroethane	ND	ppbv	1.1	2.16		10/08/09 23:42	107-06-2	
1,1-Dichloroethene	**12.9**	ppbv	1.1	2.16		10/08/09 23:42	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	1.1	2.16		10/08/09 23:42	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	1.1	2.16		10/08/09 23:42	156-60-5	
1,2-Dichloropropane	ND	ppbv	1.1	2.16		10/08/09 23:42	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	1.1	2.16		10/08/09 23:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	1.1	2.16		10/08/09 23:42	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	1.1	2.16		10/08/09 23:42	76-14-2	
Ethylbenzene	ND	ppbv	1.1	2.16		10/08/09 23:42	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	1.1	2.16		10/08/09 23:42	87-68-3	
Methylene Chloride	**111**	ppbv	1.1	2.16		10/08/09 23:42	75-09-2	E
Styrene	ND	ppbv	1.1	2.16		10/08/09 23:42	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	1.1	2.16		10/08/09 23:42	79-34-5	
Tetrachloroethene	ND	ppbv	1.1	2.16		10/08/09 23:42	127-18-4	
Toluene	**3.1**	ppbv	1.1	2.16		10/08/09 23:42	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	1.1	2.16		10/08/09 23:42	120-82-1	
1,1,1-Trichloroethane	**48.3**	ppbv	1.1	2.16		10/08/09 23:42	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	1.1	2.16		10/08/09 23:42	79-00-5	
Trichloroethene	ND	ppbv	1.1	2.16		10/08/09 23:42	79-01-6	
Trichlorofluoromethane	ND	ppbv	1.1	2.16		10/08/09 23:42	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	1.1	2.16		10/08/09 23:42	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	1.1	2.16		10/08/09 23:42	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	1.1	2.16		10/08/09 23:42	108-67-8	
Vinyl chloride	ND	ppbv	1.1	2.16		10/08/09 23:42	75-01-4	
m&p-Xylene	ND	ppbv	2.2	2.16		10/08/09 23:42	1330-20-7	
o-Xylene	ND	ppbv	1.1	2.16		10/08/09 23:42	95-47-6	

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ANALYTICAL RESULTS

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Sample: GWT-12 **Lab ID: 10113864010** Collected: 09/29/09 12:15 Received: 10/02/09 09:04 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	ND	ppbv	1.2	2.36		10/09/09 00:12	71-43-2	
Bromomethane	ND	ppbv	1.2	2.36		10/09/09 00:12	74-83-9	
Carbon tetrachloride	ND	ppbv	1.2	2.36		10/09/09 00:12	56-23-5	
Chlorobenzene	ND	ppbv	1.2	2.36		10/09/09 00:12	108-90-7	
Chloroethane	ND	ppbv	1.2	2.36		10/09/09 00:12	75-00-3	
Chloroform	ND	ppbv	1.2	2.36		10/09/09 00:12	67-66-3	
Chloromethane	ND	ppbv	1.2	2.36		10/09/09 00:12	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	1.2	2.36		10/09/09 00:12	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	1.2	2.36		10/09/09 00:12	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	1.2	2.36		10/09/09 00:12	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	1.2	2.36		10/09/09 00:12	106-46-7	
Dichlorodifluoromethane	ND	ppbv	1.2	2.36		10/09/09 00:12	75-71-8	
1,1-Dichloroethane	**50.4**	ppbv	1.2	2.36		10/09/09 00:12	75-34-3	
1,2-Dichloroethane	ND	ppbv	1.2	2.36		10/09/09 00:12	107-06-2	
1,1-Dichloroethene	**12.7**	ppbv	1.2	2.36		10/09/09 00:12	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	1.2	2.36		10/09/09 00:12	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	1.2	2.36		10/09/09 00:12	156-60-5	
1,2-Dichloropropane	ND	ppbv	1.2	2.36		10/09/09 00:12	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	1.2	2.36		10/09/09 00:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	1.2	2.36		10/09/09 00:12	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	1.2	2.36		10/09/09 00:12	76-14-2	
Ethylbenzene	ND	ppbv	1.2	2.36		10/09/09 00:12	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	1.2	2.36		10/09/09 00:12	87-68-3	
Methylene Chloride	ND	ppbv	1.2	2.36		10/09/09 00:12	75-09-2	
Styrene	ND	ppbv	1.2	2.36		10/09/09 00:12	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	1.2	2.36		10/09/09 00:12	79-34-5	
Tetrachloroethene	ND	ppbv	1.2	2.36		10/09/09 00:12	127-18-4	
Toluene	**3.0**	ppbv	1.2	2.36		10/09/09 00:12	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	1.2	2.36		10/09/09 00:12	120-82-1	
1,1,1-Trichloroethane	**37.1**	ppbv	1.2	2.36		10/09/09 00:12	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	1.2	2.36		10/09/09 00:12	79-00-5	
Trichloroethene	ND	ppbv	1.2	2.36		10/09/09 00:12	79-01-6	
Trichlorofluoromethane	ND	ppbv	1.2	2.36		10/09/09 00:12	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	1.2	2.36		10/09/09 00:12	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	1.2	2.36		10/09/09 00:12	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	1.2	2.36		10/09/09 00:12	108-67-8	
Vinyl chloride	ND	ppbv	1.2	2.36		10/09/09 00:12	75-01-4	
m&p-Xylene	ND	ppbv	2.4	2.36		10/09/09 00:12	1330-20-7	
o-Xylene	ND	ppbv	1.2	2.36		10/09/09 00:12	95-47-6	

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ANALYTICAL RESULTS

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Sample: GWT-11 **Lab ID: 10113864011** Collected: 09/29/09 02:25 Received: 10/02/09 09:04 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	ND	ppbv	1.2	2.36		10/09/09 00:44	71-43-2	
Bromomethane	ND	ppbv	1.2	2.36		10/09/09 00:44	74-83-9	
Carbon tetrachloride	ND	ppbv	1.2	2.36		10/09/09 00:44	56-23-5	
Chlorobenzene	ND	ppbv	1.2	2.36		10/09/09 00:44	108-90-7	
Chloroethane	ND	ppbv	1.2	2.36		10/09/09 00:44	75-00-3	
Chloroform	ND	ppbv	1.2	2.36		10/09/09 00:44	67-66-3	
Chloromethane	ND	ppbv	1.2	2.36		10/09/09 00:44	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	1.2	2.36		10/09/09 00:44	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	1.2	2.36		10/09/09 00:44	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	1.2	2.36		10/09/09 00:44	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	1.2	2.36		10/09/09 00:44	106-46-7	
Dichlorodifluoromethane	ND	ppbv	1.2	2.36		10/09/09 00:44	75-71-8	
1,1-Dichloroethane	**1.7**	ppbv	1.2	2.36		10/09/09 00:44	75-34-3	
1,2-Dichloroethane	ND	ppbv	1.2	2.36		10/09/09 00:44	107-06-2	
1,1-Dichloroethene	**3.1**	ppbv	1.2	2.36		10/09/09 00:44	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	1.2	2.36		10/09/09 00:44	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	1.2	2.36		10/09/09 00:44	156-60-5	
1,2-Dichloropropane	ND	ppbv	1.2	2.36		10/09/09 00:44	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	1.2	2.36		10/09/09 00:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	1.2	2.36		10/09/09 00:44	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	1.2	2.36		10/09/09 00:44	76-14-2	
Ethylbenzene	ND	ppbv	1.2	2.36		10/09/09 00:44	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	1.2	2.36		10/09/09 00:44	87-68-3	
Methylene Chloride	**6.8**	ppbv	1.2	2.36		10/09/09 00:44	75-09-2	
Styrene	ND	ppbv	1.2	2.36		10/09/09 00:44	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	1.2	2.36		10/09/09 00:44	79-34-5	
Tetrachloroethene	ND	ppbv	1.2	2.36		10/09/09 00:44	127-18-4	
Toluene	**3.2**	ppbv	1.2	2.36		10/09/09 00:44	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	1.2	2.36		10/09/09 00:44	120-82-1	
1,1,1-Trichloroethane	**32.9**	ppbv	1.2	2.36		10/09/09 00:44	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	1.2	2.36		10/09/09 00:44	79-00-5	
Trichloroethene	ND	ppbv	1.2	2.36		10/09/09 00:44	79-01-6	
Trichlorofluoromethane	ND	ppbv	1.2	2.36		10/09/09 00:44	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	1.2	2.36		10/09/09 00:44	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	1.2	2.36		10/09/09 00:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	1.2	2.36		10/09/09 00:44	108-67-8	
Vinyl chloride	ND	ppbv	1.2	2.36		10/09/09 00:44	75-01-4	
m&p-Xylene	ND	ppbv	2.4	2.36		10/09/09 00:44	1330-20-7	
o-Xylene	ND	ppbv	1.2	2.36		10/09/09 00:44	95-47-6	

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ANALYTICAL RESULTS

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Sample: GWT-10 **Lab ID: 10113864012** Collected: 09/29/09 14:58 Received: 10/02/09 09:04 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	**0.84**	ppbv	0.84	1.68		10/08/09 00:32	71-43-2	
Bromomethane	ND	ppbv	0.84	1.68		10/08/09 00:32	74-83-9	
Carbon tetrachloride	ND	ppbv	0.84	1.68		10/08/09 00:32	56-23-5	
Chlorobenzene	ND	ppbv	0.84	1.68		10/08/09 00:32	108-90-7	
Chloroethane	ND	ppbv	0.84	1.68		10/08/09 00:32	75-00-3	
Chloroform	ND	ppbv	0.84	1.68		10/08/09 00:32	67-66-3	
Chloromethane	ND	ppbv	0.84	1.68		10/08/09 00:32	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	0.84	1.68		10/08/09 00:32	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	0.84	1.68		10/08/09 00:32	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	0.84	1.68		10/08/09 00:32	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	0.84	1.68		10/08/09 00:32	106-46-7	
Dichlorodifluoromethane	ND	ppbv	0.84	1.68		10/08/09 00:32	75-71-8	
1,1-Dichloroethane	ND	ppbv	0.84	1.68		10/08/09 00:32	75-34-3	
1,2-Dichloroethane	ND	ppbv	0.84	1.68		10/08/09 00:32	107-06-2	
1,1-Dichloroethene	**1.1**	ppbv	0.84	1.68		10/08/09 00:32	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	0.84	1.68		10/08/09 00:32	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	0.84	1.68		10/08/09 00:32	156-60-5	
1,2-Dichloropropane	ND	ppbv	0.84	1.68		10/08/09 00:32	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	0.84	1.68		10/08/09 00:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	0.84	1.68		10/08/09 00:32	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	0.84	1.68		10/08/09 00:32	76-14-2	
Ethylbenzene	ND	ppbv	0.84	1.68		10/08/09 00:32	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	0.84	1.68		10/08/09 00:32	87-68-3	
Methylene Chloride	**117**	ppbv	0.84	1.68		10/08/09 00:32	75-09-2	E
Styrene	ND	ppbv	0.84	1.68		10/08/09 00:32	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	0.84	1.68		10/08/09 00:32	79-34-5	
Tetrachloroethene	ND	ppbv	0.84	1.68		10/08/09 00:32	127-18-4	
Toluene	**4.6**	ppbv	0.84	1.68		10/08/09 00:32	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	0.84	1.68		10/08/09 00:32	120-82-1	
1,1,1-Trichloroethane	**6.5**	ppbv	0.84	1.68		10/08/09 00:32	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	0.84	1.68		10/08/09 00:32	79-00-5	
Trichloroethene	ND	ppbv	0.84	1.68		10/08/09 00:32	79-01-6	
Trichlorofluoromethane	ND	ppbv	0.84	1.68		10/08/09 00:32	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	0.84	1.68		10/08/09 00:32	76-13-1	
1,2,4-Trimethylbenzene	**1.9**	ppbv	0.84	1.68		10/08/09 00:32	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	0.84	1.68		10/08/09 00:32	108-67-8	
Vinyl chloride	ND	ppbv	0.84	1.68		10/08/09 00:32	75-01-4	
m&p-Xylene	**4.7**	ppbv	1.7	1.68		10/08/09 00:32	1330-20-7	
o-Xylene	**1.7**	ppbv	0.84	1.68		10/08/09 00:32	95-47-6	

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ANALYTICAL RESULTS

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Sample: GWT-9 **Lab ID: 10113864013** Collected: 09/29/09 04:01 Received: 10/02/09 09:04 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	ND	ppbv	1.0	2		10/09/09 01:45	71-43-2	
Bromomethane	ND	ppbv	1.0	2		10/09/09 01:45	74-83-9	
Carbon tetrachloride	ND	ppbv	1.0	2		10/09/09 01:45	56-23-5	
Chlorobenzene	ND	ppbv	1.0	2		10/09/09 01:45	108-90-7	
Chloroethane	ND	ppbv	1.0	2		10/09/09 01:45	75-00-3	
Chloroform	ND	ppbv	1.0	2		10/09/09 01:45	67-66-3	
Chloromethane	ND	ppbv	1.0	2		10/09/09 01:45	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	1.0	2		10/09/09 01:45	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	1.0	2		10/09/09 01:45	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	1.0	2		10/09/09 01:45	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	1.0	2		10/09/09 01:45	106-46-7	
Dichlorodifluoromethane	ND	ppbv	1.0	2		10/09/09 01:45	75-71-8	
1,1-Dichloroethane	**3.5**	ppbv	1.0	2		10/09/09 01:45	75-34-3	
1,2-Dichloroethane	ND	ppbv	1.0	2		10/09/09 01:45	107-06-2	
1,1-Dichloroethene	**13.8**	ppbv	1.0	2		10/09/09 01:45	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	1.0	2		10/09/09 01:45	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	1.0	2		10/09/09 01:45	156-60-5	
1,2-Dichloropropane	ND	ppbv	1.0	2		10/09/09 01:45	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	1.0	2		10/09/09 01:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	1.0	2		10/09/09 01:45	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	1.0	2		10/09/09 01:45	76-14-2	
Ethylbenzene	ND	ppbv	1.0	2		10/09/09 01:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	1.0	2		10/09/09 01:45	87-68-3	
Methylene Chloride	**553**	ppbv	10.0	20		10/09/09 11:26	75-09-2	
Styrene	ND	ppbv	1.0	2		10/09/09 01:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	1.0	2		10/09/09 01:45	79-34-5	
Tetrachloroethene	**7.5**	ppbv	1.0	2		10/09/09 01:45	127-18-4	
Toluene	**7.2**	ppbv	1.0	2		10/09/09 01:45	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	1.0	2		10/09/09 01:45	120-82-1	
1,1,1-Trichloroethane	**284**	ppbv	10.0	20		10/09/09 11:26	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	1.0	2		10/09/09 01:45	79-00-5	
Trichloroethene	**2.8**	ppbv	1.0	2		10/09/09 01:45	79-01-6	
Trichlorofluoromethane	ND	ppbv	1.0	2		10/09/09 01:45	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	1.0	2		10/09/09 01:45	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	1.0	2		10/09/09 01:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	1.0	2		10/09/09 01:45	108-67-8	
Vinyl chloride	ND	ppbv	1.0	2		10/09/09 01:45	75-01-4	
m&p-Xylene	ND	ppbv	2.0	2		10/09/09 01:45	1330-20-7	
o-Xylene	ND	ppbv	1.0	2		10/09/09 01:45	95-47-6	

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ANALYTICAL RESULTS

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Sample: GWT-8 **Lab ID: 10113864014** Collected: 09/29/09 04:52 Received: 10/02/09 09:04 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	**2.6**	ppbv	1.2	2.47		10/08/09 00:39	71-43-2	
Bromomethane	ND	ppbv	1.2	2.47		10/08/09 00:39	74-83-9	
Carbon tetrachloride	ND	ppbv	1.2	2.47		10/08/09 00:39	56-23-5	
Chlorobenzene	ND	ppbv	1.2	2.47		10/08/09 00:39	108-90-7	
Chloroethane	ND	ppbv	1.2	2.47		10/08/09 00:39	75-00-3	
Chloroform	ND	ppbv	1.2	2.47		10/08/09 00:39	67-66-3	
Chloromethane	ND	ppbv	1.2	2.47		10/08/09 00:39	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	1.2	2.47		10/08/09 00:39	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	1.2	2.47		10/08/09 00:39	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	1.2	2.47		10/08/09 00:39	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	1.2	2.47		10/08/09 00:39	106-46-7	
Dichlorodifluoromethane	ND	ppbv	1.2	2.47		10/08/09 00:39	75-71-8	
1,1-Dichloroethane	**2.0**	ppbv	1.2	2.47		10/08/09 00:39	75-34-3	
1,2-Dichloroethane	ND	ppbv	1.2	2.47		10/08/09 00:39	107-06-2	
1,1-Dichloroethene	**2.4**	ppbv	1.2	2.47		10/08/09 00:39	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	1.2	2.47		10/08/09 00:39	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	1.2	2.47		10/08/09 00:39	156-60-5	
1,2-Dichloropropane	ND	ppbv	1.2	2.47		10/08/09 00:39	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	1.2	2.47		10/08/09 00:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	1.2	2.47		10/08/09 00:39	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	1.2	2.47		10/08/09 00:39	76-14-2	
Ethylbenzene	ND	ppbv	1.2	2.47		10/08/09 00:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	1.2	2.47		10/08/09 00:39	87-68-3	
Methylene Chloride	**56.8**	ppbv	1.2	2.47		10/08/09 00:39	75-09-2	
Styrene	ND	ppbv	1.2	2.47		10/08/09 00:39	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	1.2	2.47		10/08/09 00:39	79-34-5	
Tetrachloroethene	**4.3**	ppbv	1.2	2.47		10/08/09 00:39	127-18-4	
Toluene	**4.5**	ppbv	1.2	2.47		10/08/09 00:39	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	1.2	2.47		10/08/09 00:39	120-82-1	
1,1,1-Trichloroethane	**16.4**	ppbv	1.2	2.47		10/08/09 00:39	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	1.2	2.47		10/08/09 00:39	79-00-5	
Trichloroethene	ND	ppbv	1.2	2.47		10/08/09 00:39	79-01-6	
Trichlorofluoromethane	ND	ppbv	1.2	2.47		10/08/09 00:39	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	1.2	2.47		10/08/09 00:39	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	1.2	2.47		10/08/09 00:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	1.2	2.47		10/08/09 00:39	108-67-8	
Vinyl chloride	ND	ppbv	1.2	2.47		10/08/09 00:39	75-01-4	
m&p-Xylene	ND	ppbv	2.5	2.47		10/08/09 00:39	1330-20-7	
o-Xylene	**1.3**	ppbv	1.2	2.47		10/08/09 00:39	95-47-6	

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ANALYTICAL RESULTS

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Sample: GWT-7 **Lab ID: 10113864015** Collected: 09/30/09 08:49 Received: 10/02/09 09:04 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	**1.1**	ppbv	1.1	2.16		10/07/09 23:34	71-43-2	
Bromomethane	ND	ppbv	1.1	2.16		10/07/09 23:34	74-83-9	
Carbon tetrachloride	ND	ppbv	1.1	2.16		10/07/09 23:34	56-23-5	
Chlorobenzene	ND	ppbv	1.1	2.16		10/07/09 23:34	108-90-7	
Chloroethane	ND	ppbv	1.1	2.16		10/07/09 23:34	75-00-3	
Chloroform	ND	ppbv	1.1	2.16		10/07/09 23:34	67-66-3	
Chloromethane	ND	ppbv	1.1	2.16		10/07/09 23:34	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	1.1	2.16		10/07/09 23:34	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	1.1	2.16		10/07/09 23:34	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	1.1	2.16		10/07/09 23:34	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	1.1	2.16		10/07/09 23:34	106-46-7	
Dichlorodifluoromethane	ND	ppbv	1.1	2.16		10/07/09 23:34	75-71-8	
1,1-Dichloroethane	ND	ppbv	1.1	2.16		10/07/09 23:34	75-34-3	
1,2-Dichloroethane	ND	ppbv	1.1	2.16		10/07/09 23:34	107-06-2	
1,1-Dichloroethene	ND	ppbv	1.1	2.16		10/07/09 23:34	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	1.1	2.16		10/07/09 23:34	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	1.1	2.16		10/07/09 23:34	156-60-5	
1,2-Dichloropropane	ND	ppbv	1.1	2.16		10/07/09 23:34	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	1.1	2.16		10/07/09 23:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	1.1	2.16		10/07/09 23:34	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	1.1	2.16		10/07/09 23:34	76-14-2	
Ethylbenzene	ND	ppbv	1.1	2.16		10/07/09 23:34	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	1.1	2.16		10/07/09 23:34	87-68-3	
Methylene Chloride	ND	ppbv	1.1	2.16		10/07/09 23:34	75-09-2	
Styrene	ND	ppbv	1.1	2.16		10/07/09 23:34	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	1.1	2.16		10/07/09 23:34	79-34-5	
Tetrachloroethene	**3.9**	ppbv	1.1	2.16		10/07/09 23:34	127-18-4	
Toluene	**1.1**	ppbv	1.1	2.16		10/07/09 23:34	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	1.1	2.16		10/07/09 23:34	120-82-1	
1,1,1-Trichloroethane	**26.6**	ppbv	1.1	2.16		10/07/09 23:34	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	1.1	2.16		10/07/09 23:34	79-00-5	
Trichloroethene	ND	ppbv	1.1	2.16		10/07/09 23:34	79-01-6	
Trichlorofluoromethane	**3.6**	ppbv	1.1	2.16		10/07/09 23:34	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	1.1	2.16		10/07/09 23:34	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	1.1	2.16		10/07/09 23:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	1.1	2.16		10/07/09 23:34	108-67-8	
Vinyl chloride	ND	ppbv	1.1	2.16		10/07/09 23:34	75-01-4	
m&p-Xylene	ND	ppbv	2.2	2.16		10/07/09 23:34	1330-20-7	
o-Xylene	ND	ppbv	1.1	2.16		10/07/09 23:34	95-47-6	

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ANALYTICAL RESULTS

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Sample: GWT-6 **Lab ID: 10113864016** Collected: 09/30/09 09:45 Received: 10/02/09 09:04 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	ND	ppbv	1.3	2.59		10/07/09 21:56	71-43-2	
Bromomethane	ND	ppbv	1.3	2.59		10/07/09 21:56	74-83-9	
Carbon tetrachloride	ND	ppbv	1.3	2.59		10/07/09 21:56	56-23-5	
Chlorobenzene	ND	ppbv	1.3	2.59		10/07/09 21:56	108-90-7	
Chloroethane	ND	ppbv	1.3	2.59		10/07/09 21:56	75-00-3	
Chloroform	ND	ppbv	1.3	2.59		10/07/09 21:56	67-66-3	
Chloromethane	ND	ppbv	1.3	2.59		10/07/09 21:56	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	1.3	2.59		10/07/09 21:56	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	1.3	2.59		10/07/09 21:56	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	1.3	2.59		10/07/09 21:56	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	1.3	2.59		10/07/09 21:56	106-46-7	
Dichlorodifluoromethane	ND	ppbv	1.3	2.59		10/07/09 21:56	75-71-8	
1,1-Dichloroethane	ND	ppbv	1.3	2.59		10/07/09 21:56	75-34-3	
1,2-Dichloroethane	ND	ppbv	1.3	2.59		10/07/09 21:56	107-06-2	
1,1-Dichloroethene	ND	ppbv	1.3	2.59		10/07/09 21:56	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	1.3	2.59		10/07/09 21:56	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	1.3	2.59		10/07/09 21:56	156-60-5	
1,2-Dichloropropane	ND	ppbv	1.3	2.59		10/07/09 21:56	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	1.3	2.59		10/07/09 21:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	1.3	2.59		10/07/09 21:56	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	1.3	2.59		10/07/09 21:56	76-14-2	
Ethylbenzene	ND	ppbv	1.3	2.59		10/07/09 21:56	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	1.3	2.59		10/07/09 21:56	87-68-3	
Methylene Chloride	ND	ppbv	1.3	2.59		10/07/09 21:56	75-09-2	
Styrene	ND	ppbv	1.3	2.59		10/07/09 21:56	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	1.3	2.59		10/07/09 21:56	79-34-5	
Tetrachloroethene	**5.3**	ppbv	1.3	2.59		10/07/09 21:56	127-18-4	
Toluene	**2.4**	ppbv	1.3	2.59		10/07/09 21:56	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	1.3	2.59		10/07/09 21:56	120-82-1	
1,1,1-Trichloroethane	**34.3**	ppbv	1.3	2.59		10/07/09 21:56	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	1.3	2.59		10/07/09 21:56	79-00-5	
Trichloroethene	**1.9**	ppbv	1.3	2.59		10/07/09 21:56	79-01-6	
Trichlorofluoromethane	**52.3**	ppbv	1.3	2.59		10/07/09 21:56	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	1.3	2.59		10/07/09 21:56	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	1.3	2.59		10/07/09 21:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	1.3	2.59		10/07/09 21:56	108-67-8	
Vinyl chloride	ND	ppbv	1.3	2.59		10/07/09 21:56	75-01-4	
m&p-Xylene	**3.4**	ppbv	2.6	2.59		10/07/09 21:56	1330-20-7	
o-Xylene	**1.4**	ppbv	1.3	2.59		10/07/09 21:56	95-47-6	

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ANALYTICAL RESULTS

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Sample: GWT-5 **Lab ID: 10113864017** Collected: 09/30/09 10:27 Received: 10/02/09 09:04 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	ND	ppbv	1.1	2.16		10/08/09 00:06	71-43-2	
Bromomethane	ND	ppbv	1.1	2.16		10/08/09 00:06	74-83-9	
Carbon tetrachloride	ND	ppbv	1.1	2.16		10/08/09 00:06	56-23-5	
Chlorobenzene	ND	ppbv	1.1	2.16		10/08/09 00:06	108-90-7	
Chloroethane	ND	ppbv	1.1	2.16		10/08/09 00:06	75-00-3	
Chloroform	ND	ppbv	1.1	2.16		10/08/09 00:06	67-66-3	
Chloromethane	ND	ppbv	1.1	2.16		10/08/09 00:06	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	1.1	2.16		10/08/09 00:06	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	1.1	2.16		10/08/09 00:06	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	1.1	2.16		10/08/09 00:06	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	1.1	2.16		10/08/09 00:06	106-46-7	
Dichlorodifluoromethane	ND	ppbv	1.1	2.16		10/08/09 00:06	75-71-8	
1,1-Dichloroethane	**2.0**	ppbv	1.1	2.16		10/08/09 00:06	75-34-3	
1,2-Dichloroethane	ND	ppbv	1.1	2.16		10/08/09 00:06	107-06-2	
1,1-Dichloroethene	ND	ppbv	1.1	2.16		10/08/09 00:06	75-35-4	
cis-1,2-Dichloroethene	**6.9**	ppbv	1.1	2.16		10/08/09 00:06	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	1.1	2.16		10/08/09 00:06	156-60-5	
1,2-Dichloropropane	ND	ppbv	1.1	2.16		10/08/09 00:06	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	1.1	2.16		10/08/09 00:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	1.1	2.16		10/08/09 00:06	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	1.1	2.16		10/08/09 00:06	76-14-2	
Ethylbenzene	ND	ppbv	1.1	2.16		10/08/09 00:06	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	1.1	2.16		10/08/09 00:06	87-68-3	
Methylene Chloride	**15.2**	ppbv	1.1	2.16		10/08/09 00:06	75-09-2	
Styrene	ND	ppbv	1.1	2.16		10/08/09 00:06	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	1.1	2.16		10/08/09 00:06	79-34-5	
Tetrachloroethene	**11.0**	ppbv	1.1	2.16		10/08/09 00:06	127-18-4	
Toluene	**2.2**	ppbv	1.1	2.16		10/08/09 00:06	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	1.1	2.16		10/08/09 00:06	120-82-1	
1,1,1-Trichloroethane	**10.3**	ppbv	1.1	2.16		10/08/09 00:06	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	1.1	2.16		10/08/09 00:06	79-00-5	
Trichloroethene	**42.6**	ppbv	1.1	2.16		10/08/09 00:06	79-01-6	
Trichlorofluoromethane	ND	ppbv	1.1	2.16		10/08/09 00:06	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	1.1	2.16		10/08/09 00:06	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	1.1	2.16		10/08/09 00:06	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	1.1	2.16		10/08/09 00:06	108-67-8	
Vinyl chloride	ND	ppbv	1.1	2.16		10/08/09 00:06	75-01-4	
m&p-Xylene	ND	ppbv	2.2	2.16		10/08/09 00:06	1330-20-7	
o-Xylene	ND	ppbv	1.1	2.16		10/08/09 00:06	95-47-6	

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ANALYTICAL RESULTS

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Sample: GWT-4 **Lab ID: 10113864018** Collected: 09/30/09 11:30 Received: 10/02/09 09:04 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	ND	ppbv	1.1	2.26		10/08/09 19:39	71-43-2	
Bromomethane	ND	ppbv	1.1	2.26		10/08/09 19:39	74-83-9	
Carbon tetrachloride	ND	ppbv	1.1	2.26		10/08/09 19:39	56-23-5	
Chlorobenzene	ND	ppbv	1.1	2.26		10/08/09 19:39	108-90-7	
Chloroethane	ND	ppbv	1.1	2.26		10/08/09 19:39	75-00-3	
Chloroform	ND	ppbv	1.1	2.26		10/08/09 19:39	67-66-3	
Chloromethane	ND	ppbv	1.1	2.26		10/08/09 19:39	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	1.1	2.26		10/08/09 19:39	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	1.1	2.26		10/08/09 19:39	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	1.1	2.26		10/08/09 19:39	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	1.1	2.26		10/08/09 19:39	106-46-7	
Dichlorodifluoromethane	ND	ppbv	1.1	2.26		10/08/09 19:39	75-71-8	
1,1-Dichloroethane	**2.4**	ppbv	1.1	2.26		10/08/09 19:39	75-34-3	
1,2-Dichloroethane	ND	ppbv	1.1	2.26		10/08/09 19:39	107-06-2	
1,1-Dichloroethene	**1.5**	ppbv	1.1	2.26		10/08/09 19:39	75-35-4	
cis-1,2-Dichloroethene	**9.3**	ppbv	1.1	2.26		10/08/09 19:39	156-59-2	
trans-1,2-Dichloroethene	**3.0**	ppbv	1.1	2.26		10/08/09 19:39	156-60-5	
1,2-Dichloropropane	ND	ppbv	1.1	2.26		10/08/09 19:39	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	1.1	2.26		10/08/09 19:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	1.1	2.26		10/08/09 19:39	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	1.1	2.26		10/08/09 19:39	76-14-2	
Ethylbenzene	ND	ppbv	1.1	2.26		10/08/09 19:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	1.1	2.26		10/08/09 19:39	87-68-3	
Methylene Chloride	**298**	ppbv	1.1	2.26		10/08/09 19:39	75-09-2	E
Styrene	ND	ppbv	1.1	2.26		10/08/09 19:39	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	1.1	2.26		10/08/09 19:39	79-34-5	
Tetrachloroethene	ND	ppbv	1.1	2.26		10/08/09 19:39	127-18-4	
Toluene	ND	ppbv	1.1	2.26		10/08/09 19:39	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	1.1	2.26		10/08/09 19:39	120-82-1	
1,1,1-Trichloroethane	**3.6**	ppbv	1.1	2.26		10/08/09 19:39	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	1.1	2.26		10/08/09 19:39	79-00-5	
Trichloroethene	**8.8**	ppbv	1.1	2.26		10/08/09 19:39	79-01-6	
Trichlorofluoromethane	ND	ppbv	1.1	2.26		10/08/09 19:39	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	1.1	2.26		10/08/09 19:39	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	1.1	2.26		10/08/09 19:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	1.1	2.26		10/08/09 19:39	108-67-8	
Vinyl chloride	ND	ppbv	1.1	2.26		10/08/09 19:39	75-01-4	
m&p-Xylene	ND	ppbv	2.3	2.26		10/08/09 19:39	1330-20-7	
o-Xylene	ND	ppbv	1.1	2.26		10/08/09 19:39	95-47-6	

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ANALYTICAL RESULTS

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Sample: GWT-3 **Lab ID: 10113864019** Collected: 09/30/09 12:14 Received: 10/02/09 09:04 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	ND	ppbv	1.2	2.36		10/07/09 22:29	71-43-2	
Bromomethane	ND	ppbv	1.2	2.36		10/07/09 22:29	74-83-9	
Carbon tetrachloride	ND	ppbv	1.2	2.36		10/07/09 22:29	56-23-5	
Chlorobenzene	ND	ppbv	1.2	2.36		10/07/09 22:29	108-90-7	
Chloroethane	ND	ppbv	1.2	2.36		10/07/09 22:29	75-00-3	
Chloroform	ND	ppbv	1.2	2.36		10/07/09 22:29	67-66-3	
Chloromethane	ND	ppbv	1.2	2.36		10/07/09 22:29	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	1.2	2.36		10/07/09 22:29	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	1.2	2.36		10/07/09 22:29	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	1.2	2.36		10/07/09 22:29	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	1.2	2.36		10/07/09 22:29	106-46-7	
Dichlorodifluoromethane	ND	ppbv	1.2	2.36		10/07/09 22:29	75-71-8	
1,1-Dichloroethane	ND	ppbv	1.2	2.36		10/07/09 22:29	75-34-3	
1,2-Dichloroethane	ND	ppbv	1.2	2.36		10/07/09 22:29	107-06-2	
1,1-Dichloroethene	ND	ppbv	1.2	2.36		10/07/09 22:29	75-35-4	
cis-1,2-Dichloroethene	**2.3**	ppbv	1.2	2.36		10/07/09 22:29	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	1.2	2.36		10/07/09 22:29	156-60-5	
1,2-Dichloropropane	ND	ppbv	1.2	2.36		10/07/09 22:29	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	1.2	2.36		10/07/09 22:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	1.2	2.36		10/07/09 22:29	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	1.2	2.36		10/07/09 22:29	76-14-2	
Ethylbenzene	ND	ppbv	1.2	2.36		10/07/09 22:29	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	1.2	2.36		10/07/09 22:29	87-68-3	
Methylene Chloride	**23.4**	ppbv	1.2	2.36		10/07/09 22:29	75-09-2	
Styrene	ND	ppbv	1.2	2.36		10/07/09 22:29	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	1.2	2.36		10/07/09 22:29	79-34-5	
Tetrachloroethene	**5.3**	ppbv	1.2	2.36		10/07/09 22:29	127-18-4	
Toluene	**3.7**	ppbv	1.2	2.36		10/07/09 22:29	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	1.2	2.36		10/07/09 22:29	120-82-1	
1,1,1-Trichloroethane	**58.8**	ppbv	1.2	2.36		10/07/09 22:29	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	1.2	2.36		10/07/09 22:29	79-00-5	
Trichloroethene	**35.3**	ppbv	1.2	2.36		10/07/09 22:29	79-01-6	
Trichlorofluoromethane	ND	ppbv	1.2	2.36		10/07/09 22:29	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	1.2	2.36		10/07/09 22:29	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	1.2	2.36		10/07/09 22:29	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	1.2	2.36		10/07/09 22:29	108-67-8	
Vinyl chloride	ND	ppbv	1.2	2.36		10/07/09 22:29	75-01-4	
m&p-Xylene	ND	ppbv	2.4	2.36		10/07/09 22:29	1330-20-7	
o-Xylene	ND	ppbv	1.2	2.36		10/07/09 22:29	95-47-6	

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ANALYTICAL RESULTS

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Sample: GWT-2 **Lab ID: 10113864020** Collected: 09/30/09 13:05 Received: 10/02/09 09:04 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	**49.9**	ppbv	1.2	2.36		10/07/09 23:02	71-43-2	
Bromomethane	ND	ppbv	1.2	2.36		10/07/09 23:02	74-83-9	
Carbon tetrachloride	ND	ppbv	1.2	2.36		10/07/09 23:02	56-23-5	
Chlorobenzene	ND	ppbv	1.2	2.36		10/07/09 23:02	108-90-7	
Chloroethane	ND	ppbv	1.2	2.36		10/07/09 23:02	75-00-3	
Chloroform	ND	ppbv	1.2	2.36		10/07/09 23:02	67-66-3	
Chloromethane	ND	ppbv	1.2	2.36		10/07/09 23:02	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	1.2	2.36		10/07/09 23:02	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	1.2	2.36		10/07/09 23:02	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	1.2	2.36		10/07/09 23:02	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	1.2	2.36		10/07/09 23:02	106-46-7	
Dichlorodifluoromethane	ND	ppbv	1.2	2.36		10/07/09 23:02	75-71-8	
1,1-Dichloroethane	ND	ppbv	1.2	2.36		10/07/09 23:02	75-34-3	
1,2-Dichloroethane	ND	ppbv	1.2	2.36		10/07/09 23:02	107-06-2	
1,1-Dichloroethene	ND	ppbv	1.2	2.36		10/07/09 23:02	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	1.2	2.36		10/07/09 23:02	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	1.2	2.36		10/07/09 23:02	156-60-5	
1,2-Dichloropropane	ND	ppbv	1.2	2.36		10/07/09 23:02	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	1.2	2.36		10/07/09 23:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	1.2	2.36		10/07/09 23:02	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	1.2	2.36		10/07/09 23:02	76-14-2	
Ethylbenzene	**9.7**	ppbv	1.2	2.36		10/07/09 23:02	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	1.2	2.36		10/07/09 23:02	87-68-3	
Methylene Chloride	**3.2**	ppbv	1.2	2.36		10/07/09 23:02	75-09-2	
Styrene	ND	ppbv	1.2	2.36		10/07/09 23:02	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	1.2	2.36		10/07/09 23:02	79-34-5	
Tetrachloroethene	**4.8**	ppbv	1.2	2.36		10/07/09 23:02	127-18-4	
Toluene	**6.1**	ppbv	1.2	2.36		10/07/09 23:02	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	1.2	2.36		10/07/09 23:02	120-82-1	
1,1,1-Trichloroethane	**1.6**	ppbv	1.2	2.36		10/07/09 23:02	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	1.2	2.36		10/07/09 23:02	79-00-5	
Trichloroethene	**1.4**	ppbv	1.2	2.36		10/07/09 23:02	79-01-6	
Trichlorofluoromethane	ND	ppbv	1.2	2.36		10/07/09 23:02	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	1.2	2.36		10/07/09 23:02	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	1.2	2.36		10/07/09 23:02	95-63-6	
1,3,5-Trimethylbenzene	**4.8**	ppbv	1.2	2.36		10/07/09 23:02	108-67-8	
Vinyl chloride	ND	ppbv	1.2	2.36		10/07/09 23:02	75-01-4	
m&p-Xylene	**9.8**	ppbv	2.4	2.36		10/07/09 23:02	1330-20-7	
o-Xylene	**2.5**	ppbv	1.2	2.36		10/07/09 23:02	95-47-6	

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ANALYTICAL RESULTS

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Sample: GWT-1 **Lab ID: 10113864021** Collected: 09/30/09 13:56 Received: 10/02/09 09:04 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	**37.7**	ppbv	6.2	12.35		10/09/09 01:06	71-43-2	
Bromomethane	ND	ppbv	6.2	12.35		10/09/09 01:06	74-83-9	
Carbon tetrachloride	ND	ppbv	6.2	12.35		10/09/09 01:06	56-23-5	
Chlorobenzene	ND	ppbv	6.2	12.35		10/09/09 01:06	108-90-7	
Chloroethane	ND	ppbv	6.2	12.35		10/09/09 01:06	75-00-3	
Chloroform	ND	ppbv	6.2	12.35		10/09/09 01:06	67-66-3	
Chloromethane	ND	ppbv	6.2	12.35		10/09/09 01:06	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	6.2	12.35		10/09/09 01:06	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	6.2	12.35		10/09/09 01:06	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	6.2	12.35		10/09/09 01:06	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	6.2	12.35		10/09/09 01:06	106-46-7	
Dichlorodifluoromethane	ND	ppbv	6.2	12.35		10/09/09 01:06	75-71-8	
1,1-Dichloroethane	ND	ppbv	6.2	12.35		10/09/09 01:06	75-34-3	
1,2-Dichloroethane	ND	ppbv	6.2	12.35		10/09/09 01:06	107-06-2	
1,1-Dichloroethene	ND	ppbv	6.2	12.35		10/09/09 01:06	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	6.2	12.35		10/09/09 01:06	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	6.2	12.35		10/09/09 01:06	156-60-5	
1,2-Dichloropropane	ND	ppbv	6.2	12.35		10/09/09 01:06	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	6.2	12.35		10/09/09 01:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	6.2	12.35		10/09/09 01:06	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	6.2	12.35		10/09/09 01:06	76-14-2	
Ethylbenzene	**9.2**	ppbv	6.2	12.35		10/09/09 01:06	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	6.2	12.35		10/09/09 01:06	87-68-3	
Methylene Chloride	**425**	ppbv	6.2	12.35		10/09/09 01:06	75-09-2	
Styrene	ND	ppbv	6.2	12.35		10/09/09 01:06	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	6.2	12.35		10/09/09 01:06	79-34-5	
Tetrachloroethene	ND	ppbv	6.2	12.35		10/09/09 01:06	127-18-4	
Toluene	ND	ppbv	6.2	12.35		10/09/09 01:06	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	6.2	12.35		10/09/09 01:06	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	6.2	12.35		10/09/09 01:06	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	6.2	12.35		10/09/09 01:06	79-00-5	
Trichloroethene	ND	ppbv	6.2	12.35		10/09/09 01:06	79-01-6	
Trichlorofluoromethane	ND	ppbv	6.2	12.35		10/09/09 01:06	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	6.2	12.35		10/09/09 01:06	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	6.2	12.35		10/09/09 01:06	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	6.2	12.35		10/09/09 01:06	108-67-8	
Vinyl chloride	ND	ppbv	6.2	12.35		10/09/09 01:06	75-01-4	
m&p-Xylene	ND	ppbv	12.4	12.35		10/09/09 01:06	1330-20-7	
o-Xylene	ND	ppbv	6.2	12.35		10/09/09 01:06	95-47-6	

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QUALITY CONTROL DATA

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

QC Batch: AIR/9226 Analysis Method: TO-14 Ambient Air
QC Batch Method: TO-14 Ambient Air Analysis Description: TO14 MSV AIR - AMBIENT
Associated Lab Samples: 10113864018, 10113864021

METHOD BLANK: 693923 Matrix: Air
Associated Lab Samples: 10113864018, 10113864021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ppbv	ND	0.50	10/08/09 18:31	
1,1,2,2-Tetrachloroethane	ppbv	ND	0.50	10/08/09 18:31	
1,1,2-Trichloroethane	ppbv	ND	0.50	10/08/09 18:31	
1,1,2-Trichlorotrifluoroethane	ppbv	ND	0.50	10/08/09 18:31	
1,1-Dichloroethane	ppbv	ND	0.50	10/08/09 18:31	
1,1-Dichloroethene	ppbv	ND	0.50	10/08/09 18:31	
1,2,4-Trichlorobenzene	ppbv	ND	0.50	10/08/09 18:31	
1,2,4-Trimethylbenzene	ppbv	ND	0.50	10/08/09 18:31	
1,2-Dibromoethane (EDB)	ppbv	ND	0.50	10/08/09 18:31	
1,2-Dichlorobenzene	ppbv	ND	0.50	10/08/09 18:31	
1,2-Dichloroethane	ppbv	ND	0.50	10/08/09 18:31	
1,2-Dichloropropane	ppbv	ND	0.50	10/08/09 18:31	
1,3,5-Trimethylbenzene	ppbv	ND	0.50	10/08/09 18:31	
1,3-Dichlorobenzene	ppbv	ND	0.50	10/08/09 18:31	
1,4-Dichlorobenzene	ppbv	ND	0.50	10/08/09 18:31	
Benzene	ppbv	ND	0.50	10/08/09 18:31	
Bromomethane	ppbv	ND	0.50	10/08/09 18:31	
Carbon tetrachloride	ppbv	ND	0.50	10/08/09 18:31	
Chlorobenzene	ppbv	ND	0.50	10/08/09 18:31	
Chloroethane	ppbv	ND	0.50	10/08/09 18:31	
Chloroform	ppbv	ND	0.50	10/08/09 18:31	
Chloromethane	ppbv	ND	0.50	10/08/09 18:31	
cis-1,2-Dichloroethene	ppbv	ND	0.50	10/08/09 18:31	
cis-1,3-Dichloropropene	ppbv	ND	0.50	10/08/09 18:31	
Dichlorodifluoromethane	ppbv	ND	0.50	10/08/09 18:31	
Dichlorotetrafluoroethane	ppbv	ND	0.50	10/08/09 18:31	
Ethylbenzene	ppbv	ND	0.50	10/08/09 18:31	
Hexachloro-1,3-butadiene	ppbv	ND	0.50	10/08/09 18:31	
m&p-Xylene	ppbv	ND	1.0	10/08/09 18:31	
Methylene Chloride	ppbv	ND	0.50	10/08/09 18:31	
o-Xylene	ppbv	ND	0.50	10/08/09 18:31	
Styrene	ppbv	ND	0.50	10/08/09 18:31	
Tetrachloroethene	ppbv	ND	0.50	10/08/09 18:31	
Toluene	ppbv	ND	0.50	10/08/09 18:31	
trans-1,2-Dichloroethene	ppbv	ND	0.50	10/08/09 18:31	
trans-1,3-Dichloropropene	ppbv	ND	0.50	10/08/09 18:31	
Trichloroethene	ppbv	ND	0.50	10/08/09 18:31	
Trichlorofluoromethane	ppbv	ND	0.50	10/08/09 18:31	
Vinyl chloride	ppbv	ND	0.50	10/08/09 18:31	

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QUALITY CONTROL DATA

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

LABORATORY CONTROL SAMPLE: 693924

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ppbv	10.3	12.3	119	67-125	
1,1,2,2-Tetrachloroethane	ppbv	10.2	13.4	132	64-129	L3
1,1,2-Trichloroethane	ppbv	10.1	11.0	109	66-125	
1,1,2-Trichlorotrifluoroethane	ppbv	9.8	7.5	77	61-129	
1,1-Dichloroethane	ppbv	10	9.0	90	61-125	
1,1-Dichloroethene	ppbv	10	10.3	103	59-127	
1,2,4-Trichlorobenzene	ppbv	9.9	9.5	96	30-150	
1,2,4-Trimethylbenzene	ppbv	9.9	11.4	115	59-147	
1,2-Dibromoethane (EDB)	ppbv	10.4	11.9	115	65-136	
1,2-Dichlorobenzene	ppbv	10.2	11.0	108	66-140	
1,2-Dichloroethane	ppbv	10.9	12.1	111	63-125	
1,2-Dichloropropane	ppbv	10.8	12.9	120	69-125	
1,3,5-Trimethylbenzene	ppbv	9.9	11.1	112	54-142	
1,3-Dichlorobenzene	ppbv	10.5	11.2	106	69-141	
1,4-Dichlorobenzene	ppbv	10.3	13.0	126	66-143	
Benzene	ppbv	10.1	11.0	109	59-125	
Bromomethane	ppbv	10.1	10.5	103	50-129	
Carbon tetrachloride	ppbv	10.1	9.9	98	54-131	
Chlorobenzene	ppbv	9.9	12.1	122	69-136	
Chloroethane	ppbv	9.9	10.2	103	64-131	
Chloroform	ppbv	9.7	10.9	112	50-125	
Chloromethane	ppbv	10	11.3	113	64-125	
cis-1,2-Dichloroethene	ppbv	10.3	10.9	106	62-125	
cis-1,3-Dichloropropene	ppbv	10.5	11.7	112	62-136	
Dichlorodifluoromethane	ppbv	9.8	7.8	79	60-125	
Dichlorotetrafluoroethane	ppbv	10	8.9	89	62-125	
Ethylbenzene	ppbv	11	14.0	127	65-137	
Hexachloro-1,3-butadiene	ppbv	9.8	10.3	105	50-150	
m&p-Xylene	ppbv	21	25.6	122	67-136	
Methylene Chloride	ppbv	9.8	7.6	78	60-130	
o-Xylene	ppbv	10.3	13.6	132	65-135	
Styrene	ppbv	10	11.1	111	66-140	
Tetrachloroethene	ppbv	10.4	11.9	114	68-127	
Toluene	ppbv	10.4	11.7	113	66-125	
trans-1,2-Dichloroethene	ppbv	10.4	10.4	100	70-130	
trans-1,3-Dichloropropene	ppbv	10.6	9.6	91	59-145	
Trichloroethene	ppbv	10.1	13.0	129	75-144	
Trichlorofluoromethane	ppbv	9.8	10.1	103	63-141	
Vinyl chloride	ppbv	10.3	10	97	67-130	

SAMPLE DUPLICATE: 694338

Parameter	Units	10114045003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ppbv	460	880	63	30	E,R1
1,1,2,2-Tetrachloroethane	ppbv	ND	ND		30	
1,1,2-Trichloroethane	ppbv	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ppbv	ND	ND		30	

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QUALITY CONTROL DATA

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

SAMPLE DUPLICATE: 694338

Parameter	Units	10114045003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethane	ppbv	7.7	7.6	1	30	
1,1-Dichloroethene	ppbv	87.6	85.6	2	30	
1,2,4-Trichlorobenzene	ppbv	ND	ND		30	
1,2,4-Trimethylbenzene	ppbv	ND	ND		30	
1,2-Dibromoethane (EDB)	ppbv	ND	ND		30	
1,2-Dichlorobenzene	ppbv	ND	ND		30	
1,2-Dichloroethane	ppbv	ND	ND		30	
1,2-Dichloropropane	ppbv	ND	ND		30	
1,3,5-Trimethylbenzene	ppbv	ND	ND		30	
1,3-Dichlorobenzene	ppbv	ND	ND		30	
1,4-Dichlorobenzene	ppbv	ND	ND		30	
Benzene	ppbv	ND	ND		30	
Bromomethane	ppbv	ND	ND		30	
Carbon tetrachloride	ppbv	ND	ND		30	
Chlorobenzene	ppbv	ND	ND		30	
Chloroethane	ppbv	ND	ND		30	
Chloroform	ppbv	ND	ND		30	
Chloromethane	ppbv	ND	ND		30	
cis-1,2-Dichloroethene	ppbv	5.6	5.4J		30	
cis-1,3-Dichloropropene	ppbv	ND	ND		30	
Dichlorodifluoromethane	ppbv	ND	ND		30	
Dichlorotetrafluoroethane	ppbv	ND	ND		30	
Ethylbenzene	ppbv	ND	ND		30	
Hexachloro-1,3-butadiene	ppbv	ND	ND		30	
m&p-Xylene	ppbv	ND	ND		30	
Methylene Chloride	ppbv	22.1	21.7	2	30	
o-Xylene	ppbv	ND	ND		30	
Styrene	ppbv	ND	ND		30	
Tetrachloroethene	ppbv	ND	ND		30	
Toluene	ppbv	ND	ND		30	
trans-1,2-Dichloroethene	ppbv	ND	3.1J		30	
trans-1,3-Dichloropropene	ppbv	ND	ND		30	
Trichloroethene	ppbv	189	185	2	30	
Trichlorofluoromethane	ppbv	9.7	9.3	4	30	
Vinyl chloride	ppbv	ND	ND		30	

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QUALITY CONTROL DATA

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

QC Batch: AIR/9218 Analysis Method: TO-14 Ambient Air
QC Batch Method: TO-14 Ambient Air Analysis Description: TO14 MSV AIR - AMBIENT
Associated Lab Samples: 10113864014, 10113864015, 10113864016, 10113864017, 10113864019, 10113864020

METHOD BLANK: 693355 Matrix: Air
Associated Lab Samples: 10113864014, 10113864015, 10113864016, 10113864017, 10113864019, 10113864020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ppbv	ND	0.50	10/07/09 18:11	
1,1,2,2-Tetrachloroethane	ppbv	ND	0.50	10/07/09 18:11	
1,1,2-Trichloroethane	ppbv	ND	0.50	10/07/09 18:11	
1,1,2-Trichlorotrifluoroethane	ppbv	ND	0.50	10/07/09 18:11	
1,1-Dichloroethane	ppbv	ND	0.50	10/07/09 18:11	
1,1-Dichloroethene	ppbv	ND	0.50	10/07/09 18:11	
1,2,4-Trichlorobenzene	ppbv	ND	0.50	10/07/09 18:11	
1,2,4-Trimethylbenzene	ppbv	ND	0.50	10/07/09 18:11	
1,2-Dibromoethane (EDB)	ppbv	ND	0.50	10/07/09 18:11	
1,2-Dichlorobenzene	ppbv	ND	0.50	10/07/09 18:11	
1,2-Dichloroethane	ppbv	ND	0.50	10/07/09 18:11	
1,2-Dichloropropane	ppbv	ND	0.50	10/07/09 18:11	
1,3,5-Trimethylbenzene	ppbv	ND	0.50	10/07/09 18:11	
1,3-Dichlorobenzene	ppbv	ND	0.50	10/07/09 18:11	
1,4-Dichlorobenzene	ppbv	ND	0.50	10/07/09 18:11	
Benzene	ppbv	ND	0.50	10/07/09 18:11	
Bromomethane	ppbv	ND	0.50	10/07/09 18:11	
Carbon tetrachloride	ppbv	ND	0.50	10/07/09 18:11	
Chlorobenzene	ppbv	ND	0.50	10/07/09 18:11	
Chloroethane	ppbv	ND	0.50	10/07/09 18:11	
Chloroform	ppbv	ND	0.50	10/07/09 18:11	
Chloromethane	ppbv	ND	0.50	10/07/09 18:11	
cis-1,2-Dichloroethene	ppbv	ND	0.50	10/07/09 18:11	
cis-1,3-Dichloropropene	ppbv	ND	0.50	10/07/09 18:11	
Dichlorodifluoromethane	ppbv	ND	0.50	10/07/09 18:11	
Dichlorotetrafluoroethane	ppbv	ND	0.50	10/07/09 18:11	
Ethylbenzene	ppbv	ND	0.50	10/07/09 18:11	
Hexachloro-1,3-butadiene	ppbv	ND	0.50	10/07/09 18:11	
m&p-Xylene	ppbv	ND	1.0	10/07/09 18:11	
Methylene Chloride	ppbv	ND	0.50	10/07/09 18:11	
o-Xylene	ppbv	ND	0.50	10/07/09 18:11	
Styrene	ppbv	ND	0.50	10/07/09 18:11	
Tetrachloroethene	ppbv	ND	0.50	10/07/09 18:11	
Toluene	ppbv	ND	0.50	10/07/09 18:11	
trans-1,2-Dichloroethene	ppbv	ND	0.50	10/07/09 18:11	
trans-1,3-Dichloropropene	ppbv	ND	0.50	10/07/09 18:11	
Trichloroethene	ppbv	ND	0.50	10/07/09 18:11	
Trichlorofluoromethane	ppbv	ND	0.50	10/07/09 18:11	
Vinyl chloride	ppbv	ND	0.50	10/07/09 18:11	

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QUALITY CONTROL DATA

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

LABORATORY CONTROL SAMPLE: 693356

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ppbv	10.3	12.1	118	67-125	
1,1,2,2-Tetrachloroethane	ppbv	10.2	11.7	115	64-129	
1,1,2-Trichloroethane	ppbv	10.1	11.9	117	66-125	
1,1,2-Trichlorotrifluoroethane	ppbv	9.8	9.9	101	61-129	
1,1-Dichloroethane	ppbv	10	10.2	102	61-125	
1,1-Dichloroethene	ppbv	10	11.8	118	59-127	
1,2,4-Trichlorobenzene	ppbv	9.9	7.0	71	30-150	
1,2,4-Trimethylbenzene	ppbv	9.9	14.2	143	59-147	
1,2-Dibromoethane (EDB)	ppbv	10.4	12.3	118	65-136	
1,2-Dichlorobenzene	ppbv	10.2	11.9	117	66-140	
1,2-Dichloroethane	ppbv	10.9	12.3	113	63-125	
1,2-Dichloropropane	ppbv	10.8	13.3	123	69-125	
1,3,5-Trimethylbenzene	ppbv	9.9	12.1	122	54-142	
1,3-Dichlorobenzene	ppbv	10.5	12.4	118	69-141	
1,4-Dichlorobenzene	ppbv	10.3	11.7	114	66-143	
Benzene	ppbv	10.1	11.2	111	59-125	
Bromomethane	ppbv	10.1	11.7	116	50-129	
Carbon tetrachloride	ppbv	10.1	12.1	119	54-131	
Chlorobenzene	ppbv	9.9	12.6	127	69-136	
Chloroethane	ppbv	9.9	11.2	114	64-131	
Chloroform	ppbv	9.7	11.5	119	50-125	
Chloromethane	ppbv	10	12.0	120	64-125	
cis-1,2-Dichloroethene	ppbv	10.3	11.4	111	62-125	
cis-1,3-Dichloropropene	ppbv	10.5	12.7	121	62-136	
Dichlorodifluoromethane	ppbv	9.8	8.1	82	60-125	
Dichlorotetrafluoroethane	ppbv	10	9.6	96	62-125	
Ethylbenzene	ppbv	11	12.8	116	65-137	
Hexachloro-1,3-butadiene	ppbv	9.8	6.6	67	50-150	
m&p-Xylene	ppbv	21	24.8	118	67-136	
Methylene Chloride	ppbv	9.8	9.4	96	60-130	
o-Xylene	ppbv	10.3	12.0	117	65-135	
Styrene	ppbv	10	13.9	139	66-140	
Tetrachloroethene	ppbv	10.4	12.0	115	68-127	
Toluene	ppbv	10.4	11.4	110	66-125	
trans-1,2-Dichloroethene	ppbv	10.4	12.9	124	70-130	
trans-1,3-Dichloropropene	ppbv	10.6	13.2	125	59-145	
Trichloroethene	ppbv	10.1	12.8	127	75-144	
Trichlorofluoromethane	ppbv	9.8	11.5	117	63-141	
Vinyl chloride	ppbv	10.3	10.8	105	67-130	

SAMPLE DUPLICATE: 693634

Parameter	Units	10113864014 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ppbv	16.4	16.4	0	30	
1,1,2,2-Tetrachloroethane	ppbv	ND	ND		30	
1,1,2-Trichloroethane	ppbv	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ppbv	ND	ND		30	

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QUALITY CONTROL DATA

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

SAMPLE DUPLICATE: 693634

Parameter	Units	10113864014 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethane	ppbv	2.0	2.0	0	30	
1,1-Dichloroethene	ppbv	2.4	2.5	0	30	
1,2,4-Trichlorobenzene	ppbv	ND	ND		30	
1,2,4-Trimethylbenzene	ppbv	ND	ND		30	
1,2-Dibromoethane (EDB)	ppbv	ND	ND		30	
1,2-Dichlorobenzene	ppbv	ND	ND		30	
1,2-Dichloroethane	ppbv	ND	ND		30	
1,2-Dichloropropane	ppbv	ND	ND		30	
1,3,5-Trimethylbenzene	ppbv	ND	ND		30	
1,3-Dichlorobenzene	ppbv	ND	ND		30	
1,4-Dichlorobenzene	ppbv	ND	ND		30	
Benzene	ppbv	2.6	2.5	1	30	
Bromomethane	ppbv	ND	ND		30	
Carbon tetrachloride	ppbv	ND	ND		30	
Chlorobenzene	ppbv	ND	ND		30	
Chloroethane	ppbv	ND	ND		30	
Chloroform	ppbv	ND	ND		30	
Chloromethane	ppbv	ND	ND		30	
cis-1,2-Dichloroethene	ppbv	ND	ND		30	
cis-1,3-Dichloropropene	ppbv	ND	ND		30	
Dichlorodifluoromethane	ppbv	ND	ND		30	
Dichlorotetrafluoroethane	ppbv	ND	ND		30	
Ethylbenzene	ppbv	ND	ND		30	
Hexachloro-1,3-butadiene	ppbv	ND	ND		30	
m&p-Xylene	ppbv	ND	ND		30	
Methylene Chloride	ppbv	56.8	55.5	2	30	
o-Xylene	ppbv	1.3	1.3	3	30	
Styrene	ppbv	ND	ND		30	
Tetrachloroethene	ppbv	4.3	5.3	19	30	
Toluene	ppbv	4.5	4.4	1	30	
trans-1,2-Dichloroethene	ppbv	ND	ND		30	
trans-1,3-Dichloropropene	ppbv	ND	ND		30	
Trichloroethene	ppbv	ND	ND		30	
Trichlorofluoromethane	ppbv	ND	ND		30	
Vinyl chloride	ppbv	ND	ND		30	

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QUALITY CONTROL DATA

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

QC Batch: AIR/9217 Analysis Method: TO-14 Ambient Air
QC Batch Method: TO-14 Ambient Air Analysis Description: TO14 MSV AIR - AMBIENT
Associated Lab Samples: 10113864001, 10113864002, 10113864003, 10113864004, 10113864005, 10113864012

METHOD BLANK: 693353 Matrix: Air
Associated Lab Samples: 10113864001, 10113864002, 10113864003, 10113864004, 10113864005, 10113864012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ppbv	ND	0.50	10/07/09 15:59	
1,1,2,2-Tetrachloroethane	ppbv	ND	0.50	10/07/09 15:59	
1,1,2-Trichloroethane	ppbv	ND	0.50	10/07/09 15:59	
1,1,2-Trichlorotrifluoroethane	ppbv	ND	0.50	10/07/09 15:59	
1,1-Dichloroethane	ppbv	ND	0.50	10/07/09 15:59	
1,1-Dichloroethene	ppbv	ND	0.50	10/07/09 15:59	
1,2,4-Trichlorobenzene	ppbv	ND	0.50	10/07/09 15:59	
1,2,4-Trimethylbenzene	ppbv	ND	0.50	10/07/09 15:59	
1,2-Dibromoethane (EDB)	ppbv	ND	0.50	10/07/09 15:59	
1,2-Dichlorobenzene	ppbv	ND	0.50	10/07/09 15:59	
1,2-Dichloroethane	ppbv	ND	0.50	10/07/09 15:59	
1,2-Dichloropropane	ppbv	ND	0.50	10/07/09 15:59	
1,3,5-Trimethylbenzene	ppbv	ND	0.50	10/07/09 15:59	
1,3-Dichlorobenzene	ppbv	ND	0.50	10/07/09 15:59	
1,4-Dichlorobenzene	ppbv	ND	0.50	10/07/09 15:59	
Benzene	ppbv	ND	0.50	10/07/09 15:59	
Bromomethane	ppbv	ND	0.50	10/07/09 15:59	
Carbon tetrachloride	ppbv	ND	0.50	10/07/09 15:59	
Chlorobenzene	ppbv	ND	0.50	10/07/09 15:59	
Chloroethane	ppbv	ND	0.50	10/07/09 15:59	
Chloroform	ppbv	ND	0.50	10/07/09 15:59	
Chloromethane	ppbv	ND	0.50	10/07/09 15:59	
cis-1,2-Dichloroethene	ppbv	ND	0.50	10/07/09 15:59	
cis-1,3-Dichloropropene	ppbv	ND	0.50	10/07/09 15:59	
Dichlorodifluoromethane	ppbv	ND	0.50	10/07/09 15:59	
Dichlorotetrafluoroethane	ppbv	ND	0.50	10/07/09 15:59	
Ethylbenzene	ppbv	ND	0.50	10/07/09 15:59	
Hexachloro-1,3-butadiene	ppbv	ND	0.50	10/07/09 15:59	
m&p-Xylene	ppbv	ND	1.0	10/07/09 15:59	
Methylene Chloride	ppbv	ND	0.50	10/07/09 15:59	
o-Xylene	ppbv	ND	0.50	10/07/09 15:59	
Styrene	ppbv	ND	0.50	10/07/09 15:59	
Tetrachloroethene	ppbv	ND	0.50	10/07/09 15:59	
Toluene	ppbv	ND	0.50	10/07/09 15:59	
trans-1,2-Dichloroethene	ppbv	ND	0.50	10/07/09 15:59	
trans-1,3-Dichloropropene	ppbv	ND	0.50	10/07/09 15:59	
Trichloroethene	ppbv	ND	0.50	10/07/09 15:59	
Trichlorofluoromethane	ppbv	ND	0.50	10/07/09 15:59	
Vinyl chloride	ppbv	ND	0.50	10/07/09 15:59	

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QUALITY CONTROL DATA

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

LABORATORY CONTROL SAMPLE: 693354

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ppbv	10.3	9.5	92	67-125	
1,1,2,2-Tetrachloroethane	ppbv	10.2	11.1	108	64-129	
1,1,2-Trichloroethane	ppbv	10.1	9.7	96	66-125	
1,1,2-Trichlorotrifluoroethane	ppbv	9.8	7.2	73	61-129	
1,1-Dichloroethane	ppbv	10	8.7	87	61-125	
1,1-Dichloroethene	ppbv	10	10.4	104	59-127	
1,2,4-Trichlorobenzene	ppbv	9.9	10.2	103	30-150	
1,2,4-Trimethylbenzene	ppbv	9.9	11.8	120	59-147	
1,2-Dibromoethane (EDB)	ppbv	10.4	10.6	101	65-136	
1,2-Dichlorobenzene	ppbv	10.2	12.2	119	66-140	
1,2-Dichloroethane	ppbv	10.9	9.4	86	63-125	
1,2-Dichloropropane	ppbv	10.8	11.5	106	69-125	
1,3,5-Trimethylbenzene	ppbv	9.9	12.8	129	54-142	
1,3-Dichlorobenzene	ppbv	10.5	11.3	107	69-141	
1,4-Dichlorobenzene	ppbv	10.3	11.4	111	66-143	
Benzene	ppbv	10.1	9.4	93	59-125	
Bromomethane	ppbv	10.1	10.8	107	50-129	
Carbon tetrachloride	ppbv	10.1	9.1	90	54-131	
Chlorobenzene	ppbv	9.9	10.4	105	69-136	
Chloroethane	ppbv	9.9	10.4	105	64-131	
Chloroform	ppbv	9.7	9.3	95	50-125	
Chloromethane	ppbv	10	10.3	103	64-125	
cis-1,2-Dichloroethene	ppbv	10.3	10.2	99	62-125	
cis-1,3-Dichloropropene	ppbv	10.5	13.2	126	62-136	
Dichlorodifluoromethane	ppbv	9.8	7.0	72	60-125	
Dichlorotetrafluoroethane	ppbv	10	8.4	84	62-125	
Ethylbenzene	ppbv	11	12.6	114	65-137	
Hexachloro-1,3-butadiene	ppbv	9.8	6.7	68	50-150	
m&p-Xylene	ppbv	21	23.1	110	67-136	
Methylene Chloride	ppbv	9.8	8.7	89	60-130	
o-Xylene	ppbv	10.3	11.7	113	65-135	
Styrene	ppbv	10	9.4	94	66-140	
Tetrachloroethene	ppbv	10.4	10.4	100	68-127	
Toluene	ppbv	10.4	9.7	93	66-125	
trans-1,2-Dichloroethene	ppbv	10.4	10.6	101	70-130	
trans-1,3-Dichloropropene	ppbv	10.6	11.9	112	59-145	
Trichloroethene	ppbv	10.1	11.8	117	75-144	
Trichlorofluoromethane	ppbv	9.8	9.3	95	63-141	
Vinyl chloride	ppbv	10.3	11.9	116	67-130	

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QUALITY CONTROL DATA

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

QC Batch: AIR/9229 Analysis Method: TO-14 Ambient Air
QC Batch Method: TO-14 Ambient Air Analysis Description: TO14 MSV AIR - AMBIENT
Associated Lab Samples: 10113864006, 10113864007, 10113864008, 10113864009, 10113864010, 10113864011, 10113864013

METHOD BLANK: 693938 Matrix: Air
Associated Lab Samples: 10113864006, 10113864007, 10113864008, 10113864009, 10113864010, 10113864011, 10113864013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ppbv	ND	0.50	10/08/09 19:13	
1,1,2,2-Tetrachloroethane	ppbv	ND	0.50	10/08/09 19:13	
1,1,2-Trichloroethane	ppbv	ND	0.50	10/08/09 19:13	
1,1,2-Trichlorotrifluoroethane	ppbv	ND	0.50	10/08/09 19:13	
1,1-Dichloroethane	ppbv	ND	0.50	10/08/09 19:13	
1,1-Dichloroethene	ppbv	ND	0.50	10/08/09 19:13	
1,2,4-Trichlorobenzene	ppbv	ND	0.50	10/08/09 19:13	
1,2,4-Trimethylbenzene	ppbv	ND	0.50	10/08/09 19:13	
1,2-Dibromoethane (EDB)	ppbv	ND	0.50	10/08/09 19:13	
1,2-Dichlorobenzene	ppbv	ND	0.50	10/08/09 19:13	
1,2-Dichloroethane	ppbv	ND	0.50	10/08/09 19:13	
1,2-Dichloropropane	ppbv	ND	0.50	10/08/09 19:13	
1,3,5-Trimethylbenzene	ppbv	ND	0.50	10/08/09 19:13	
1,3-Dichlorobenzene	ppbv	ND	0.50	10/08/09 19:13	
1,4-Dichlorobenzene	ppbv	ND	0.50	10/08/09 19:13	
Benzene	ppbv	ND	0.50	10/08/09 19:13	
Bromomethane	ppbv	ND	0.50	10/08/09 19:13	
Carbon tetrachloride	ppbv	ND	0.50	10/08/09 19:13	
Chlorobenzene	ppbv	ND	0.50	10/08/09 19:13	
Chloroethane	ppbv	ND	0.50	10/08/09 19:13	
Chloroform	ppbv	ND	0.50	10/08/09 19:13	
Chloromethane	ppbv	ND	0.50	10/08/09 19:13	
cis-1,2-Dichloroethene	ppbv	ND	0.50	10/08/09 19:13	
cis-1,3-Dichloropropene	ppbv	ND	0.50	10/08/09 19:13	
Dichlorodifluoromethane	ppbv	ND	0.50	10/08/09 19:13	
Dichlorotetrafluoroethane	ppbv	ND	0.50	10/08/09 19:13	
Ethylbenzene	ppbv	ND	0.50	10/08/09 19:13	
Hexachloro-1,3-butadiene	ppbv	ND	0.50	10/08/09 19:13	
m&p-Xylene	ppbv	ND	1.0	10/08/09 19:13	
Methylene Chloride	ppbv	ND	0.50	10/08/09 19:13	
o-Xylene	ppbv	ND	0.50	10/08/09 19:13	
Styrene	ppbv	ND	0.50	10/08/09 19:13	
Tetrachloroethene	ppbv	ND	0.50	10/08/09 19:13	
Toluene	ppbv	ND	0.50	10/08/09 19:13	
trans-1,2-Dichloroethene	ppbv	ND	0.50	10/08/09 19:13	
trans-1,3-Dichloropropene	ppbv	ND	0.50	10/08/09 19:13	
Trichloroethene	ppbv	ND	0.50	10/08/09 19:13	
Trichlorofluoromethane	ppbv	ND	0.50	10/08/09 19:13	
Vinyl chloride	ppbv	ND	0.50	10/08/09 19:13	

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QUALITY CONTROL DATA

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

LABORATORY CONTROL SAMPLE: 693939

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ppbv	10.3	11.4	111	67-125	
1,1,2,2-Tetrachloroethane	ppbv	10.2	10.9	106	64-129	
1,1,2-Trichloroethane	ppbv	10.1	9.8	97	66-125	
1,1,2-Trichlorotrifluoroethane	ppbv	9.8	6.8	70	61-129	
1,1-Dichloroethane	ppbv	10	8.0	80	61-125	
1,1-Dichloroethene	ppbv	10	8.5	85	59-127	
1,2,4-Trichlorobenzene	ppbv	9.9	10.0	101	30-150	
1,2,4-Trimethylbenzene	ppbv	9.9	11.5	117	59-147	
1,2-Dibromoethane (EDB)	ppbv	10.4	10.5	101	65-136	
1,2-Dichlorobenzene	ppbv	10.2	12.7	125	66-140	
1,2-Dichloroethane	ppbv	10.9	9.1	84	63-125	
1,2-Dichloropropane	ppbv	10.8	10.2	95	69-125	
1,3,5-Trimethylbenzene	ppbv	9.9	11.9	120	54-142	
1,3-Dichlorobenzene	ppbv	10.5	11.8	113	69-141	
1,4-Dichlorobenzene	ppbv	10.3	11.8	115	66-143	
Benzene	ppbv	10.1	8.5	84	59-125	
Bromomethane	ppbv	10.1	9.0	89	50-129	
Carbon tetrachloride	ppbv	10.1	9.5	94	54-131	
Chlorobenzene	ppbv	9.9	10.2	103	69-136	
Chloroethane	ppbv	9.9	8.2	83	64-131	
Chloroform	ppbv	9.7	8.8	91	50-125	
Chloromethane	ppbv	10	8.2	82	64-125	
cis-1,2-Dichloroethene	ppbv	10.3	8.9	86	62-125	
cis-1,3-Dichloropropene	ppbv	10.5	12.2	116	62-136	
Dichlorodifluoromethane	ppbv	9.8	6.0	62	60-125	
Dichlorotetrafluoroethane	ppbv	10	7.2	72	62-125	
Ethylbenzene	ppbv	11	11.2	102	65-137	
Hexachloro-1,3-butadiene	ppbv	9.8	9.7	99	50-150	
m&p-Xylene	ppbv	21	21.1	101	67-136	
Methylene Chloride	ppbv	9.8	7.4	75	60-130	
o-Xylene	ppbv	10.3	11.0	107	65-135	
Styrene	ppbv	10	10.2	102	66-140	
Tetrachloroethene	ppbv	10.4	10.2	98	68-127	
Toluene	ppbv	10.4	9.4	90	66-125	
trans-1,2-Dichloroethene	ppbv	10.4	10.4	100	70-130	
trans-1,3-Dichloropropene	ppbv	10.6	11.6	110	59-145	
Trichloroethene	ppbv	10.1	11.6	115	75-144	
Trichlorofluoromethane	ppbv	9.8	8.9	91	63-141	
Vinyl chloride	ppbv	10.3	8.0	78	67-130	

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QUALIFIERS

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

U - Indicates the compound was analyzed for, but not detected.

SAMPLE QUALIFIERS

Sample: 10113864006

[1]	This result is reported from a serial dilution

ANALYTE QUALIFIERS

A3	The sample was analyzed by serial dilution.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 7397.10 TECUMSEH
Pace Project No.: 10113864

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10113864001	**RD-1**	TO-14 Ambient Air	AIR/9217		
10113864002	**RD-2**	TO-14 Ambient Air	AIR/9217		
10113864003	**RD-4**	TO-14 Ambient Air	AIR/9217		
10113864004	**RD-3**	TO-14 Ambient Air	AIR/9217		
10113864005	**PL-1**	TO-14 Ambient Air	AIR/9217		
10113864012	**GWT-10**	TO-14 Ambient Air	AIR/9217		
10113864014	**GWT-8**	TO-14 Ambient Air	AIR/9218		
10113864015	**GWT-7**	TO-14 Ambient Air	AIR/9218		
10113864016	**GWT-6**	TO-14 Ambient Air	AIR/9218		
10113864017	**GWT-5**	TO-14 Ambient Air	AIR/9218		
10113864019	**GWT-3**	TO-14 Ambient Air	AIR/9218		
10113864020	**GWT-2**	TO-14 Ambient Air	AIR/9218		
10113864018	**GWT-4**	TO-14 Ambient Air	AIR/9226		
10113864021	**GWT-1**	TO-14 Ambient Air	AIR/9226		
10113864006	**PL-4**	TO-14 Ambient Air	AIR/9229		
10113864007	**PL-3**	TO-14 Ambient Air	AIR/9229		
10113864008	**PL-2**	TO-14 Ambient Air	AIR/9229		
10113864009	**GWT-13**	TO-14 Ambient Air	AIR/9229		
10113864010	**GWT-12**	TO-14 Ambient Air	AIR/9229		
10113864011	**GWT-11**	TO-14 Ambient Air	AIR/9229		
10113864013	**GWT-9**	TO-14 Ambient Air	AIR/9229		

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AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10113864

00508 | Page: 1 of 2

Section A Required Client Information:
Company: RMT
Address: 744 Heartland Trail, Madison, WI 53717
Email To: alyssa.sellwood@rmtinc.com
Phone: 608.662.5480 Fax: 608.831.3334
Requested Due Date/TAT:

Section B Required Project Information:
Report To: Alyssa Sellwood
Copy To:
Purchase Order No.:
Project Name: Tecumseh
Project Number: 7397.10

Section C Invoice Information:
Attention: Tom Stolzenburg
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager/Sales Rep.:
Pace Profile #:

Program: ☐ UST ☐ Superfund ☐ Emmisions ☐ Clean Air Act ☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☑ Other WDNR

Location of Sampling by State: WI

Reporting Units: ug/m³___ mg/m³ ✓ PPBV___ PPMV___ Other___

Report Level II.___ III.___ IV.___ Other___

Section D Required Client Information — AIR SAMPLE ID. One Character per box. (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Media Codes: Tedlar Bag TB; 1 Liter Summa Can 1LC; 6 Liter Summa Can 6LC; Low Volume Puff LVP; High Volume Puff HVP; Other PM10

Sample Type: G=Grab C=Composite

Method: TO-3 BTEX+TPH(ppmv), TO-3M PPMV MEE, 3C- Fixed Gas (%), TO-14(39 VOCs), TO-15 (59+VOCs), TO-15 Low Level, TO-13 (PAH), TO-4 (PCBs), PM10

ITEM #	AIR SAMPLE ID	MEDIA CODE	SAMPLE TYPE	Composite Start DATE	Composite Start TIME	Composite End/Grab DATE	Composite End/Grab TIME	Canister Pressure (Initial Field)	Canister Pressure (Final Field)	Summa Can Number	Method	Pace Lab ID
1	RD-1	1LC	C	9/28/09	12:38	9/28/09	1:14	24	10	1160	1 (3C)	001
2	RD-2	1LC	C	"	1:40	"	2:11	27	10	922	1	002
3	RD-4	1LC	C	"	3:02	"	3:33	30	8	877	1	003
4	RD-3	1LC	C	"	3:48	"	4:20	28	5	1002	1	004
5	PL-1	1LC	C	"	4:48	"	5:20	25	8	1011	1	005
6	PL-4	1LC	C	9/29/09	8:17	9/29/09	8:50	28	9	903	1	006
7	PL-3	1LC	C	"	9:07	"	9:40	27	8	1106	1	007
8	PL-2	1LC	C	"	9:50	"	10:21	26	9	1173	1	008
9	GWT-13	1LC	C	"	10:51	"	11:21	28	8	995	1	009
10	GWT-12	1LC	C	"	11:45	"	12:45	25	8	1155	1	010
11	GWT-11	1LC	C	"	1:54	"	2:25	30	10	774	1	011
12	GWT-10	1LC	C	9/29/09	1442	"	1459		0	1300	1	sample collected over 76 min 012

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Nathaniel R Keller	10/1/09	10:00	To UPS				Y/N	Y/N	Y/N
			[signature] Pace	10/2	0904	AMB	Y	Y	N
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N
						Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Nathaniel Keller
SIGNATURE of SAMPLER: Nathaniel R Keller
DATE Signed (MM / DD / YY): 10/01/09

ORIGINAL

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1d13864

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

00510 | Page: 2 of 2

Section A Required Client Information:
Company: RMT, Inc
Address: 744 Heartland Tr
Madison, WI 53717
Email To: alyssa.sellwood@rmtinc.com
Phone: Fax: 608-831-3334
Requested Due Date/TAT:

Section B Required Project Information:
Report To: Alyssa Sellwood
Copy To:
Purchase Order No.:
Project Name: Tecumseh
Project Number: 7397.10

Section C Invoice Information:
Attention: Tom Stolzenburg
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #:

Program: ☐ UST ☐ Superfund ☐ Emmisions ☐ Clean Air Act ☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☒ Other WDNR

Location of Sampling by State: WI

Reporting Units: ug/m³ ___ mg/m³ ✓ PPBV ___ PPMV ___ Other ___

Report Level II.___ III.___ IV.___ Other___

Section D Required Client Information

AIR SAMPLE ID
One Character per box.
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	AIR SAMPLE ID	MEDIA CODE	SAMPLE TYPE G=Grab C=Composite	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE - END/GRAB DATE	COMPOSITE - END/GRAB TIME	Canister Pressure (Initial Field)	Canister Pressure (Final Field)	Summa Can Number	Method: TO-3 BTEX+TPH(ppmv)	TO-3M PPMV MEE	3C- Fixed Gas (%)	TO-14/49 VOCs	TO-15 (6k+VOCs)	TO-15 Low Level	TO-13 (PAH)	TO-4 (PCBs)	PM10	Pace Lab ID
1	GWT-9	1LC	C	9/29/09	~~331~~	9/30/09	401	29	12	748			✓							013
2	GWT-8	1LC	C	9/29/09	422	"	452	30	11	1014			✓							014
3	GWT-7	1LC	C	9/30/09	819	9/30	849	30	10	997			✓							015
4	GWT-6	"	"	"	915	"	945	25	10	909			✓							016
5	GWT-5	"	"	"	957	"	1027	30	14	1028			✓							017
6	GWT-4	"	"	"	1100	"	1130	29	11	889			✓							018
7	GWT-3	"	"	"	1144	"	1214	29	10	879			✓							019
8	GWT-2	"	"	"	1235	"	1305	30	9	1143			✓							020
9	GWT-1	"	"	"	1326	"	1356	30	11	1108			✓							021
10																				
11																				
12																				

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Nathaniel R Keller	10/1/09	1000			
				10/2/09	0904

SAMPLE CONDITIONS

	Y/N	Y/N	Y/N	
AMB	Y/N	Y/N	Y/N	Temp In °C
	Y/N	Y/N	Y/N	Received on Ice
		Y/N	Y/N	Custody Sealed Cooler
			Y/N	Samples Intact

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Nathaniel Keller
SIGNATURE of SAMPLER: Nathaniel R Keller
DATE Signed (MM/DD/YY): 10/01/09

ORIGINAL

AIR Sample Condition Upon Receipt

Pace Analytical

Client Name: RMT Project # 10113864

Courier: ☐ Fed Ex ☑ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other_____

Tracking #: 1Z 78V8A801433694 55, 1Z 78V8A801457 18981

Optional
Proj. Due Date:
Proj. Name:

Date and Initials of person examining contents: 10/2/09

Comments:

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Media: air cans		11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.

Samples Received:

Canisters		Flow Controllers		Stand Alone G		Tedlar Bags	
Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID
RD-1	1160	GWT-11	0774	GWT-1	1105		
RD-2	0922	GWT-10	1300				
RD-4	0877	GWT-9	0748				
RD-3	1002	GWT-8	1014				
PL-1	1011	GWT-7	0947				
PL-4	0903	GWT-6	0904				
PL-3	1106	GWT-5	1028				
PL-2	1173	GWT-4	0884				
GWT-13	0995	GWT-3	0879				
GWT-12	1155	GWT-2	1143				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: 7 (cans) 7 Flow controllers

Project Manager Review: _____ **Date:** 10/2/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

A106 Rev.01 (22May2009)

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October 15, 2009

Alyssa Sellwood
RMT, INC
744 Heartland Trail
Madison, WI 53717

RE: Project: 7397.10 Tecumseh
Pace Project No.: 10114045

Dear Alyssa Sellwood:
Enclosed are the analytical results for sample(s) received by the laboratory on October 06, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Colin Schuft

Colin Schuft

colin.schuft@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: 7397.10 Tecumseh
Pace Project No.: 10114045

Minnesota Certification IDs
1700 Elm Street SE, Suite 200 Minneapolis, MN 55414
Alaska Certification #: UST-078
Washington Certification #: C754
Tennessee Certification #: 02818
Pennsylvania Certification #: 68-00563
Oregon Certification #: MN200001
North Dakota Certification #: R-036
North Carolina Certification #: 530
New York Certification #: 11647
New Jersey Certification #: MN-002
Montana Certification #: MT CERT0092
Minnesota Certification #: 027-053-137
Maine Certification #: 2007029
Louisiana Certification #: LA080009
Louisiana Certification #: 03086
Kansas Certification #: E-10167
Iowa Certification #: 368
Illinois Certification #: 200011
Florida/NELAP Certification #: E87605
California Certification #: 01155CA
Arizona Certification #: AZ-0014
Wisconsin Certification #: 999407970

ACCREDITED IN ACCORDANCE WITH nelac

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SAMPLE SUMMARY

Project: 7397.10 Tecumseh
Pace Project No.: 10114045

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10114045001	**PL-6**	Air	10/05/09 10:35	10/06/09 09:19
10114045002	**PL-7**	Air	10/05/09 11:20	10/06/09 09:19
10114045003	**PL-5**	Air	10/05/09 01:00	10/06/09 09:19
10114045004	**PL-9**	Air	10/05/09 01:45	10/06/09 09:19
10114045005	**PL-8**	Air	10/05/09 02:27	10/06/09 09:19

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SAMPLE ANALYTE COUNT

Project: 7397.10 Tecumseh
Pace Project No.: 10114045

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10114045001	**PL-6**	TO-14 Ambient Air	AEP, LCW	39
10114045002	**PL-7**	TO-14 Ambient Air	AEP	39
10114045003	**PL-5**	TO-14 Ambient Air	AEP, LCW	39
10114045004	**PL-9**	TO-14 Ambient Air	AEP	39
10114045005	**PL-8**	TO-14 Ambient Air	AEP	39

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ANALYTICAL RESULTS

Project: 7397.10 Tecumseh
Pace Project No.: 10114045

Sample: PL-6 **Lab ID: 10114045001** Collected: 10/05/09 10:35 Received: 10/06/09 09:19 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	ND	ppbv	5.4	10.8		10/09/09 06:17	71-43-2	
Bromomethane	ND	ppbv	5.4	10.8		10/09/09 06:17	74-83-9	
Carbon tetrachloride	ND	ppbv	5.4	10.8		10/09/09 06:17	56-23-5	
Chlorobenzene	ND	ppbv	5.4	10.8		10/09/09 06:17	108-90-7	
Chloroethane	ND	ppbv	5.4	10.8		10/09/09 06:17	75-00-3	
Chloroform	ND	ppbv	5.4	10.8		10/09/09 06:17	67-66-3	
Chloromethane	ND	ppbv	5.4	10.8		10/09/09 06:17	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	5.4	10.8		10/09/09 06:17	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	5.4	10.8		10/09/09 06:17	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	5.4	10.8		10/09/09 06:17	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	5.4	10.8		10/09/09 06:17	106-46-7	
Dichlorodifluoromethane	ND	ppbv	5.4	10.8		10/09/09 06:17	75-71-8	
1,1-Dichloroethane	**454**	ppbv	5.4	10.8		10/09/09 06:17	75-34-3	E
1,2-Dichloroethane	ND	ppbv	5.4	10.8		10/09/09 06:17	107-06-2	
1,1-Dichloroethene	**5880**	ppbv	691	1382.4		10/09/09 15:27	75-35-4	A3
cis-1,2-Dichloroethene	ND	ppbv	5.4	10.8		10/09/09 06:17	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	5.4	10.8		10/09/09 06:17	156-60-5	
1,2-Dichloropropane	ND	ppbv	5.4	10.8		10/09/09 06:17	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	5.4	10.8		10/09/09 06:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	5.4	10.8		10/09/09 06:17	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	5.4	10.8		10/09/09 06:17	76-14-2	
Ethylbenzene	ND	ppbv	5.4	10.8		10/09/09 06:17	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	5.4	10.8		10/09/09 06:17	87-68-3	
Methylene Chloride	ND	ppbv	5.4	10.8		10/09/09 06:17	75-09-2	
Styrene	ND	ppbv	5.4	10.8		10/09/09 06:17	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	5.4	10.8		10/09/09 06:17	79-34-5	
Tetrachloroethene	ND	ppbv	5.4	10.8		10/09/09 06:17	127-18-4	
Toluene	**11.5**	ppbv	5.4	10.8		10/09/09 06:17	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	5.4	10.8		10/09/09 06:17	120-82-1	
1,1,1-Trichloroethane	**18400**	ppbv	691	1382.4		10/09/09 15:27	71-55-6	A3
1,1,2-Trichloroethane	ND	ppbv	5.4	10.8		10/09/09 06:17	79-00-5	
Trichloroethene	**57.1**	ppbv	5.4	10.8		10/09/09 06:17	79-01-6	
Trichlorofluoromethane	ND	ppbv	5.4	10.8		10/09/09 06:17	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	5.4	10.8		10/09/09 06:17	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	5.4	10.8		10/09/09 06:17	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	5.4	10.8		10/09/09 06:17	108-67-8	
Vinyl chloride	ND	ppbv	5.4	10.8		10/09/09 06:17	75-01-4	
m&p-Xylene	ND	ppbv	10.8	10.8		10/09/09 06:17	1330-20-7	
o-Xylene	ND	ppbv	5.4	10.8		10/09/09 06:17	95-47-6	

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ANALYTICAL RESULTS

Project: 7397.10 Tecumseh
Pace Project No.: 10114045

Sample: PL-7 **Lab ID: 10114045002** Collected: 10/05/09 11:20 Received: 10/06/09 09:19 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	ND	ppbv	755	1510.4		10/09/09 06:46	71-43-2	
Bromomethane	ND	ppbv	755	1510.4		10/09/09 06:46	74-83-9	
Carbon tetrachloride	ND	ppbv	755	1510.4		10/09/09 06:46	56-23-5	
Chlorobenzene	ND	ppbv	755	1510.4		10/09/09 06:46	108-90-7	
Chloroethane	ND	ppbv	755	1510.4		10/09/09 06:46	75-00-3	
Chloroform	ND	ppbv	755	1510.4		10/09/09 06:46	67-66-3	
Chloromethane	ND	ppbv	755	1510.4		10/09/09 06:46	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	755	1510.4		10/09/09 06:46	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	755	1510.4		10/09/09 06:46	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	755	1510.4		10/09/09 06:46	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	755	1510.4		10/09/09 06:46	106-46-7	
Dichlorodifluoromethane	ND	ppbv	755	1510.4		10/09/09 06:46	75-71-8	
1,1-Dichloroethane	**9040**	ppbv	755	1510.4		10/09/09 06:46	75-34-3	
1,2-Dichloroethane	ND	ppbv	755	1510.4		10/09/09 06:46	107-06-2	
1,1-Dichloroethene	**25800**	ppbv	755	1510.4		10/09/09 06:46	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	755	1510.4		10/09/09 06:46	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	755	1510.4		10/09/09 06:46	156-60-5	
1,2-Dichloropropane	ND	ppbv	755	1510.4		10/09/09 06:46	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	755	1510.4		10/09/09 06:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	755	1510.4		10/09/09 06:46	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	755	1510.4		10/09/09 06:46	76-14-2	
Ethylbenzene	ND	ppbv	755	1510.4		10/09/09 06:46	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	755	1510.4		10/09/09 06:46	87-68-3	
Methylene Chloride	ND	ppbv	755	1510.4		10/09/09 06:46	75-09-2	
Styrene	ND	ppbv	755	1510.4		10/09/09 06:46	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	755	1510.4		10/09/09 06:46	79-34-5	
Tetrachloroethene	ND	ppbv	755	1510.4		10/09/09 06:46	127-18-4	
Toluene	ND	ppbv	755	1510.4		10/09/09 06:46	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	755	1510.4		10/09/09 06:46	120-82-1	
1,1,1-Trichloroethane	**74300**	ppbv	755	1510.4		10/09/09 06:46	71-55-6	E
1,1,2-Trichloroethane	ND	ppbv	755	1510.4		10/09/09 06:46	79-00-5	
Trichloroethene	ND	ppbv	755	1510.4		10/09/09 06:46	79-01-6	
Trichlorofluoromethane	ND	ppbv	755	1510.4		10/09/09 06:46	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	755	1510.4		10/09/09 06:46	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	755	1510.4		10/09/09 06:46	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	755	1510.4		10/09/09 06:46	108-67-8	
Vinyl chloride	ND	ppbv	755	1510.4		10/09/09 06:46	75-01-4	
m&p-Xylene	ND	ppbv	1510	1510.4		10/09/09 06:46	1330-20-7	
o-Xylene	ND	ppbv	755	1510.4		10/09/09 06:46	95-47-6	

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ANALYTICAL RESULTS

Project: 7397.10 Tecumseh
Pace Project No.: 10114045

Sample: PL-5 **Lab ID: 10114045003** Collected: 10/05/09 01:00 Received: 10/06/09 09:19 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	ND	ppbv	5.6	11.3		10/09/09 01:35	71-43-2	
Bromomethane	ND	ppbv	5.6	11.3		10/09/09 01:35	74-83-9	
Carbon tetrachloride	ND	ppbv	5.6	11.3		10/09/09 01:35	56-23-5	
Chlorobenzene	ND	ppbv	5.6	11.3		10/09/09 01:35	108-90-7	
Chloroethane	ND	ppbv	5.6	11.3		10/09/09 01:35	75-00-3	
Chloroform	ND	ppbv	5.6	11.3		10/09/09 01:35	67-66-3	
Chloromethane	ND	ppbv	5.6	11.3		10/09/09 01:35	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	5.6	11.3		10/09/09 01:35	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	5.6	11.3		10/09/09 01:35	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	5.6	11.3		10/09/09 01:35	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	5.6	11.3		10/09/09 01:35	106-46-7	
Dichlorodifluoromethane	ND	ppbv	5.6	11.3		10/09/09 01:35	75-71-8	
1,1-Dichloroethane	**7.7**	ppbv	5.6	11.3		10/09/09 01:35	75-34-3	
1,2-Dichloroethane	ND	ppbv	5.6	11.3		10/09/09 01:35	107-06-2	
1,1-Dichloroethene	**87.6**	ppbv	5.6	11.3		10/09/09 01:35	75-35-4	
cis-1,2-Dichloroethene	**5.6**	ppbv	5.6	11.3		10/09/09 01:35	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	5.6	11.3		10/09/09 01:35	156-60-5	
1,2-Dichloropropane	ND	ppbv	5.6	11.3		10/09/09 01:35	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	5.6	11.3		10/09/09 01:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	5.6	11.3		10/09/09 01:35	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	5.6	11.3		10/09/09 01:35	76-14-2	
Ethylbenzene	ND	ppbv	5.6	11.3		10/09/09 01:35	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	5.6	11.3		10/09/09 01:35	87-68-3	
Methylene Chloride	**22.1**	ppbv	5.6	11.3		10/09/09 01:35	75-09-2	
Styrene	ND	ppbv	5.6	11.3		10/09/09 01:35	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	5.6	11.3		10/09/09 01:35	79-34-5	
Tetrachloroethene	ND	ppbv	5.6	11.3		10/09/09 01:35	127-18-4	
Toluene	ND	ppbv	5.6	11.3		10/09/09 01:35	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	5.6	11.3		10/09/09 01:35	120-82-1	
1,1,1-Trichloroethane	**460**	ppbv	90.4	180.8		10/09/09 15:57	71-55-6	A3
1,1,2-Trichloroethane	ND	ppbv	5.6	11.3		10/09/09 01:35	79-00-5	
Trichloroethene	**189**	ppbv	5.6	11.3		10/09/09 01:35	79-01-6	
Trichlorofluoromethane	**9.7**	ppbv	5.6	11.3		10/09/09 01:35	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	5.6	11.3		10/09/09 01:35	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	5.6	11.3		10/09/09 01:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	5.6	11.3		10/09/09 01:35	108-67-8	
Vinyl chloride	ND	ppbv	5.6	11.3		10/09/09 01:35	75-01-4	
m&p-Xylene	ND	ppbv	11.3	11.3		10/09/09 01:35	1330-20-7	
o-Xylene	ND	ppbv	5.6	11.3		10/09/09 01:35	95-47-6	

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ANALYTICAL RESULTS

Project: 7397.10 Tecumseh
Pace Project No.: 10114045

Sample: PL-9 **Lab ID: 10114045004** Collected: 10/05/09 01:45 Received: 10/06/09 09:19 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	ND	ppbv	723	1446.4		10/09/09 07:16	71-43-2	
Bromomethane	ND	ppbv	723	1446.4		10/09/09 07:16	74-83-9	
Carbon tetrachloride	ND	ppbv	723	1446.4		10/09/09 07:16	56-23-5	
Chlorobenzene	ND	ppbv	723	1446.4		10/09/09 07:16	108-90-7	
Chloroethane	ND	ppbv	723	1446.4		10/09/09 07:16	75-00-3	
Chloroform	ND	ppbv	723	1446.4		10/09/09 07:16	67-66-3	
Chloromethane	ND	ppbv	723	1446.4		10/09/09 07:16	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	723	1446.4		10/09/09 07:16	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	723	1446.4		10/09/09 07:16	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	723	1446.4		10/09/09 07:16	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	723	1446.4		10/09/09 07:16	106-46-7	
Dichlorodifluoromethane	ND	ppbv	723	1446.4		10/09/09 07:16	75-71-8	
1,1-Dichloroethane	**13300**	ppbv	723	1446.4		10/09/09 07:16	75-34-3	
1,2-Dichloroethane	ND	ppbv	723	1446.4		10/09/09 07:16	107-06-2	
1,1-Dichloroethene	**7990**	ppbv	723	1446.4		10/09/09 07:16	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	723	1446.4		10/09/09 07:16	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	723	1446.4		10/09/09 07:16	156-60-5	
1,2-Dichloropropane	ND	ppbv	723	1446.4		10/09/09 07:16	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	723	1446.4		10/09/09 07:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	723	1446.4		10/09/09 07:16	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	723	1446.4		10/09/09 07:16	76-14-2	
Ethylbenzene	ND	ppbv	723	1446.4		10/09/09 07:16	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	723	1446.4		10/09/09 07:16	87-68-3	
Methylene Chloride	ND	ppbv	723	1446.4		10/09/09 07:16	75-09-2	
Styrene	ND	ppbv	723	1446.4		10/09/09 07:16	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	723	1446.4		10/09/09 07:16	79-34-5	
Tetrachloroethene	ND	ppbv	723	1446.4		10/09/09 07:16	127-18-4	
Toluene	ND	ppbv	723	1446.4		10/09/09 07:16	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	723	1446.4		10/09/09 07:16	120-82-1	
1,1,1-Trichloroethane	**11600**	ppbv	723	1446.4		10/09/09 07:16	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	723	1446.4		10/09/09 07:16	79-00-5	
Trichloroethene	ND	ppbv	723	1446.4		10/09/09 07:16	79-01-6	
Trichlorofluoromethane	ND	ppbv	723	1446.4		10/09/09 07:16	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	723	1446.4		10/09/09 07:16	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	723	1446.4		10/09/09 07:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	723	1446.4		10/09/09 07:16	108-67-8	
Vinyl chloride	ND	ppbv	723	1446.4		10/09/09 07:16	75-01-4	
m&p-Xylene	ND	ppbv	1450	1446.4		10/09/09 07:16	1330-20-7	
o-Xylene	ND	ppbv	723	1446.4		10/09/09 07:16	95-47-6	

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ANALYTICAL RESULTS

Project: 7397.10 Tecumseh
Pace Project No.: 10114045

Sample: PL-8 **Lab ID: 10114045005** Collected: 10/05/09 02:27 Received: 10/06/09 09:19 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Ambient	Analytical Method: TO-14 Ambient Air							
Benzene	ND	ppbv	6.2	12.35		10/09/09 02:35	71-43-2	
Bromomethane	ND	ppbv	6.2	12.35		10/09/09 02:35	74-83-9	
Carbon tetrachloride	ND	ppbv	6.2	12.35		10/09/09 02:35	56-23-5	
Chlorobenzene	ND	ppbv	6.2	12.35		10/09/09 02:35	108-90-7	
Chloroethane	ND	ppbv	6.2	12.35		10/09/09 02:35	75-00-3	
Chloroform	ND	ppbv	6.2	12.35		10/09/09 02:35	67-66-3	
Chloromethane	ND	ppbv	6.2	12.35		10/09/09 02:35	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppbv	6.2	12.35		10/09/09 02:35	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	6.2	12.35		10/09/09 02:35	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	6.2	12.35		10/09/09 02:35	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	6.2	12.35		10/09/09 02:35	106-46-7	
Dichlorodifluoromethane	ND	ppbv	6.2	12.35		10/09/09 02:35	75-71-8	
1,1-Dichloroethane	**37.6**	ppbv	6.2	12.35		10/09/09 02:35	75-34-3	
1,2-Dichloroethane	ND	ppbv	6.2	12.35		10/09/09 02:35	107-06-2	
1,1-Dichloroethene	**51.7**	ppbv	6.2	12.35		10/09/09 02:35	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	6.2	12.35		10/09/09 02:35	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	6.2	12.35		10/09/09 02:35	156-60-5	
1,2-Dichloropropane	ND	ppbv	6.2	12.35		10/09/09 02:35	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	6.2	12.35		10/09/09 02:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	6.2	12.35		10/09/09 02:35	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	6.2	12.35		10/09/09 02:35	76-14-2	
Ethylbenzene	ND	ppbv	6.2	12.35		10/09/09 02:35	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	6.2	12.35		10/09/09 02:35	87-68-3	
Methylene Chloride	**931**	ppbv	6.2	12.35		10/09/09 02:35	75-09-2	E
Styrene	ND	ppbv	6.2	12.35		10/09/09 02:35	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	6.2	12.35		10/09/09 02:35	79-34-5	
Tetrachloroethene	ND	ppbv	6.2	12.35		10/09/09 02:35	127-18-4	
Toluene	ND	ppbv	6.2	12.35		10/09/09 02:35	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	6.2	12.35		10/09/09 02:35	120-82-1	
1,1,1-Trichloroethane	**144**	ppbv	6.2	12.35		10/09/09 02:35	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	6.2	12.35		10/09/09 02:35	79-00-5	
Trichloroethene	ND	ppbv	6.2	12.35		10/09/09 02:35	79-01-6	
Trichlorofluoromethane	ND	ppbv	6.2	12.35		10/09/09 02:35	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	6.2	12.35		10/09/09 02:35	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	6.2	12.35		10/09/09 02:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	6.2	12.35		10/09/09 02:35	108-67-8	
Vinyl chloride	ND	ppbv	6.2	12.35		10/09/09 02:35	75-01-4	
m&p-Xylene	ND	ppbv	12.4	12.35		10/09/09 02:35	1330-20-7	
o-Xylene	ND	ppbv	6.2	12.35		10/09/09 02:35	95-47-6	

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QUALITY CONTROL DATA

Project: 7397.10 Tecumseh
Pace Project No.: 10114045

QC Batch: AIR/9226 Analysis Method: TO-14 Ambient Air
QC Batch Method: TO-14 Ambient Air Analysis Description: TO14 MSV AIR - AMBIENT
Associated Lab Samples: 10114045001, 10114045002, 10114045003, 10114045004, 10114045005

METHOD BLANK: 693923 Matrix: Air
Associated Lab Samples: 10114045001, 10114045002, 10114045003, 10114045004, 10114045005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ppbv	ND	0.50	10/08/09 18:31	
1,1,2,2-Tetrachloroethane	ppbv	ND	0.50	10/08/09 18:31	
1,1,2-Trichloroethane	ppbv	ND	0.50	10/08/09 18:31	
1,1,2-Trichlorotrifluoroethane	ppbv	ND	0.50	10/08/09 18:31	
1,1-Dichloroethane	ppbv	ND	0.50	10/08/09 18:31	
1,1-Dichloroethene	ppbv	ND	0.50	10/08/09 18:31	
1,2,4-Trichlorobenzene	ppbv	ND	0.50	10/08/09 18:31	
1,2,4-Trimethylbenzene	ppbv	ND	0.50	10/08/09 18:31	
1,2-Dibromoethane (EDB)	ppbv	ND	0.50	10/08/09 18:31	
1,2-Dichlorobenzene	ppbv	ND	0.50	10/08/09 18:31	
1,2-Dichloroethane	ppbv	ND	0.50	10/08/09 18:31	
1,2-Dichloropropane	ppbv	ND	0.50	10/08/09 18:31	
1,3,5-Trimethylbenzene	ppbv	ND	0.50	10/08/09 18:31	
1,3-Dichlorobenzene	ppbv	ND	0.50	10/08/09 18:31	
1,4-Dichlorobenzene	ppbv	ND	0.50	10/08/09 18:31	
Benzene	ppbv	ND	0.50	10/08/09 18:31	
Bromomethane	ppbv	ND	0.50	10/08/09 18:31	
Carbon tetrachloride	ppbv	ND	0.50	10/08/09 18:31	
Chlorobenzene	ppbv	ND	0.50	10/08/09 18:31	
Chloroethane	ppbv	ND	0.50	10/08/09 18:31	
Chloroform	ppbv	ND	0.50	10/08/09 18:31	
Chloromethane	ppbv	ND	0.50	10/08/09 18:31	
cis-1,2-Dichloroethene	ppbv	ND	0.50	10/08/09 18:31	
cis-1,3-Dichloropropene	ppbv	ND	0.50	10/08/09 18:31	
Dichlorodifluoromethane	ppbv	ND	0.50	10/08/09 18:31	
Dichlorotetrafluoroethane	ppbv	ND	0.50	10/08/09 18:31	
Ethylbenzene	ppbv	ND	0.50	10/08/09 18:31	
Hexachloro-1,3-butadiene	ppbv	ND	0.50	10/08/09 18:31	
m&p-Xylene	ppbv	ND	1.0	10/08/09 18:31	
Methylene Chloride	ppbv	ND	0.50	10/08/09 18:31	
o-Xylene	ppbv	ND	0.50	10/08/09 18:31	
Styrene	ppbv	ND	0.50	10/08/09 18:31	
Tetrachloroethene	ppbv	ND	0.50	10/08/09 18:31	
Toluene	ppbv	ND	0.50	10/08/09 18:31	
trans-1,2-Dichloroethene	ppbv	ND	0.50	10/08/09 18:31	
trans-1,3-Dichloropropene	ppbv	ND	0.50	10/08/09 18:31	
Trichloroethene	ppbv	ND	0.50	10/08/09 18:31	
Trichlorofluoromethane	ppbv	ND	0.50	10/08/09 18:31	
Vinyl chloride	ppbv	ND	0.50	10/08/09 18:31	

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QUALITY CONTROL DATA

Project: 7397.10 Tecumseh
Pace Project No.: 10114045

LABORATORY CONTROL SAMPLE: 693924

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ppbv	10.3	12.3	119	67-125	
1,1,2,2-Tetrachloroethane	ppbv	10.2	13.4	132	64-129	L3
1,1,2-Trichloroethane	ppbv	10.1	11.0	109	66-125	
1,1,2-Trichlorotrifluoroethane	ppbv	9.8	7.5	77	61-129	
1,1-Dichloroethane	ppbv	10	9.0	90	61-125	
1,1-Dichloroethene	ppbv	10	10.3	103	59-127	
1,2,4-Trichlorobenzene	ppbv	9.9	9.5	96	30-150	
1,2,4-Trimethylbenzene	ppbv	9.9	11.4	115	59-147	
1,2-Dibromoethane (EDB)	ppbv	10.4	11.9	115	65-136	
1,2-Dichlorobenzene	ppbv	10.2	11.0	108	66-140	
1,2-Dichloroethane	ppbv	10.9	12.1	111	63-125	
1,2-Dichloropropane	ppbv	10.8	12.9	120	69-125	
1,3,5-Trimethylbenzene	ppbv	9.9	11.1	112	54-142	
1,3-Dichlorobenzene	ppbv	10.5	11.2	106	69-141	
1,4-Dichlorobenzene	ppbv	10.3	13.0	126	66-143	
Benzene	ppbv	10.1	11.0	109	59-125	
Bromomethane	ppbv	10.1	10.5	103	50-129	
Carbon tetrachloride	ppbv	10.1	9.9	98	54-131	
Chlorobenzene	ppbv	9.9	12.1	122	69-136	
Chloroethane	ppbv	9.9	10.2	103	64-131	
Chloroform	ppbv	9.7	10.9	112	50-125	
Chloromethane	ppbv	10	11.3	113	64-125	
cis-1,2-Dichloroethene	ppbv	10.3	10.9	106	62-125	
cis-1,3-Dichloropropene	ppbv	10.5	11.7	112	62-136	
Dichlorodifluoromethane	ppbv	9.8	7.8	79	60-125	
Dichlorotetrafluoroethane	ppbv	10	8.9	89	62-125	
Ethylbenzene	ppbv	11	14.0	127	65-137	
Hexachloro-1,3-butadiene	ppbv	9.8	10.3	105	50-150	
m&p-Xylene	ppbv	21	25.6	122	67-136	
Methylene Chloride	ppbv	9.8	7.6	78	60-130	
o-Xylene	ppbv	10.3	13.6	132	65-135	
Styrene	ppbv	10	11.1	111	66-140	
Tetrachloroethene	ppbv	10.4	11.9	114	68-127	
Toluene	ppbv	10.4	11.7	113	66-125	
trans-1,2-Dichloroethene	ppbv	10.4	10.4	100	70-130	
trans-1,3-Dichloropropene	ppbv	10.6	9.6	91	59-145	
Trichloroethene	ppbv	10.1	13.0	129	75-144	
Trichlorofluoromethane	ppbv	9.8	10.1	103	63-141	
Vinyl chloride	ppbv	10.3	10	97	67-130	

SAMPLE DUPLICATE: 694338

Parameter	Units	10114045003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ppbv	460	880	63	30	E,R1
1,1,2,2-Tetrachloroethane	ppbv	ND	ND		30	
1,1,2-Trichloroethane	ppbv	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ppbv	ND	ND		30	

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QUALITY CONTROL DATA

Project: 7397.10 Tecumseh
Pace Project No.: 10114045

SAMPLE DUPLICATE: 694338

Parameter	Units	10114045003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethane	ppbv	7.7	7.6	1	30	
1,1-Dichloroethene	ppbv	87.6	85.6	2	30	
1,2,4-Trichlorobenzene	ppbv	ND	ND		30	
1,2,4-Trimethylbenzene	ppbv	ND	ND		30	
1,2-Dibromoethane (EDB)	ppbv	ND	ND		30	
1,2-Dichlorobenzene	ppbv	ND	ND		30	
1,2-Dichloroethane	ppbv	ND	ND		30	
1,2-Dichloropropane	ppbv	ND	ND		30	
1,3,5-Trimethylbenzene	ppbv	ND	ND		30	
1,3-Dichlorobenzene	ppbv	ND	ND		30	
1,4-Dichlorobenzene	ppbv	ND	ND		30	
Benzene	ppbv	ND	ND		30	
Bromomethane	ppbv	ND	ND		30	
Carbon tetrachloride	ppbv	ND	ND		30	
Chlorobenzene	ppbv	ND	ND		30	
Chloroethane	ppbv	ND	ND		30	
Chloroform	ppbv	ND	ND		30	
Chloromethane	ppbv	ND	ND		30	
cis-1,2-Dichloroethene	ppbv	5.6	5.4J		30	
cis-1,3-Dichloropropene	ppbv	ND	ND		30	
Dichlorodifluoromethane	ppbv	ND	ND		30	
Dichlorotetrafluoroethane	ppbv	ND	ND		30	
Ethylbenzene	ppbv	ND	ND		30	
Hexachloro-1,3-butadiene	ppbv	ND	ND		30	
m&p-Xylene	ppbv	ND	ND		30	
Methylene Chloride	ppbv	22.1	21.7	2	30	
o-Xylene	ppbv	ND	ND		30	
Styrene	ppbv	ND	ND		30	
Tetrachloroethene	ppbv	ND	ND		30	
Toluene	ppbv	ND	ND		30	
trans-1,2-Dichloroethene	ppbv	ND	3.1J		30	
trans-1,3-Dichloropropene	ppbv	ND	ND		30	
Trichloroethene	ppbv	189	185	2	30	
Trichlorofluoromethane	ppbv	9.7	9.3	4	30	
Vinyl chloride	ppbv	ND	ND		30	

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QUALIFIERS

Project: 7397.10 Tecumseh
Pace Project No.: 10114045

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

U - Indicates the compound was analyzed for, but not detected.

SAMPLE QUALIFIERS

Sample: 10114045001

[1] The internal standard recoveries associated with this sample exceed the lower control limit. The reported results should be considered estimated values.

[2] Results confirmed by second analysis.

Sample: 10114045002

[1] The internal standard recoveries associated with this sample exceed the lower control limit. The reported results should be considered estimated values.

[2] Results confirmed by second analysis.

Sample: 10114045004

[1] The internal standard recoveries associated with this sample exceed the lower control limit. The reported results should be considered estimated values.

[2] Results confirmed by second analysis.

ANALYTE QUALIFIERS

A3 The sample was analyzed by serial dilution.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

R1 RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 7397.10 Tecumseh
Pace Project No.: 10114045

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10114045001	**PL-6**	TO-14 Ambient Air	AIR/9226		
10114045002	**PL-7**	TO-14 Ambient Air	AIR/9226		
10114045003	**PL-5**	TO-14 Ambient Air	AIR/9226		
10114045004	**PL-9**	TO-14 Ambient Air	AIR/9226		
10114045005	**PL-8**	TO-14 Ambient Air	AIR/9226		

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AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10114045

00326 | Page: of

Section A Required Client Information:

Company: RMT
Address: 744 Heartland Trail
Madison, WI 53717
Email To: alyssa.sellwood@rmtinc.com
Phone: 608.831.4444 Fax: 608.831.3334
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Alyssa Sellwood
Copy To: —
Purchase Order No.: —
Project Name: Tecumseh
Project Number: 7397.10

Section C Invoice Information:

Attention: Tom Stolzenburg
Company Name: RMT
Address: Same
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #:

Program
☐ UST ☐ Superfund ☐ Emmisions ☐ Clean Air Act
☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☑ Other MNK

Location of Sampling by State: WI

Reporting Units: ug/m³ ☑ mg/m³ ___ PPBV ___ PPMV ___ Other ___

Report Level II.___ III.___ IV.___ Other___

Section D Required Client Information

AIR SAMPLE ID
One Character per box.
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	AIR SAMPLE ID	MEDIA CODE	SAMPLE TYPE G=Grab C=Composite	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE - END/GRAB DATE	COLLECTED COMPOSITE - END/GRAB TIME	Canister Pressure (Initial Field)	Canister Pressure (Final Field)	Summa Can Number	Method: TO-3 BTEX +TPH(gasmv)	TO-3M PPMV MEE	3C- Fixed Gas (%)	TO-14(SB VOCs)	TO-15 (SH VOCs)	TO-15 Low Level	TO-13 (PAH)	TO-4 (PCBs)	PM10	Pace Lab ID
1	PL-6	LC	C	10/5/09	10:04	10/5/09	10:35	27	9	1151			1							10114045001
2	PL-7	LC	C	"	10:50	"	11:20	30	10	905			1							002
3	PL-5	LC	C	"	12:29	"	1:00	25	8	1013			1							003
4	PL-9	LC	C	"	1:14	"	1:45	27	8	1131			1							004
5	PL-8	LC	C	"	1:57	"	2:27	28	11	1138			1							005
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			[signature]	10-6-09	09:19

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
Acb	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Alyssa Sellwood
SIGNATURE of SAMPLER: Alyssa Sellwood
DATE Signed (MM/DD/YY): 10/05/09

LS

ORIGINAL

AIR Sample Condition Upon Receipt

Pace Analytical

Client Name: RMT Project # 10114045

Courier: ☐ Fed Ex ☒ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other_____

Tracking #: 1Z 78V 8A8 01 4381 2953

Optional
Proj. Due Date:
Proj. Name:

Date and Initials of person examining contents: 10.6.09 JL

Comments:

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☐Yes ☒No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Media: AIR (CAN)		11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.

Samples Received: 5 CANS 5 FC'S

Canisters		Flow Controllers		Stand Alone G		Tedlar Bags	
Sample Number	Can ID	Sample Number	~~Can ID~~	Sample Number	Can ID	Sample Number	Can ID
PL-6	1151		PA53				
-7	0905		PA33				
-5	1013		PA24				
-9	1131		PA59				
-8	1138		PA56				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 10/6/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)