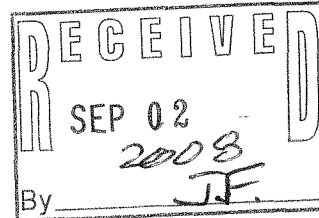


August 21, 2008

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



Subject: Tecumseh – Grafton

Dear John:

As part of the March 5, 2008, Conceptual Approval for Monitored Attenuation at Tecumseh-Grafton, Tecumseh agreed to install an additional monitoring well to the east of the former plant. In particular, the new water table well, MW-27, was to be installed along the Interurban Bike Path between the Heiser property and the former plant. Tecumseh eventually gained an access agreement with We Energies, owner of the property.

In July, a 2-inch monitoring well was installed to a depth of 13.75 feet (see Figure 1 for location – MW-27 is in the left-center of the figure). The well log and construction detail are attached. The water level was 4.72 feet below top of casing (flush-mounted well). The well was developed and then sampled using low-flow sampling methods. Attached is the laboratory report of the analysis.

The results are consistent with what was expected downgradient of the former plant in the shallow groundwater. You may recall that this well was sampled “off-cycle” from the other wells, as we awaited the access agreement. Going forward it will be sampled and reported on during the semi-annual rounds for all the monitoring wells.

As part of the access agreement with We Energies they require a copy of the results. So they are copied on this brief report.

If you have any questions, please contact me, at (608) 662-5287.

Sincerely,

RMT, Inc.

*Tom Stolzenburg*  
Tom Stolzenburg  
Project Manager

Mr. John Feeney  
Wisconsin Department of Natural Resources  
August 21, 2008  
Page 2

Attachments

cc: Jason Smith, Tecumseh  
Julie Simmons, We Energies

## Attachments



**LEGEND**

● MONITORING WELL



WORKING COPY

PROJECT:			TECUMSEH PRODUCTS COMPANY GRAFTON, WI		
SHEET TITLE:			MONITORING WELLS		
DRAWN BY:	PAPEZ J	SCALE:	AS NOTED	PROJ. NO.:	00-07397.05
CHECKED BY:		DATE PRINTED:	8/20/2008	FILE NO.:	73970506.mxd
APPROVED BY:		DATE:	AUGUST 2008	<b>FIGURE 1</b>	

**RMT**

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

RMT Field Soil Boring Log Information

RMT Project No: 7397.07

Page 1 of 1

Project Name Tecumseh MNA <i>Implementation</i>		Start Date 7/21/08	End Date 7/21/08	Boring Number MW27
Boring Drilled By Tony (On Site Environmental)		Drilling Method 4 1/4" HSA		
Drill Rig Geoprobe	Common Well Name MW27	Initial Water Level 4.74 ft bgs	Surface Elevation	Borehole Diameter 8 Inches
Boring Location State Plane 1/4 of 1/4 of Section		Easting T		Northing N,R
County Dane		State WI	DNR County Code	Civil Town/City/ or Village Crawton

Number	Length (In) Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	RQD/Comments
0-5	4'		2	(MCL) silt/clay & silty clay, low plastic, 10yr 3/2 w. dk greyish brown, no odor, moist, some organics (roots)					
			4	Silty clay w/ to. gravel, plastic, 10yr 3/6 dk yellow brown, no odor, moist					
			6	As above,					
5-10	4.5'		8	well graded sand w/ silt, 10-15% fines, mostly f-m. sand, non plastic					
			10	10yr 5/3 - 5/4 brown - yellowish brown, no odor, wet @ 16'					
			12	As Above, collapsed to 5.5'					
10-15	5'		14						
			16	FOB @ 15' bgs					

Logged By: *Michael R. Keller* 7/21/08  
 Checked By: *Tom Wood* 8/20/08

Facility/Project Name <u>Toxcon MWA</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>MW-27</u>
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>	Wis. Unique Well No. DNR Well ID No.
Facility ID	Lat. " Long. " or	Date Well Installed <u>07/21/2008</u> m m d d y y v v
Type of Well Well Code <u>MW1</u>	Section Location of Waste/Source 1/4 of 1/4 of Sec. T. N. R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Tony On Site Environmental</u>
Distance from Waste/Source ft. <input type="checkbox"/> Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number

A. Protective pipe, top elevation ----- ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation ----- ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>8.0</u> in.
C. Land surface elevation ----- ft. MSL	b. Length: <u>1.0</u> ft.
D. Surface seal, bottom ----- ft. MSL or <u>1.5</u> ft.	c. Material: <u>Flush Mount</u> Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	4. Material between well casing and protective pipe: <u>Filter Sand</u> Bentonite <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite . . . . . Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft <sup>3</sup> volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
17. Source of water (attach analysis, if required): _____	7. Fine sand material: Manufacturer, product name & mesh size a. <u>Not Added</u> b. Volume added _____ ft <sup>3</sup>
E. Bentonite seal, top ----- ft. MSL or <u>1.5</u> ft.	8. Filter pack material: Manufacturer, product name & mesh size a. <u>Ohio #5</u> b. Volume added <u>2.5</u> ft <sup>3</sup>
F. Fine sand, top ----- ft. MSL or ----- ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
G. Filter pack, top ----- ft. MSL or <u>2.5</u> ft.	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
H. Screen joint, top ----- ft. MSL or <u>3.5</u> ft.	b. Manufacturer _____ c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10.0</u> ft.
I. Well bottom ----- ft. MSL or <u>13.5</u> ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
J. Filter pack, bottom ----- ft. MSL or <u>13.75</u> ft.	
K. Borehole, bottom ----- ft. MSL or <u>13.75</u> ft.	
L. Borehole, diameter ----- <u>2.0</u> in.	
M. O.D. well casing ----- <u>2.4</u> in.	
N. I.D. well casing ----- <u>2.07</u> in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Anthony J. Keller Firm RMT, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

### ANALYTICAL RESULTS

Project: 7397.07 TECUMSEH MNA

Pace Project No.: 406717

Sample: MW-27 Lab ID: 406717001 Collected: 07/22/08 17:10 Received: 07/23/08 10:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Dissolved</b>		Analytical Method: EPA 6010							
Manganese	52.7	ug/L	5.0	0.48	1		07/24/08 15:55	7439-96-5	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.90	ug/L	3.0	0.90	1		07/25/08 12:52	71-55-6	
1,1,2,2-Tetrachloroethane	<0.20	ug/L	0.67	0.20	1		07/25/08 12:52	79-34-5	
1,1,2-Trichloroethane	<0.42	ug/L	1.4	0.42	1		07/25/08 12:52	79-00-5	
1,1-Dichloroethane	<0.75	ug/L	2.5	0.75	1		07/25/08 12:52	75-34-3	
1,1-Dichloroethene	<0.57	ug/L	1.9	0.57	1		07/25/08 12:52	75-35-4	
1,2,3-Trichlorobenzene	<0.74	ug/L	2.5	0.74	1		07/25/08 12:52	87-61-6	
1,2,4-Trichlorobenzene	<0.97	ug/L	3.2	0.97	1		07/25/08 12:52	120-82-1	
1,2,4-Trimethylbenzene	<0.97	ug/L	3.2	0.97	1		07/25/08 12:52	95-63-6	
1,2-Dibromo-3-chloropropane	<0.87	ug/L	2.9	0.87	1		07/25/08 12:52	96-12-8	
1,2-Dibromoethane (EDB)	<0.56	ug/L	1.9	0.56	1		07/25/08 12:52	106-93-4	
1,2-Dichlorobenzene	<0.83	ug/L	2.8	0.83	1		07/25/08 12:52	95-50-1	
1,2-Dichloroethane	<0.36	ug/L	1.2	0.36	1		07/25/08 12:52	107-06-2	
1,2-Dichloropropane	<0.46	ug/L	1.5	0.46	1		07/25/08 12:52	78-87-5	
1,3,5-Trimethylbenzene	<0.83	ug/L	2.8	0.83	1		07/25/08 12:52	108-67-8	
1,3-Dichlorobenzene	<0.87	ug/L	2.9	0.87	1		07/25/08 12:52	541-73-1	
1,3-Dichloropropane	<0.61	ug/L	2.0	0.61	1		07/25/08 12:52	142-28-9	
1,4-Dichlorobenzene	<0.95	ug/L	3.2	0.95	1		07/25/08 12:52	106-46-7	
2,2-Dichloropropane	<0.62	ug/L	2.1	0.62	1		07/25/08 12:52	594-20-7	
2-Chlorotoluene	<0.85	ug/L	2.8	0.85	1		07/25/08 12:52	95-49-8	
4-Chlorotoluene	<0.74	ug/L	2.5	0.74	1		07/25/08 12:52	106-43-4	
Benzene	<0.41	ug/L	1.4	0.41	1		07/25/08 12:52	71-43-2	
Bromobenzene	<0.82	ug/L	2.7	0.82	1		07/25/08 12:52	108-86-1	
Bromodichloromethane	<0.56	ug/L	1.9	0.56	1		07/25/08 12:52	75-27-4	
Carbon tetrachloride	<0.49	ug/L	1.6	0.49	1		07/25/08 12:52	56-23-5	
Chlorobenzene	<0.41	ug/L	1.4	0.41	1		07/25/08 12:52	108-90-7	
Chloroethane	<0.97	ug/L	3.2	0.97	1		07/25/08 12:52	75-00-3	
Chloroform	<0.37	ug/L	1.2	0.37	1		07/25/08 12:52	67-66-3	
Chloromethane	<0.24	ug/L	0.80	0.24	1		07/25/08 12:52	74-87-3	
Dibromochloromethane	<0.81	ug/L	2.7	0.81	1		07/25/08 12:52	124-48-1	
Dichlorodifluoromethane	<0.99	ug/L	3.3	0.99	1		07/25/08 12:52	75-71-8	
Diisopropyl ether	<0.76	ug/L	2.5	0.76	1		07/25/08 12:52	108-20-3	
Ethylbenzene	<0.54	ug/L	1.8	0.54	1		07/25/08 12:52	100-41-4	
Hexachloro-1,3-butadiene	<0.67	ug/L	2.2	0.67	1		07/25/08 12:52	87-68-3	
Isopropylbenzene (Cumene)	<0.59	ug/L	2.0	0.59	1		07/25/08 12:52	98-82-8	
Methyl-tert-butyl ether	<0.61	ug/L	2.0	0.61	1		07/25/08 12:52	1634-04-4	
Methylene Chloride	<0.43	ug/L	1.4	0.43	1		07/25/08 12:52	75-09-2	
Naphthalene	<0.74	ug/L	2.5	0.74	1		07/25/08 12:52	91-20-3	
Tetrachloroethene	<0.45	ug/L	1.5	0.45	1		07/25/08 12:52	127-18-4	
Toluene	<0.67	ug/L	2.2	0.67	1		07/25/08 12:52	108-88-3	
Trichloroethene	0.98J	ug/L	1.6	0.48	1		07/25/08 12:52	79-01-6	
Trichlorofluoromethane	<0.79	ug/L	2.6	0.79	1		07/25/08 12:52	75-69-4	
Vinyl chloride	<0.18	ug/L	0.60	0.18	1		07/25/08 12:52	75-01-4	
cis-1,2-Dichloroethene	<0.83	ug/L	2.8	0.83	1		07/25/08 12:52	156-59-2	

Date: 08/01/2008 05:29 PM

### REPORT OF LABORATORY ANALYSIS

Page 11 of 24

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without the written consent of Pace Analytical Services, Inc..



### ANALYTICAL RESULTS

Project: 7397.07 TECUMSEH MNA  
Pace Project No.: 406717

Sample: MW-27	Lab ID: 406717001	Collected: 07/22/08 17:10	Received: 07/23/08 10:15	Matrix: Water					
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260								
m&p-Xylene	<1.8	ug/L	6.0	1.8	1		07/25/08 12:52	1330-20-7	
n-Butylbenzene	<0.93	ug/L	3.1	0.93	1		07/25/08 12:52	104-51-8	
n-Propylbenzene	<0.81	ug/L	2.7	0.81	1		07/25/08 12:52	103-65-1	
o-Xylene	<0.83	ug/L	2.8	0.83	1		07/25/08 12:52	95-47-6	
p-Isopropyltoluene	<0.67	ug/L	2.2	0.67	1		07/25/08 12:52	99-87-6	
sec-Butylbenzene	<0.89	ug/L	3.0	0.89	1		07/25/08 12:52	135-98-8	
tert-Butylbenzene	<0.97	ug/L	3.2	0.97	1		07/25/08 12:52	98-06-6	
trans-1,2-Dichloroethene	<0.89	ug/L	3.0	0.89	1		07/25/08 12:52	156-60-5	
4-Bromofluorobenzene (S)	98	%	64-132		1		07/25/08 12:52	460-00-4	
Dibromofluoromethane (S)	98	%	68-122		1		07/25/08 12:52	1868-53-7	
Toluene-d8 (S)	102	%	73-127		1		07/25/08 12:52	2037-26-5	
<b>Iron, Ferrous</b>	Analytical Method: HACH 8146								
Iron, Ferrous	<0.026	mg/L	0.050	0.026	1		07/24/08 10:00		H6,M0
<b>300.0 IC Anions 28 Days,Diss</b>	Analytical Method: EPA 300.0								
Chloride	4.0J	mg/L	5.0	1.1	1		07/23/08 18:19	16887-00-6	M0
Sulfate	14.1	mg/L	4.0	0.51	1		07/23/08 18:19	14808-79-8	B
<b>300.0 IC Anions, Dissolved</b>	Analytical Method: EPA 300.0								
Nitrate as N	0.18J	mg/L	0.40	0.085	1		07/23/08 18:19	14797-55-8	M0
<b>5310C TOC</b>	Analytical Method: SM 5310C								
Total Organic Carbon	<1.4	mg/L	2.0	1.4	1		07/29/08 13:15	7440-44-0	



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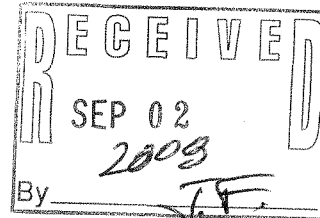
RMT



• ENVIRONMENT • ENERGY • ENGINEERING

August 22, 2008

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



Subject: Tecumseh – Grafton

Dear John:

As part of the March 5, 2008, Conceptual Approval for Monitored Attenuation at Tecumseh-Grafton, Tecumseh agreed to further investigate off-site vapor intrusion issues downgradient of the former plant. In particular, this consisted of the installation and sampling of gas-sampling wells along Green Bay Road near the Heiser property.

Gas sampling wells were installed and sampled in July as planned. Soil gas sampling locations installed for this sampling event (SV-2 through SV-7) are shown on the attached Figure 1. (SV-1 was installed and sampled in November 2003. As documented in a letter dated February 10, 2004, no detectable concentrations of chlorinated VOCs were reported in either soil gas or shallow groundwater at this location.) Bedrock was encountered at shallow depths at all locations (well logs are attached). In fact, at one planned location, SV-2, bedrock was encountered within 2 feet of ground surface, so no sampling point was installed. A total of 4 locations were sampled as the property owner removed the sampling port at SV-7 before it could be sampled.

At each soil gas sampling location a separate boring was used to log the boring (boring logs attached). That boring was then abandoned with bentonite. A second boring was then advanced, and a 6-inch stainless steel screen was installed, connected to 3/8-inch HDPE tubing extending to the surface. The annular space surrounding the screen was filled with filter pack and the annular space around the tubing was filled with bentonite, which was then hydrated to form a seal. Dead air was removed from the tubing with a peristaltic pump and then an evacuated Summa canister (with a regulator) was attached to collect a sample. The canisters were left open until filled, except for SV-4, which was closed after 4 hours (the formation was tight).

The laboratory report is attached to this letter. The results of the soil gas samples showed no evidence of impact from the constituents of concern in the groundwater plume emanating from the former plant. Instead, low levels of a mixture of VOCs were observed, including, in various locations, ketones, some petroleum-related constituents, and miscellaneous VOCs typical for an urban

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Mr. John Feeney  
Wisconsin Department of Natural Resources  
August 22, 2008  
Page 2

environment. The chlorinated solvents related to the groundwater plume were not found. In particular, the nearest monitoring well, MW-27, which is directly upgradient of the soil gas sampling points and directly downgradient of the former plant, contained none of the constituents detected along Green Bay Road in the soil gas samples (laboratory report attached).

As a result of these findings, no additional vapor intrusion investigative work is planned. If you have any questions, please contact me at 608-662-5287.

Sincerely,  
RMT, Inc.

*Tom Stolzenburg*

Tom Stolzenburg  
Project Manager

Attachments

cc: Jason Smith, Tecumseh

0.98 J  
PP b  
TCE  
@ MW27

## Attachments



**LEGEND**

- MONITORING WELL
- SOIL GAS SAMPLING LOCATION
- FORMER PRIVATE WELL
- WELL MW-27



1" = 200'  
1:2,400

WORKING COPY

PROJECT:		<b>TECUMSEH PRODUCTS COMPANY GRAFTON, WI</b>	
SHEET TITLE:		<b>SOIL GAS SAMPLING LOCATIONS</b>	
DRAWN BY:	PAPEZ J	SCALE:	AS NOTED
CHECKED BY:		PROJ. NO.:	00-07397.05
APPROVED BY:		FILE NO.:	73970505.mxd
DATE:	AUGUST 2008	DATE PRINTED:	8/21/2008
		<b>FIGURE 1</b>	



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

RMT Field Soil Boring Log Information

RMT Project No: 7397.09

Page 1 of 1

Project Name Recurve Offsite Vapor Int.		Start Date 7/22/08	End Date 7/22/08	Boring Number SV-2
Boring Drilled By Greg Kitson (Kitson Emission)		Drilling Method Geoprobe		
Drill Rig Earth probe	Common Well Name 200	Initial Water Level	Surface Elevation	Borehole Diameter 2" Inches
Boring Location State Plane		Easting		Northing
1/4 of	1/4 of Section	T	N.R.	
County Ozaukee		State WI	DNR County Code	Civil Town/City/Village Glanton

Number	Length (In) Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	RQD/Comments
			0	Silty Clay plastic, v. dk brown, no odor					
	15'		1	Silty sand & gravel, non plastic, yellowish brown, no odor, dry (fill)					
			2	EOB refusal					
			4	- Move over 5ft → refusal @ 1.25 ft - Move 2 ft → refusal @ 1.75 ft - Move 10ft across walk → refusal @ 1.5ft - Move 15ft → refusal @ 1 ft					
			6	Dug holes took pictures, looks like rock					
			8	Ozaukee excavating stopped by confirmed rock is shallow in area					
			10	No sample collected					
			12						

Logged By:

*John R Keller*

Checked By:

*John Keller 8/20/08*

RMT Project No: 7397.09

Page 1 of 1

Project Name Recuseh Offsite Vapor Int.		Start Date 7/22/08	End Date 7/22/08	Boring Number SV-3
Boring Drilled By Greg Kitson (Kitson Environ.)		Drilling Method Geoprobe		
Drill Rig Earth probe	Common Well Name 200	Initial Water Level	Surface Elevation	Borehole Diameter 2" Inches
Boring Location State Plane		Easting		Northing
1/4 of		1/4 of Section	T	N,R
County Ozaukee		State WI	DNR County Code	Civil Town/City/Village Grafton

Number	Length (In) Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	ROD/Comments
			0	Clay w/sand, plastic, 7.54 3/2 dk brown, no odor, moist, stiff					
			2	Silty clay w/ gravel, f-m. gravel 10-20% phs fiz, 10gr 4/4 dk yellowish brown, no odor, moist					
			4	Silty sand w/gravel, non plastic 10gr 5/4, no odor, moist, wet area					
			6	@ 5 ft maybe sand content is Refusal @ 6 ft higher					
			8	Tried 3 other locations w/ no luck put in sample point @ 4'					
			10	Started sample - 1503 Finished sample - 1540					
			12						

Logged By: *John R Keller*

Checked By: *Carl Ansell* 8/20/08

RMT Project No: 7397.09

Page 1 of 1

Project Name Recuseh Offside Vapor Int.		Start Date 7/22/08	End Date 7/22/08	Boring Number SV-4
Boring Drilled By Greg Kitson (Kitson Environ.)		Drilling Method Geoprobe		
Drill Rig Earth probe	Common Well Name 200	Initial Water Level	Surface Elevation	Borehole Diameter 2" Inches
Boring Location State Plane Easting Northing		Local Grid Location (if applicable)		
1/4 of	1/4 of Section	T	N,R	<input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W
County O zaukee	State WI	DNR County Code	Civil Town/City/ or Village Grafton	

Number	Length (In) Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	ROD/Comments
			0	(CL) Clay w/ sand & gravel, non plastic					
	3.75		2	10yr 3/3 dk brown, no odor, moist As above color to 3X v. dk grey to black					
			4	(CL) Silty clay, plastic, 7.5, 3/4 dk brown no odor, moist med. stiff					
	4'			Clay w/ sand & gravel 10-20% sand & gravel plastic, 10yr 5/4 yellowish brown, no odor moist					
			6	Silty sand w/ gravel, non plastic, brown to yellowish brown, no odor, moist					
			8	As Above					
	10		10	Refusal Rock chips in tip Large Rock or Bedrock??					
			12	Sample tip @ 7' Start Sampling 12:00 End " 16:15					

Logged By: *John R Keller*

Checked By: *Ed O'Connell* 8/20/08

RMT Project No: 7397.09

Page 1 of 1

Project Name Recuseh Offsite Vapor Int.		Start Date 7/22/08	End Date 7/22/08	Boring Number SV-5
Boring Drilled By Greg Kitson (Kitson Environ.)		Drilling Method Geoprobe		
Drill Rig Earth probe	Common Well Name 200	Initial Water Level	Surface Elevation	Borehole Diameter 2" Inches
Boring Location State Plane		Easting		Northing
1/4 of	1/4 of Section	T	N,R	
County Ozaukee		State WI	DNR County Code	Civil Town/City/ or Village Grafton

Number	Length (In) Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	RQD/	Comments
			0	Clayey silt, plastic, v. dk brown, no odor, moist						
	4'		2	Silty sand, poorly graded, non plastic, 10 yr 5/6 yellowish brown, moist wet @ 12ft @ 3ft (perched??)						
			4	Sandy clay 20-30% f-m. sand, 10yr 6/4 lt yellowish brown, no odor, moist						
	1.75'		6	TIP @ 6 is wet Refusal. Sndier layers?						
			8	Moved 8 ft retrieved, same lithology & Refusal						
			10	Set sample point @ 4'						
				Started sample @ 1444						
				Finished " @ 15 50						
			12							

Logged By: *Shirley R Keller*

Checked By: *Ed Creel 8/20/08*



RMT Project No: 7397.09

Page 1 of 1

Project Name Tencurek Offsite Vapor Int.		Start Date 7/22/08	End Date 7/22/08	Boring Number SU-6
Boring Drilled By Greg Kitson (Kitson Emission)		Drilling Method Geoprobe		
Drill Rig Earth probe	Common Well Name 200	Initial Water Level	Surface Elevation	Borehole Diameter 2" Inches
Boring Location State Plane		Easting		Northing
1/4 of		1/4 of Section	T	N.R
County Ozaukee		State WI	DNR County Code	Civil Town/City/ or Village Grafton

Number	Length (In) Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	ROD/Comments
			0	Clayey silt w/ sand, st plastic, black to dk brown, no odor, moist					
			2	Poorly graded sand, non plastic, brown, no odor, moist (fill)					
	4'		2	(Comp) Silty Clay / Clayey Silt, plastic, black to dk brown, no odor, moist, organic (roots) in top					
			4	Silty Sand ~30-40% fines, fine sand non plastic, brown, nodular, moist					
	3.75'		4	Silty Sand w/ clay & gravel, st plastic, brown no odor, moist					
			6	As above, sandier layer @ 6.5 is wet					
			8	EAB Refusal @ 8 ft					
				- Set gas sampling point @ 4-4.5 ft					
			10	- Start Canister @ 14' 8"					
				- Stop Canister @ 15' 8"					
			12						

Logged By: *John R Keller* Checked By: *Jeff Small 8/20/08*

RMT Field Soil Boring Log Information

RMT Project No: 7397.09

Page 1 of 1

Project Name Recuseh Offsite Vapor Int.		Start Date 7/22/08	End Date 7/22/08	Boring Number SV-7
Boring Drilled By Greg Kitson (Kitson Emission)		Drilling Method Geoprobe		
Drill Rig Earth probe	Common Well Name 200	Initial Water Level	Surface Elevation	Borehole Diameter 2" Inches
Boring Location State Plane		Easting		Local Grid Location (If applicable)
1/4 of		1/4 of Section		T N R
County Ozaukee		State WI	DNR County Code	Civil Town/City/Village Grafton

Number	Length (In) Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	ROD/Comments
	4'		0	(ML) Clayey Silt w/ sand, non plastic, 10yr 3/2 v. dk. greyish brown, no odor, wet, organic					
			4	(CL) Sandy Clay w/ gravel, plastic, 10yr 5/3 - 5/4 brown - yellowish brown					
			4	Some sandier layers @ 3.5 to 5 ft wet in these locations (paved water?) As Above					
	4'		6						
			8						
	2.5		10	(SP) Poorly graded sand/silt ~ 10-20% fines non plastic, 10yr 5/3 brown, no odor moist					
				Refusal @ 11 ft - tip of probe wet					
			12	Put in Sample Point @ 4.5 ft bgs pulled before sampled					

Logged By:

John R Keller

Checked By:

Tom Ormrod 8/20/08

## ANALYTICAL RESULTS

Project: 7397.09 Tecumseh off-site VI  
Pace Project No.: 1077667

Sample: SV-3 #720		Lab ID: 1077667001	Collected: 07/22/08 15:40	Received: 07/25/08 09:50	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15						
Acetone	10.8	ppbv	0.76	1.38		08/04/08 23:54	67-64-1	
Benzene	ND	ppbv	0.72	1.38		08/04/08 23:54	71-43-2	
Bromodichloromethane	ND	ppbv	0.70	1.38		08/04/08 23:54	75-27-4	
Bromoform	ND	ppbv	0.72	1.38		08/04/08 23:54	75-25-2	
Bromomethane	ND	ppbv	0.70	1.38		08/04/08 23:54	74-83-9	
1,3-Butadiene	ND	ppbv	0.72	1.38		08/04/08 23:54	106-99-0	
2-Butanone (MEK)	3.2	ppbv	0.76	1.38		08/04/08 23:54	78-93-3	
Carbon disulfide	ND	ppbv	0.69	1.38		08/04/08 23:54	75-15-0	
Carbon tetrachloride	ND	ppbv	0.70	1.38		08/04/08 23:54	56-23-5	
Chlorobenzene	ND	ppbv	0.72	1.38		08/04/08 23:54	108-90-7	
Chloroethane	ND	ppbv	0.70	1.38		08/04/08 23:54	75-00-3	
Chloroform	ND	ppbv	0.70	1.38		08/04/08 23:54	67-66-3	
Chloromethane	ND	ppbv	0.69	1.38		08/04/08 23:54	74-87-3	
Cyclohexane	ND	ppbv	0.72	1.38		08/04/08 23:54	110-82-7	
Dibromochloromethane	ND	ppbv	0.73	1.38		08/04/08 23:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ppbv	0.72	1.38		08/04/08 23:54	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	0.70	1.38		08/04/08 23:54	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	0.70	1.38		08/04/08 23:54	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	0.70	1.38		08/04/08 23:54	106-46-7	
Dichlorodifluoromethane	ND	ppbv	0.70	1.38		08/04/08 23:54	75-71-8	
1,1-Dichloroethane	ND	ppbv	0.72	1.38		08/04/08 23:54	75-34-3	
1,2-Dichloroethane	ND	ppbv	0.72	1.38		08/04/08 23:54	107-06-2	
1,1-Dichloroethene	ND	ppbv	0.72	1.38		08/04/08 23:54	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	0.72	1.38		08/04/08 23:54	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	1.4	1.38		08/04/08 23:54	156-60-5	
1,2-Dichloropropane	ND	ppbv	0.72	1.38		08/04/08 23:54	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	0.70	1.38		08/04/08 23:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	0.72	1.38		08/04/08 23:54	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	0.79	1.38		08/04/08 23:54	76-14-2	
Ethyl acetate	ND	ppbv	0.70	1.38		08/04/08 23:54	141-78-6	
Ethylbenzene	ND	ppbv	0.72	1.38		08/04/08 23:54	100-41-4	
4-Ethyltoluene	ND	ppbv	0.73	1.38		08/04/08 23:54	622-96-8	
n-Heptane	ND	ppbv	0.72	1.38		08/04/08 23:54	142-82-5	
Hexachloro-1,3-butadiene	ND	ppbv	0.69	1.38		08/04/08 23:54	87-68-3	
n-Hexane	ND	ppbv	0.73	1.38		08/04/08 23:54	110-54-3	
2-Hexanone	0.89	ppbv	0.76	1.38		08/04/08 23:54	591-78-6	
Methylene Chloride	ND	ppbv	0.72	1.38		08/04/08 23:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ppbv	0.76	1.38		08/04/08 23:54	108-10-1	
Methyl-tert-butyl ether	ND	ppbv	1.4	1.38		08/04/08 23:54	1634-04-4	
Propylene	ND	ppbv	2.8	1.38		08/04/08 23:54	115-07-1	
Styrene	ND	ppbv	0.76	1.38		08/04/08 23:54	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	0.72	1.38		08/04/08 23:54	79-34-5	
Tetrachloroethene	ND	ppbv	0.72	1.38		08/04/08 23:54	127-18-4	
Tetrahydrofuran	ND	ppbv	0.72	1.38		08/04/08 23:54	109-99-9	
Toluene	ND	ppbv	0.72	1.38		08/04/08 23:54	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	0.72	1.38		08/04/08 23:54	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	0.72	1.38		08/04/08 23:54	71-55-6	

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### ANALYTICAL RESULTS

Project: 7397.09 Tecumseh off-site VI  
Pace Project No.: 1077667

Sample: SV-3 #720		Lab ID: 1077667001	Collected: 07/22/08 15:40	Received: 07/25/08 09:50	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15						
1,1,2-Trichloroethane	ND	ppbv	0.72	1.38		08/04/08 23:54	79-00-5	
Trichloroethene	ND	ppbv	0.72	1.38		08/04/08 23:54	79-01-6	
Trichlorofluoromethane	ND	ppbv	0.69	1.38		08/04/08 23:54	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	0.72	1.38		08/04/08 23:54	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	0.70	1.38		08/04/08 23:54	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	0.72	1.38		08/04/08 23:54	108-67-8	
Vinyl acetate	ND	ppbv	0.76	1.38		08/04/08 23:54	108-05-4	
Vinyl chloride	ND	ppbv	0.70	1.38		08/04/08 23:54	75-01-4	
m&p-Xylene	ND	ppbv	1.4	1.38		08/04/08 23:54	1330-20-7	
o-Xylene	ND	ppbv	0.72	1.38		08/04/08 23:54	95-47-6	

Sample: SV-4 #953		Lab ID: 1077667002	Collected: 07/22/08 16:15	Received: 07/25/08 09:50	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15						
Acetone	5.3	ppbv	1.3	2.42		08/05/08 00:26	67-64-1	
Benzene	ND	ppbv	1.3	2.42		08/05/08 00:26	71-43-2	
Bromodichloromethane	ND	ppbv	1.2	2.42		08/05/08 00:26	75-27-4	
Bromoform	ND	ppbv	1.3	2.42		08/05/08 00:26	75-25-2	
Bromomethane	ND	ppbv	1.2	2.42		08/05/08 00:26	74-83-9	
1,3-Butadiene	ND	ppbv	1.3	2.42		08/05/08 00:26	106-99-0	
2-Butanone (MEK)	2.8	ppbv	1.3	2.42		08/05/08 00:26	78-93-3	
Carbon disulfide	ND	ppbv	1.2	2.42		08/05/08 00:26	75-15-0	
Carbon tetrachloride	ND	ppbv	1.2	2.42		08/05/08 00:26	56-23-5	
Chlorobenzene	ND	ppbv	1.3	2.42		08/05/08 00:26	108-90-7	
Chloroethane	ND	ppbv	1.2	2.42		08/05/08 00:26	75-00-3	
Chloroform	ND	ppbv	1.2	2.42		08/05/08 00:26	67-66-3	
Chloromethane	ND	ppbv	1.2	2.42		08/05/08 00:26	74-87-3	
Cyclohexane	ND	ppbv	1.3	2.42		08/05/08 00:26	110-82-7	
Dibromochloromethane	ND	ppbv	1.3	2.42		08/05/08 00:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ppbv	1.3	2.42		08/05/08 00:26	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	1.2	2.42		08/05/08 00:26	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	1.2	2.42		08/05/08 00:26	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	1.2	2.42		08/05/08 00:26	106-46-7	
Dichlorodifluoromethane	ND	ppbv	1.2	2.42		08/05/08 00:26	75-71-8	
1,1-Dichloroethane	ND	ppbv	1.3	2.42		08/05/08 00:26	75-34-3	
1,2-Dichloroethane	ND	ppbv	1.3	2.42		08/05/08 00:26	107-06-2	
1,1-Dichloroethene	ND	ppbv	1.3	2.42		08/05/08 00:26	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	1.3	2.42		08/05/08 00:26	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	2.4	2.42		08/05/08 00:26	156-60-5	
1,2-Dichloropropane	ND	ppbv	1.3	2.42		08/05/08 00:26	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	1.2	2.42		08/05/08 00:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	1.3	2.42		08/05/08 00:26	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	1.4	2.42		08/05/08 00:26	76-14-2	
Ethyl acetate	ND	ppbv	1.2	2.42		08/05/08 00:26	141-78-6	

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### ANALYTICAL RESULTS

Project: 7397.09 Tecumseh off-site VI  
Pace Project No.: 1077667

Sample: SV-4 #953		Lab ID: 1077667002	Collected: 07/22/08 16:15	Received: 07/25/08 09:50	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15						
Ethylbenzene	ND	ppbv	1.3	2.42		08/05/08 00:26	100-41-4	
4-Ethyltoluene	ND	ppbv	1.3	2.42		08/05/08 00:26	622-96-8	
n-Heptane	ND	ppbv	1.3	2.42		08/05/08 00:26	142-82-5	
Hexachloro-1,3-butadiene	ND	ppbv	1.2	2.42		08/05/08 00:26	87-68-3	
n-Hexane	ND	ppbv	1.3	2.42		08/05/08 00:26	110-54-3	
2-Hexanone	2.1	ppbv	1.3	2.42		08/05/08 00:26	591-78-6	
Methylene Chloride	ND	ppbv	1.3	2.42		08/05/08 00:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ppbv	1.3	2.42		08/05/08 00:26	108-10-1	
Methyl-tert-butyl ether	ND	ppbv	2.4	2.42		08/05/08 00:26	1634-04-4	
Propylene	ND	ppbv	4.8	2.42		08/05/08 00:26	115-07-1	
Styrene	ND	ppbv	1.3	2.42		08/05/08 00:26	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	1.3	2.42		08/05/08 00:26	79-34-5	
Tetrachloroethene	ND	ppbv	1.3	2.42		08/05/08 00:26	127-18-4	
Tetrahydrofuran	ND	ppbv	1.3	2.42		08/05/08 00:26	109-99-9	
Toluene	ND	ppbv	1.3	2.42		08/05/08 00:26	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	1.3	2.42		08/05/08 00:26	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	1.3	2.42		08/05/08 00:26	71-55-6	
1,1,2-Trichloroethane	ND	ppbv	1.3	2.42		08/05/08 00:26	79-00-5	
Trichloroethene	ND	ppbv	1.3	2.42		08/05/08 00:26	79-01-6	
Trichlorofluoromethane	ND	ppbv	1.2	2.42		08/05/08 00:26	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	1.3	2.42		08/05/08 00:26	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	1.2	2.42		08/05/08 00:26	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	1.3	2.42		08/05/08 00:26	108-67-8	
Vinyl acetate	ND	ppbv	1.3	2.42		08/05/08 00:26	108-05-4	
Vinyl chloride	ND	ppbv	1.2	2.42		08/05/08 00:26	75-01-4	
m&p-Xylene	ND	ppbv	2.4	2.42		08/05/08 00:26	1330-20-7	
o-Xylene	ND	ppbv	1.3	2.42		08/05/08 00:26	95-47-6	

Sample: SV-5 #091		Lab ID: 1077667003	Collected: 07/22/08 15:50	Received: 07/25/08 09:50	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15						
Acetone	ND	ppbv	1.1	1.97		08/05/08 01:00	67-64-1	
Benzene	51.5	ppbv	1.0	1.97		08/05/08 01:00	71-43-2	
Bromodichloromethane	ND	ppbv	1.0	1.97		08/05/08 01:00	75-27-4	
Bromoform	ND	ppbv	1.0	1.97		08/05/08 01:00	75-25-2	
Bromomethane	ND	ppbv	1.0	1.97		08/05/08 01:00	74-83-9	
1,3-Butadiene	ND	ppbv	1.0	1.97		08/05/08 01:00	106-99-0	
2-Butanone (MEK)	8.7	ppbv	1.1	1.97		08/05/08 01:00	78-93-3	
Carbon disulfide	ND	ppbv	0.98	1.97		08/05/08 01:00	75-15-0	
Carbon tetrachloride	ND	ppbv	1.0	1.97		08/05/08 01:00	56-23-5	
Chlorobenzene	ND	ppbv	1.0	1.97		08/05/08 01:00	108-90-7	
Chloroethane	ND	ppbv	1.0	1.97		08/05/08 01:00	75-00-3	
Chloroform	ND	ppbv	1.0	1.97		08/05/08 01:00	67-66-3	
Chloromethane	ND	ppbv	0.98	1.97		08/05/08 01:00	74-87-3	

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### ANALYTICAL RESULTS

Project: 7397.09 Tecumseh off-site VI  
Pace Project No.: 1077667

Sample: SV-5 #091	Lab ID: 1077667003	Collected: 07/22/08 15:50	Received: 07/25/08 09:50	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15						
Cyclohexane	2.6 ppbv		1.0	1.97		08/05/08 01:00	110-82-7	
Dibromochloromethane	ND ppbv		1.0	1.97		08/05/08 01:00	124-48-1	
1,2-Dibromoethane (EDB)	ND ppbv		1.0	1.97		08/05/08 01:00	106-93-4	
1,2-Dichlorobenzene	ND ppbv		1.0	1.97		08/05/08 01:00	95-50-1	
1,3-Dichlorobenzene	1.3 ppbv		1.0	1.97		08/05/08 01:00	541-73-1	
1,4-Dichlorobenzene	ND ppbv		1.0	1.97		08/05/08 01:00	106-46-7	
Dichlorodifluoromethane	ND ppbv		1.0	1.97		08/05/08 01:00	75-71-8	
1,1-Dichloroethane	ND ppbv		1.0	1.97		08/05/08 01:00	75-34-3	
1,2-Dichloroethane	ND ppbv		1.0	1.97		08/05/08 01:00	107-06-2	
1,1-Dichloroethene	ND ppbv		1.0	1.97		08/05/08 01:00	75-35-4	
cis-1,2-Dichloroethene	ND ppbv		1.0	1.97		08/05/08 01:00	156-59-2	
trans-1,2-Dichloroethene	ND ppbv		2.0	1.97		08/05/08 01:00	156-60-5	
1,2-Dichloropropane	ND ppbv		1.0	1.97		08/05/08 01:00	78-87-5	
cis-1,3-Dichloropropene	ND ppbv		1.0	1.97		08/05/08 01:00	10061-01-5	
trans-1,3-Dichloropropene	ND ppbv		1.0	1.97		08/05/08 01:00	10061-02-6	
Dichlorotetrafluoroethane	ND ppbv		1.1	1.97		08/05/08 01:00	76-14-2	
Ethyl acetate	1.8 ppbv		1.0	1.97		08/05/08 01:00	141-78-6	
Ethylbenzene	ND ppbv		1.0	1.97		08/05/08 01:00	100-41-4	
4-Ethyltoluene	ND ppbv		1.0	1.97		08/05/08 01:00	622-96-8	
n-Heptane	1.6 ppbv		1.0	1.97		08/05/08 01:00	142-82-5	
Hexachloro-1,3-butadiene	ND ppbv		0.98	1.97		08/05/08 01:00	87-68-3	
n-Hexane	ND ppbv		1.0	1.97		08/05/08 01:00	110-54-3	
2-Hexanone	2.3 ppbv		1.1	1.97		08/05/08 01:00	591-78-6	
Methylene Chloride	ND ppbv		1.0	1.97		08/05/08 01:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	1.2 ppbv		1.1	1.97		08/05/08 01:00	108-10-1	
Methyl-tert-butyl ether	ND ppbv		2.0	1.97		08/05/08 01:00	1634-04-4	
Propylene	ND ppbv		3.9	1.97		08/05/08 01:00	115-07-1	
Styrene	ND ppbv		1.1	1.97		08/05/08 01:00	100-42-5	
1,1,2,2-Tetrachloroethane	ND ppbv		1.0	1.97		08/05/08 01:00	79-34-5	
Tetrachloroethene	ND ppbv		1.0	1.97		08/05/08 01:00	127-18-4	
Tetrahydrofuran	2.9 ppbv		1.0	1.97		08/05/08 01:00	109-99-9	
Toluene	42.0 ppbv		1.0	1.97		08/05/08 01:00	108-88-3	
1,2,4-Trichlorobenzene	ND ppbv		1.0	1.97		08/05/08 01:00	120-82-1	
1,1,1-Trichloroethane	ND ppbv		1.0	1.97		08/05/08 01:00	71-55-6	
1,1,2-Trichloroethane	ND ppbv		1.0	1.97		08/05/08 01:00	79-00-5	
Trichloroethene	ND ppbv		1.0	1.97		08/05/08 01:00	79-01-6	
Trichlorofluoromethane	ND ppbv		0.98	1.97		08/05/08 01:00	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND ppbv		1.0	1.97		08/05/08 01:00	76-13-1	
1,2,4-Trimethylbenzene	ND ppbv		1.0	1.97		08/05/08 01:00	95-63-6	
1,3,5-Trimethylbenzene	1.1 ppbv		1.0	1.97		08/05/08 01:00	108-67-8	
Vinyl acetate	ND ppbv		1.1	1.97		08/05/08 01:00	108-05-4	
Vinyl chloride	ND ppbv		1.0	1.97		08/05/08 01:00	75-01-4	
m&p-Xylene	2.0 ppbv		2.0	1.97		08/05/08 01:00	1330-20-7	
o-Xylene	ND ppbv		1.0	1.97		08/05/08 01:00	95-47-6	

### ANALYTICAL RESULTS

Project: 7397.09 Tecumseh off-site VI  
Pace Project No.: 1077667

Sample: SV-6 #698	Lab ID: 1077667004	Collected: 07/22/08 15:28	Received: 07/25/08 09:50	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15						
Acetone	ND	ppbv	0.79	1.43		08/05/08 01:32	67-64-1	
Benzene	9.4	ppbv	0.74	1.43		08/05/08 01:32	71-43-2	
Bromodichloromethane	ND	ppbv	0.73	1.43		08/05/08 01:32	75-27-4	
Bromoform	ND	ppbv	0.74	1.43		08/05/08 01:32	75-25-2	
Bromomethane	ND	ppbv	0.73	1.43		08/05/08 01:32	74-83-9	
1,3-Butadiene	ND	ppbv	0.74	1.43		08/05/08 01:32	106-99-0	
2-Butanone (MEK)	3.7	ppbv	0.79	1.43		08/05/08 01:32	78-93-3	
Carbon disulfide	ND	ppbv	0.72	1.43		08/05/08 01:32	75-15-0	
Carbon tetrachloride	ND	ppbv	0.73	1.43		08/05/08 01:32	56-23-5	
Chlorobenzene	ND	ppbv	0.74	1.43		08/05/08 01:32	108-90-7	
Chloroethane	ND	ppbv	0.73	1.43		08/05/08 01:32	75-00-3	
Chloroform	ND	ppbv	0.73	1.43		08/05/08 01:32	67-66-3	
Chloromethane	ND	ppbv	0.72	1.43		08/05/08 01:32	74-87-3	
Cyclohexane	2.2	ppbv	0.74	1.43		08/05/08 01:32	110-82-7	
Dibromochloromethane	ND	ppbv	0.76	1.43		08/05/08 01:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ppbv	0.74	1.43		08/05/08 01:32	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	0.73	1.43		08/05/08 01:32	95-50-1	
1,3-Dichlorobenzene	ND	ppbv	0.73	1.43		08/05/08 01:32	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	0.73	1.43		08/05/08 01:32	106-46-7	
Dichlorodifluoromethane	ND	ppbv	0.73	1.43		08/05/08 01:32	75-71-8	
1,1-Dichloroethane	ND	ppbv	0.74	1.43		08/05/08 01:32	75-34-3	
1,2-Dichloroethane	ND	ppbv	0.74	1.43		08/05/08 01:32	107-06-2	
1,1-Dichloroethene	ND	ppbv	0.74	1.43		08/05/08 01:32	75-35-4	
cis-1,2-Dichloroethene	ND	ppbv	0.74	1.43		08/05/08 01:32	156-59-2	
trans-1,2-Dichloroethene	ND	ppbv	1.4	1.43		08/05/08 01:32	156-60-5	
1,2-Dichloropropane	ND	ppbv	0.74	1.43		08/05/08 01:32	78-87-5	
cis-1,3-Dichloropropene	ND	ppbv	0.73	1.43		08/05/08 01:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ppbv	0.74	1.43		08/05/08 01:32	10061-02-6	
Dichlorotetrafluoroethane	ND	ppbv	0.82	1.43		08/05/08 01:32	76-14-2	
Ethyl acetate	1.0	ppbv	0.73	1.43		08/05/08 01:32	141-78-6	
Ethylbenzene	ND	ppbv	0.74	1.43		08/05/08 01:32	100-41-4	
4-Ethyltoluene	ND	ppbv	0.76	1.43		08/05/08 01:32	622-96-8	
n-Heptane	ND	ppbv	0.74	1.43		08/05/08 01:32	142-82-5	
Hexachloro-1,3-butadiene	ND	ppbv	0.72	1.43		08/05/08 01:32	87-68-3	
n-Hexane	3.0	ppbv	0.76	1.43		08/05/08 01:32	110-54-3	
2-Hexanone	1.5	ppbv	0.79	1.43		08/05/08 01:32	591-78-6	
Methylene Chloride	1.2	ppbv	0.74	1.43		08/05/08 01:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ppbv	0.79	1.43		08/05/08 01:32	108-10-1	
Methyl-tert-butyl ether	ND	ppbv	1.4	1.43		08/05/08 01:32	1634-04-4	
Propylene	ND	ppbv	2.9	1.43		08/05/08 01:32	115-07-1	
Styrene	ND	ppbv	0.79	1.43		08/05/08 01:32	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppbv	0.74	1.43		08/05/08 01:32	79-34-5	
Tetrachloroethene	ND	ppbv	0.74	1.43		08/05/08 01:32	127-18-4	
Tetrahydrofuran	ND	ppbv	0.74	1.43		08/05/08 01:32	109-99-9	
Toluene	5.6	ppbv	0.74	1.43		08/05/08 01:32	108-88-3	
1,2,4-Trichlorobenzene	ND	ppbv	0.74	1.43		08/05/08 01:32	120-82-1	
1,1,1-Trichloroethane	ND	ppbv	0.74	1.43		08/05/08 01:32	71-55-6	

Date: 08/07/2008 03:38 PM

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 7397.09 Tecumseh off-site VI  
Pace Project No.: 1077667

Sample: SV-6 #698		Lab ID: 1077667004	Collected: 07/22/08 15:28	Received: 07/25/08 09:50	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15						
1,1,2-Trichloroethane	ND	ppbv	0.74	1.43		08/05/08 01:32	79-00-5	
Trichloroethene	ND	ppbv	0.74	1.43		08/05/08 01:32	79-01-6	
Trichlorofluoromethane	ND	ppbv	0.72	1.43		08/05/08 01:32	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	0.74	1.43		08/05/08 01:32	76-13-1	
1,2,4-Trimethylbenzene	ND	ppbv	0.73	1.43		08/05/08 01:32	95-63-6	
1,3,5-Trimethylbenzene	ND	ppbv	0.74	1.43		08/05/08 01:32	108-67-8	
Vinyl acetate	ND	ppbv	0.79	1.43		08/05/08 01:32	108-05-4	
Vinyl chloride	ND	ppbv	0.73	1.43		08/05/08 01:32	75-01-4	
m&p-Xylene	ND	ppbv	1.4	1.43		08/05/08 01:32	1330-20-7	
o-Xylene	ND	ppbv	0.74	1.43		08/05/08 01:32	95-47-6	



## QUALIFIERS

Project: 7397.09 Tecumseh off-site VI  
Pace Project No.: 1077667

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### 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.

### ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

### ANALYTICAL RESULTS

Project: 7397.07 TECUMSEH MNA  
Pace Project No.: 406717

Sample: MW-27      Lab ID: 406717001      Collected: 07/22/08 17:10      Received: 07/23/08 10:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Dissolved</b>		Analytical Method: EPA 6010							
Manganese	52.7	ug/L	5.0	0.48	1		07/24/08 15:55	7439-96-5	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
1,1,1-Trichloroethane	<0.90	ug/L	3.0	0.90	1		07/25/08 12:52	71-55-6	
1,1,2,2-Tetrachloroethane	<0.20	ug/L	0.67	0.20	1		07/25/08 12:52	79-34-5	
1,1,2-Trichloroethane	<0.42	ug/L	1.4	0.42	1		07/25/08 12:52	79-00-5	
1,1-Dichloroethane	<0.75	ug/L	2.5	0.75	1		07/25/08 12:52	75-34-3	
1,1-Dichloroethene	<0.57	ug/L	1.9	0.57	1		07/25/08 12:52	75-35-4	
1,2,3-Trichlorobenzene	<0.74	ug/L	2.5	0.74	1		07/25/08 12:52	87-61-6	
1,2,4-Trichlorobenzene	<0.97	ug/L	3.2	0.97	1		07/25/08 12:52	120-82-1	
1,2,4-Trimethylbenzene	<0.97	ug/L	3.2	0.97	1		07/25/08 12:52	95-63-6	
1,2-Dibromo-3-chloropropane	<0.87	ug/L	2.9	0.87	1		07/25/08 12:52	96-12-8	
1,2-Dibromoethane (EDB)	<0.56	ug/L	1.9	0.56	1		07/25/08 12:52	106-93-4	
1,2-Dichlorobenzene	<0.83	ug/L	2.8	0.83	1		07/25/08 12:52	95-50-1	
1,2-Dichloroethane	<0.36	ug/L	1.2	0.36	1		07/25/08 12:52	107-06-2	
1,2-Dichloropropane	<0.46	ug/L	1.5	0.46	1		07/25/08 12:52	78-87-5	
1,3,5-Trimethylbenzene	<0.83	ug/L	2.8	0.83	1		07/25/08 12:52	108-67-8	
1,3-Dichlorobenzene	<0.87	ug/L	2.9	0.87	1		07/25/08 12:52	541-73-1	
1,3-Dichloropropane	<0.61	ug/L	2.0	0.61	1		07/25/08 12:52	142-28-9	
1,4-Dichlorobenzene	<0.95	ug/L	3.2	0.95	1		07/25/08 12:52	106-46-7	
2,2-Dichloropropane	<0.62	ug/L	2.1	0.62	1		07/25/08 12:52	594-20-7	
2-Chlorotoluene	<0.85	ug/L	2.8	0.85	1		07/25/08 12:52	95-49-8	
4-Chlorotoluene	<0.74	ug/L	2.5	0.74	1		07/25/08 12:52	106-43-4	
Benzene	<0.41	ug/L	1.4	0.41	1		07/25/08 12:52	71-43-2	
Bromobenzene	<0.82	ug/L	2.7	0.82	1		07/25/08 12:52	108-86-1	
Bromodichloromethane	<0.56	ug/L	1.9	0.56	1		07/25/08 12:52	75-27-4	
Carbon tetrachloride	<0.49	ug/L	1.6	0.49	1		07/25/08 12:52	56-23-5	
Chlorobenzene	<0.41	ug/L	1.4	0.41	1		07/25/08 12:52	108-90-7	
Chloroethane	<0.97	ug/L	3.2	0.97	1		07/25/08 12:52	75-00-3	
Chloroform	<0.37	ug/L	1.2	0.37	1		07/25/08 12:52	67-66-3	
Chloromethane	<0.24	ug/L	0.80	0.24	1		07/25/08 12:52	74-87-3	
Dibromochloromethane	<0.81	ug/L	2.7	0.81	1		07/25/08 12:52	124-48-1	
Dichlorodifluoromethane	<0.99	ug/L	3.3	0.99	1		07/25/08 12:52	75-71-8	
Diisopropyl ether	<0.76	ug/L	2.5	0.76	1		07/25/08 12:52	108-20-3	
Ethylbenzene	<0.54	ug/L	1.8	0.54	1		07/25/08 12:52	100-41-4	
Hexachloro-1,3-butadiene	<0.67	ug/L	2.2	0.67	1		07/25/08 12:52	87-68-3	
Isopropylbenzene (Cumene)	<0.59	ug/L	2.0	0.59	1		07/25/08 12:52	98-82-8	
Methyl-tert-butyl ether	<0.61	ug/L	2.0	0.61	1		07/25/08 12:52	1634-04-4	
Methylene Chloride	<0.43	ug/L	1.4	0.43	1		07/25/08 12:52	75-09-2	
Naphthalene	<0.74	ug/L	2.5	0.74	1		07/25/08 12:52	91-20-3	
Tetrachloroethene	<0.45	ug/L	1.5	0.45	1		07/25/08 12:52	127-18-4	
Toluene	<0.67	ug/L	2.2	0.67	1		07/25/08 12:52	108-88-3	
Trichloroethene	0.98J	ug/L	1.6	0.48	1		07/25/08 12:52	79-01-6	
Trichlorofluoromethane	<0.79	ug/L	2.6	0.79	1		07/25/08 12:52	75-69-4	
Vinyl chloride	<0.18	ug/L	0.60	0.18	1		07/25/08 12:52	75-01-4	
cis-1,2-Dichloroethene	<0.83	ug/L	2.8	0.83	1		07/25/08 12:52	156-59-2	

### ANALYTICAL RESULTS

Project: 7397.07 TECUMSEH MNA  
Pace Project No.: 406717

**Sample: MW-27**      **Lab ID: 406717001**      Collected: 07/22/08 17:10      Received: 07/23/08 10:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
m&p-Xylene	<1.8	ug/L	6.0	1.8	1		07/25/08 12:52	1330-20-7	
n-Butylbenzene	<0.93	ug/L	3.1	0.93	1		07/25/08 12:52	104-51-8	
n-Propylbenzene	<0.81	ug/L	2.7	0.81	1		07/25/08 12:52	103-65-1	
o-Xylene	<0.83	ug/L	2.8	0.83	1		07/25/08 12:52	95-47-6	
p-Isopropyltoluene	<0.67	ug/L	2.2	0.67	1		07/25/08 12:52	99-87-6	
sec-Butylbenzene	<0.89	ug/L	3.0	0.89	1		07/25/08 12:52	135-98-8	
tert-Butylbenzene	<0.97	ug/L	3.2	0.97	1		07/25/08 12:52	98-06-6	
trans-1,2-Dichloroethene	<0.89	ug/L	3.0	0.89	1		07/25/08 12:52	156-60-5	
4-Bromofluorobenzene (S)	98	%	64-132		1		07/25/08 12:52	460-00-4	
Dibromofluoromethane (S)	98	%	68-122		1		07/25/08 12:52	1868-53-7	
Toluene-d8 (S)	102	%	73-127		1		07/25/08 12:52	2037-26-5	
<b>Iron, Ferrous</b>		Analytical Method: HACH 8146							
Iron, Ferrous	<0.026	mg/L	0.050	0.026	1		07/24/08 10:00		H6,M0
<b>300.0 IC Anions 28 Days,Diss</b>		Analytical Method: EPA 300.0							
Chloride	4.0J	mg/L	5.0	1.1	1		07/23/08 18:19	16887-00-6	M0
Sulfate	14.1	mg/L	4.0	0.51	1		07/23/08 18:19	14808-79-8	B
<b>300.0 IC Anions, Dissolved</b>		Analytical Method: EPA 300.0							
Nitrate as N	0.18J	mg/L	0.40	0.085	1		07/23/08 18:19	14797-55-8	M0
<b>5310C TOC</b>		Analytical Method: SM 5310C							
Total Organic Carbon	<1.4	mg/L	2.0	1.4	1		07/29/08 13:15	7440-44-0	