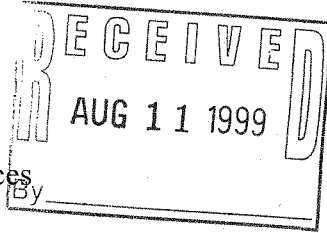


# Moraine Environmental, Inc.

Environmental Management Services

August 2, 1999

Mr. John Feeney, Hydrogeologist  
Wisconsin Department of Natural Resources  
Southeast District - Annex Building  
P.O. Box 12436  
Milwaukee, WI 53212



Proj. Ref. #1177  
FID#246009170

RE: Biannual Groundwater Monitoring Results – **July, 1999**  
**Tecumseh Products Company Facility, Grafton Operation**

Dear John:

Moraine Environmental, Inc. (MEI) has been retained by the Tecumseh Products Company to provide technical field service to monitor groundwater quality on a biannual basis at the Tecumseh Products Company Grafton Operation. Consulting and engineering services continue to be provided by RMT, Inc. of Madison, Wisconsin.

This letter report was prepared to summarize the July, 1999 sampling and analysis of twelve downgradient groundwater monitoring wells and three downgradient potable residential wells for Volatile Organic Compounds (VOCs). The analytical results are summarized in tabular form and previous sample results are provided for comparison purposes.

Accordingly, the following summarization is presented:

Sample Collection Methodologies

Sample collection was performed on July 6, 1999. The following downgradient wells were purged and sampled for EPA Method 8260 VOCs analysis:

- |             |             |             |
|-------------|-------------|-------------|
| MW-3 BR(2)  | MW-18 BR(1) | MW-20 BR(1) |
| MW-9        | MW-18 BR(2) | MW-20 BR(2) |
| MW-12       | MW-19 BR(1) | MW-21 BR(1) |
| MW-22 BR    | MW-19 BR(2) | MW-21 BR(2) |
| MW-12 BR(1) |             |             |

The locations of these wells are illustrated on the enclosed figure.

Private water supply wells PW-38 (Wendtland Property), PW-5 (Raess Property), and PW-30 (Heiser Property) were also sampled for EPA 524.2 VOCs on July 6, 1999.

Groundwater samples from monitoring wells MW-9, and MW-12 were purged and sampled using new, disposable teflon bailers. Samples were transferred into 40 milliliter (ml) vials, placed into an ice-filled cooler, and transported to the laboratory (EnChem, Inc.) for analysis. The remaining monitoring wells were sampled through dedicated multi-level bladder pump systems (Solinst Waterloo) installed during well construction. VOC groundwater samples were collected, stored, transported, and analyzed for 8260 VOCs by EnChem, Inc. Laboratories in Green Bay, Wisconsin. The private wells (PW-38, PW-5, and PW-30) were sampled by allowing the cold taps to run for a minimum of fifteen minutes to allow for aquifer water to enter the system, then reducing the flow volume (removing the faucet aerators) and collecting and storing the samples. Monitoring well MW-13 BR (2) could not be sampled due to a suspect mechanical defect in the dedicated sampling system.


### Analytical Results

All monitoring well groundwater samples were analyzed for EPA Method 8260 VOCs by EnChem, Inc. of Green Bay, Wisconsin. The analytical results are summarized on the enclosed analytical results table. The laboratory reports are enclosed as Attachment A. Tables prepared by RMT, Inc. of Madison, Wisconsin and a tables summarizing previous MEI analytical results are enclosed as Attachment B to allow for a comparison of recent analytical results with previously acquired groundwater quality data. VOCs at concentrations exceeding Wisconsin Administrative Code Chapter NR 140 Groundwater Quality Enforcement Standards were detected in monitoring wells MW-3D, MW-9, MW-12, MW-12 BR (1), MW-18 BR (1), MW-18 BR (2), MW-19 BR(1), MW-19 BR(2), MW-20 BR (1), MW-20 BR (2), MW-21 BR(2) and MW-22 BR. Preventive Action Limits were slightly exceeded in MW-3 BR(2), and the private water supply wells (PW-38 and PW-30). The analytical results were similar to previously acquired analytical results.

Biannual samples will again be collected in December, 1999 or January, 2000. If you have any questions or concerns regarding this letter, the monitoring methodologies or results, please call our office at (414) 377-9060.

Sincerely,

**MORAIN ENVIRONMENTAL, INC.**



Thomas Dueppen  
Project Hydrogeologist



Kenneth G. Fries, P.E.  
Technical Operations Manager

enc.

**ATTACHMENT A**  
**ANALYTICAL REPORTS**



1795 Industrial Drive  
Green Bay, WI 54302  
920-469-2436  
800-7-ENCHEM  
FAX: 920-469-8827

**- Analytical Report -**

Project Name : TECUMSEH

Project Number : #1177

Client: MORaine ENVIRONMENTAL INC

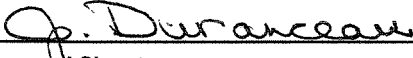
WI DNR LAB ID : 405132750

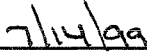
Sample No.	Field ID	Collection Date	Sample No.	Field ID	Collection Date
893767-001	MW-3 BR-2	7/6/99			
893767-002	MW-3-D	7/6/99			
893767-003	MW-9	7/6/99			
893767-004	MW-12	7/6/99			
893767-005	MW-18 BR-1	7/6/99			
893767-006	MW-18 BR-2	7/6/99			
893767-007	MW-19 BR-1	7/6/99			
893767-008	MW-19 BR-2	7/6/99			
893767-009	MW-20 BR-1	7/6/99			
893767-010	MW-20 BR-2	7/6/99			
893767-011	MW-21 BR-1	7/6/99			
893767-012	MW-21 BR-2	7/6/99			
893767-013	MW-22 BR	7/6/99			
893767-014	PW-5	7/6/99			
893767-015	PW-38	7/6/99			
893767-016	PW-30	7/6/99			
893767-017	MW-12 BR-1	7/6/99			

The "Q" flag is present when a parameter has been detected below the LOQ. This indicates the results are qualified due to the uncertainty of the parameter concentration between the LOD and the LOQ.

Soil VOC detects are corrected for the total solids, unless otherwise noted.

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample narrative. Release of this final report is authorized by Laboratory management, as is verified by the following signature.

  
Approval Signature

  
Date



1795 Industrial Drive  
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920-469-2436  
800-7-ENCHEM  
FAX: 920-469-8827

---

Lab#:	TestGroupID:	Comment:
893767-004 MW-12	8260+-W	Methylene chloride is present in the laboratory environment. Detects should be considered suspect.



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FAX: 920-469-8827

## - Analytical Report -

Project Name : TECUMSEH

Project Number : #1177

Field ID : MW-3 BR-2

Lab Sample Number : 893767-001

WI DNR LAB ID : 405132750

Client : MORAIN ENVIRONMENTAL INC

Report Date : 7/9/99

Collection Date : 7/6/99

Matrix Type : WATER

### Organic Results

#### EPA 8260 VOLATILE LIST- WATER

Prep Method: SW846 5030B

Prep Date: 7/8/99

Analyst: JJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.27	0.27	0.86		ug/L		7/8/99	SW846 8260B
Bromobenzene	< 0.83	0.83	2.6		ug/L		7/8/99	SW846 8260B
Bromochloromethane	< 0.42	0.42	1.3		ug/L		7/8/99	SW846 8260B
Bromodichloromethane	< 0.30	0.30	0.96		ug/L		7/8/99	SW846 8260B
Bromoform	< 0.44	0.44	1.4		ug/L		7/8/99	SW846 8260B
Bromomethane	< 0.70	0.70	2.2		ug/L		7/8/99	SW846 8260B
s-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/8/99	SW846 8260B
t-Butylbenzene	< 0.32	0.32	1.0		ug/L		7/8/99	SW846 8260B
n-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/8/99	SW846 8260B
Carbon tetrachloride	< 0.34	0.34	1.1		ug/L		7/8/99	SW846 8260B
Chloroform	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B
Chlorobenzene	< 0.23	0.23	0.73		ug/L		7/8/99	SW846 8260B
Chlorodibromomethane	< 0.42	0.42	1.3		ug/L		7/8/99	SW846 8260B
Chloroethane	0.56	0.54	1.7		ug/L	Q	7/8/99	SW846 8260B
Chloromethane	< 0.61	0.61	1.9		ug/L		7/8/99	SW846 8260B
2-Chlorotoluene	< 0.31	0.31	0.99		ug/L		7/8/99	SW846 8260B
4-Chlorotoluene	< 0.32	0.32	1.0		ug/L		7/8/99	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.41	0.41	1.3		ug/L		7/8/99	SW846 8260B
1,2-Dibromoethane	< 0.39	0.39	1.2		ug/L		7/8/99	SW846 8260B
Dibromomethane	< 0.53	0.53	1.7		ug/L		7/8/99	SW846 8260B
1,3-Dichlorobenzene	< 0.34	0.34	1.1		ug/L		7/8/99	SW846 8260B
1,4-Dichlorobenzene	< 0.30	0.30	0.96		ug/L		7/8/99	SW846 8260B
1,2-Dichloroethane	0.60	0.37	1.2		ug/L	Q	7/8/99	SW846 8260B
1,2-Dichlorobenzene	< 0.25	0.25	0.80		ug/L		7/8/99	SW846 8260B
1,1-Dichloroethene	< 0.43	0.43	1.4		ug/L		7/8/99	SW846 8260B
cis-1,2-Dichloroethene	< 0.28	0.28	0.89		ug/L		7/8/99	SW846 8260B
Dichlorodifluoromethane	< 0.47	0.47	1.5		ug/L		7/8/99	SW846 8260B
trans-1,2-Dichloroethene	< 0.79	0.79	2.5		ug/L		7/8/99	SW846 8260B
1,2-Dichloropropane	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B
1,1-Dichloroethane	66	0.35	1.1		ug/L		7/8/99	SW846 8260B



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## - Analytical Report -

**Project Name : TECUMSEH**

**Project Number : #1177**

**Field ID : MW-3 BR-2**

**Lab Sample Number : 893767-001**

**WI DNR LAB ID : 405132750**

**Client : MORaine ENVIRONMENTAL INC**

**Report Date : 7/9/99**

**Collection Date : 7/6/99**

**Matrix Type : WATER**

1,3-Dichloropropane	< 0.42	0.42	1.3	ug/L		7/8/99	SW846 8260B
2,2-Dichloropropane	< 0.36	0.36	1.1	ug/L		7/8/99	SW846 8260B
1,1-Dichloropropene	< 0.81	0.81	2.6	ug/L		7/8/99	SW846 8260B
cis-1,3-Dichloropropene	< 0.32	0.32	1.0	ug/L		7/8/99	SW846 8260B
trans-1,3-Dichloropropene	< 0.43	0.43	1.4	ug/L		7/8/99	SW846 8260B
Diisopropyl ether	< 0.55	0.55	1.8	ug/L		7/8/99	SW846 8260B
Ethylbenzene	< 0.32	0.32	1.0	ug/L		7/8/99	SW846 8260B
Fluorotrichloromethane	< 0.28	0.28	0.89	ug/L		7/8/99	SW846 8260B
Hexachlorobutadiene	< 0.62	0.62	2.0	ug/L		7/8/99	SW846 8260B
Isopropylbenzene	< 0.26	0.26	0.83	ug/L		7/8/99	SW846 8260B
p-Isopropyltoluene	< 0.24	0.24	0.76	ug/L		7/8/99	SW846 8260B
Methylene chloride	< 0.36	0.36	1.1	ug/L		7/8/99	SW846 8260B
Methyl-tert-butyl-ether	< 0.32	0.32	1.0	ug/L		7/8/99	SW846 8260B
Naphthalene	< 0.35	0.35	1.1	ug/L		7/8/99	SW846 8260B
n-Propylbenzene	< 0.76	0.76	2.4	ug/L		7/8/99	SW846 8260B
Styrene	< 0.17	0.17	0.54	ug/L		7/8/99	SW846 8260B
1,1,2,2-Tetrachloroethane	< 0.69	0.69	2.2	ug/L		7/8/99	SW846 8260B
1,1,1,2-Tetrachloroethane	< 0.70	0.70	2.2	ug/L		7/8/99	SW846 8260B
Tetrachloroethene	< 0.43	0.43	1.4	ug/L		7/8/99	SW846 8260B
Toluene	< 0.27	0.27	0.86	ug/L		7/8/99	SW846 8260B
1,2,3-Trichlorobenzene	< 0.47	0.47	1.5	ug/L		7/8/99	SW846 8260B
1,2,4-Trichlorobenzene	< 0.27	0.27	0.86	ug/L		7/8/99	SW846 8260B
1,1,1-Trichloroethane	1.1	0.30	0.96	ug/L		7/8/99	SW846 8260B
1,1,2-Trichloroethane	< 0.61	0.61	1.9	ug/L		7/8/99	SW846 8260B
1,2,4-Trimethylbenzene	< 0.22	0.22	0.70	ug/L		7/8/99	SW846 8260B
Trichloroethene	< 0.37	0.37	1.2	ug/L		7/8/99	SW846 8260B
1,2,3-Trichloropropane	< 0.75	0.75	2.4	ug/L		7/8/99	SW846 8260B
1,3,5-Trimethylbenzene	< 0.27	0.27	0.86	ug/L		7/8/99	SW846 8260B
Vinyl chloride	0.29	0.20	0.64	ug/L	Q	7/8/99	SW846 8260B
Xylenes, -m, -p	< 0.43	0.43	1.4	ug/L		7/8/99	SW846 8260B
Xylene, -o	< 0.24	0.24	0.76	ug/L		7/8/99	SW846 8260B
4-Bromofluorobenzene	89			%Recov		7/8/99	SW846 8260B
Dibromofluoromethane	87			%Recov		7/8/99	SW846 8260B
Toluene-d8	94			%Recov		7/8/99	SW846 8260B



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## - Analytical Report -

Project Name : TECUMSEH

Project Number : #1177

Field ID : MW-3-D

Lab Sample Number : 893767-002

WI DNR LAB ID : 405132750

Client : MORaine ENVIRONMENTAL INC

Report Date : 7/9/99

Collection Date : 7/6/99

Matrix Type : WATER

### Organic Results

#### EPA 8260 VOLATILE LIST- WATER

Prep Method: SW846 5030B

Prep Date: 7/8/99

Analyst: JJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.27	0.27	0.86		ug/L		7/8/99	SW846 8260B
Bromobenzene	< 0.83	0.83	2.6		ug/L		7/8/99	SW846 8260B
Bromochloromethane	< 0.42	0.42	1.3		ug/L		7/8/99	SW846 8260B
Bromodichloromethane	< 0.30	0.30	0.96		ug/L		7/8/99	SW846 8260B
Bromoform	< 0.44	0.44	1.4		ug/L		7/8/99	SW846 8260B
Bromomethane	< 0.70	0.70	2.2		ug/L		7/8/99	SW846 8260B
s-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/8/99	SW846 8260B
t-Butylbenzene	< 0.32	0.32	1.0		ug/L		7/8/99	SW846 8260B
n-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/8/99	SW846 8260B
Carbon tetrachloride	< 0.34	0.34	1.1		ug/L		7/8/99	SW846 8260B
Chloroform	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B
Chlorobenzene	< 0.23	0.23	0.73		ug/L		7/8/99	SW846 8260B
Chlorodibromomethane	< 0.42	0.42	1.3		ug/L		7/8/99	SW846 8260B
Chloroethane	< 0.54	0.54	1.7		ug/L		7/8/99	SW846 8260B
Chloromethane	< 0.61	0.61	1.9		ug/L		7/8/99	SW846 8260B
2-Chlorotoluene	< 0.31	0.31	0.99		ug/L		7/8/99	SW846 8260B
4-Chlorotoluene	< 0.32	0.32	1.0		ug/L		7/8/99	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.41	0.41	1.3		ug/L		7/8/99	SW846 8260B
1,2-Dibromoethane	< 0.39	0.39	1.2		ug/L		7/8/99	SW846 8260B
Dibromomethane	< 0.53	0.53	1.7		ug/L		7/8/99	SW846 8260B
1,3-Dichlorobenzene	< 0.34	0.34	1.1		ug/L		7/8/99	SW846 8260B
1,4-Dichlorobenzene	< 0.30	0.30	0.96		ug/L		7/8/99	SW846 8260B
1,2-Dichloroethane	< 0.37	0.37	1.2		ug/L		7/8/99	SW846 8260B
1,2-Dichlorobenzene	< 0.25	0.25	0.80		ug/L		7/8/99	SW846 8260B
1,1-Dichloroethene	< 0.43	0.43	1.4		ug/L		7/8/99	SW846 8260B
cis-1,2-Dichloroethene	0.44	0.28	0.89		ug/L	Q	7/8/99	SW846 8260B
Dichlorodifluoromethane	< 0.47	0.47	1.5		ug/L		7/8/99	SW846 8260B
trans-1,2-Dichloroethene	< 0.79	0.79	2.5		ug/L		7/8/99	SW846 8260B
1,2-Dichloropropane	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B
1,1-Dichloroethane	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B





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 FAX: 920-469-8827

### - Analytical Report -

**Project Name :** TECUMSEH

**Project Number :** #1177

**Field ID :** MW-3-D

**Lab Sample Number :** 893767-002

**WI DNR LAB ID :** 405132750

**Client :** MORaine ENVIRONMENTAL INC

**Report Date :** 7/9/99

**Collection Date :** 7/6/99

**Matrix Type :** WATER

1,3-Dichloropropane	< 0.42	0.42	1.3	ug/L	7/8/99	SW846 8260B
2,2-Dichloropropane	< 0.36	0.36	1.1	ug/L	7/8/99	SW846 8260B
1,1-Dichloropropene	< 0.81	0.81	2.6	ug/L	7/8/99	SW846 8260B
cis-1,3-Dichloropropene	< 0.32	0.32	1.0	ug/L	7/8/99	SW846 8260B
trans-1,3-Dichloropropene	< 0.43	0.43	1.4	ug/L	7/8/99	SW846 8260B
Diisopropyl ether	6.6	0.55	1.8	ug/L	7/8/99	SW846 8260B
Ethylbenzene	< 0.32	0.32	1.0	ug/L	7/8/99	SW846 8260B
Fluorotrichloromethane	< 0.28	0.28	0.89	ug/L	7/8/99	SW846 8260B
Hexachlorobutadiene	< 0.62	0.62	2.0	ug/L	7/8/99	SW846 8260B
Isopropylbenzene	< 0.26	0.26	0.83	ug/L	7/8/99	SW846 8260B
p-Isopropyltoluene	< 0.24	0.24	0.76	ug/L	7/8/99	SW846 8260B
Methylene chloride	< 0.36	0.36	1.1	ug/L	7/8/99	SW846 8260B
Methyl-tert-butyl-ether	< 0.32	0.32	1.0	ug/L	7/8/99	SW846 8260B
Naphthalene	< 0.35	0.35	1.1	ug/L	7/8/99	SW846 8260B
n-Propylbenzene	< 0.76	0.76	2.4	ug/L	7/8/99	SW846 8260B
Styrene	< 0.17	0.17	0.54	ug/L	7/8/99	SW846 8260B
1,1,2,2-Tetrachloroethane	< 0.69	0.69	2.2	ug/L	7/8/99	SW846 8260B
1,1,1,2-Tetrachloroethane	< 0.70	0.70	2.2	ug/L	7/8/99	SW846 8260B
Tetrachloroethene	< 0.43	0.43	1.4	ug/L	7/8/99	SW846 8260B
Toluene	< 0.27	0.27	0.86	ug/L	7/8/99	SW846 8260B
1,2,3-Trichlorobenzene	< 0.47	0.47	1.5	ug/L	7/8/99	SW846 8260B
1,2,4-Trichlorobenzene	< 0.27	0.27	0.86	ug/L	7/8/99	SW846 8260B
1,1,1-Trichloroethane	< 0.30	0.30	0.96	ug/L	7/8/99	SW846 8260B
1,1,2-Trichloroethane	< 0.61	0.61	1.9	ug/L	7/8/99	SW846 8260B
1,2,4-Trimethylbenzene	< 0.22	0.22	0.70	ug/L	7/8/99	SW846 8260B
Trichloroethene	6.8	0.37	1.2	ug/L	7/8/99	SW846 8260B
1,2,3-Trichloropropane	< 0.75	0.75	2.4	ug/L	7/8/99	SW846 8260B
1,3,5-Trimethylbenzene	< 0.27	0.27	0.86	ug/L	7/8/99	SW846 8260B
Vinyl chloride	< 0.20	0.20	0.64	ug/L	7/8/99	SW846 8260B
Xylenes, -m, -p	< 0.43	0.43	1.4	ug/L	7/8/99	SW846 8260B
Xylene, -o	< 0.24	0.24	0.76	ug/L	7/8/99	SW846 8260B
4-Bromofluorobenzene	88			%Recov	7/8/99	SW846 8260B
Dibromofluoromethane	90			%Recov	7/8/99	SW846 8260B
Toluene-d8	93			%Recov	7/8/99	SW846 8260B



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## - Analytical Report -

Project Name : TECUMSEH

Project Number : #1177

Field ID : MW-9

Lab Sample Number : 893767-003

WI DNR LAB ID : 405132750

Client : MORAIN ENVIRONMENTAL INC

Report Date : 7/9/99

Collection Date : 7/6/99

Matrix Type : WATER

### Organic Results

#### EPA 8260 VOLATILE LIST- WATER

Prep Method: SW846 5030B

Prep Date: 7/8/99

Analyst: JJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.27	0.27	0.86		ug/L		7/8/99	SW846 8260B
Bromobenzene	< 0.83	0.83	2.6		ug/L		7/8/99	SW846 8260B
Bromochloromethane	< 0.42	0.42	1.3		ug/L		7/8/99	SW846 8260B
Bromodichloromethane	< 0.30	0.30	0.96		ug/L		7/8/99	SW846 8260B
Bromoform	< 0.44	0.44	1.4		ug/L		7/8/99	SW846 8260B
Bromomethane	< 0.70	0.70	2.2		ug/L		7/8/99	SW846 8260B
s-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/8/99	SW846 8260B
t-Butylbenzene	< 0.32	0.32	1.0		ug/L		7/8/99	SW846 8260B
n-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/8/99	SW846 8260B
Carbon tetrachloride	< 0.34	0.34	1.1		ug/L		7/8/99	SW846 8260B
Chloroform	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B
Chlorobenzene	< 0.23	0.23	0.73		ug/L		7/8/99	SW846 8260B
Chlorodibromomethane	< 0.42	0.42	1.3		ug/L		7/8/99	SW846 8260B
Chloroethane	< 0.54	0.54	1.7		ug/L		7/8/99	SW846 8260B
Chloromethane	< 0.61	0.61	1.9		ug/L		7/8/99	SW846 8260B
2-Chlorotoluene	< 0.31	0.31	0.99		ug/L		7/8/99	SW846 8260B
4-Chlorotoluene	< 0.32	0.32	1.0		ug/L		7/8/99	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.41	0.41	1.3		ug/L		7/8/99	SW846 8260B
1,2-Dibromoethane	< 0.39	0.39	1.2		ug/L		7/8/99	SW846 8260B
Dibromomethane	< 0.53	0.53	1.7		ug/L		7/8/99	SW846 8260B
1,3-Dichlorobenzene	< 0.34	0.34	1.1		ug/L		7/8/99	SW846 8260B
1,4-Dichlorobenzene	< 0.30	0.30	0.96		ug/L		7/8/99	SW846 8260B
1,2-Dichloroethane	< 0.37	0.37	1.2		ug/L		7/8/99	SW846 8260B
1,2-Dichlorobenzene	< 0.25	0.25	0.80		ug/L		7/8/99	SW846 8260B
1,1-Dichloroethene	14	0.43	1.4		ug/L		7/8/99	SW846 8260B
cis-1,2-Dichloroethene	30	0.28	0.89		ug/L		7/8/99	SW846 8260B
Dichlorodifluoromethane	< 0.47	0.47	1.5		ug/L		7/8/99	SW846 8260B
trans-1,2-Dichloroethene	< 0.79	0.79	2.5		ug/L		7/8/99	SW846 8260B
1,2-Dichloropropane	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B
1,1-Dichloroethane	78	0.35	1.1		ug/L		7/8/99	SW846 8260B



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## - Analytical Report -

**Project Name : TECUMSEH**

**Project Number : #1177**

**Field ID : MW-9**

**Lab Sample Number : 893767-003**

**WI DNR LAB ID : 405132750**

**Client : MORaine ENVIRONMENTAL INC**

**Report Date : 7/9/99**

**Collection Date : 7/6/99**

**Matrix Type : WATER**

1,3-Dichloropropane	< 0.42	0.42	1.3	ug/L		7/8/99	SW846 8260B
2,2-Dichloropropane	< 0.36	0.36	1.1	ug/L		7/8/99	SW846 8260B
1,1-Dichloropropene	< 0.81	0.81	2.6	ug/L		7/8/99	SW846 8260B
cis-1,3-Dichloropropene	< 0.32	0.32	1.0	ug/L		7/8/99	SW846 8260B
trans-1,3-Dichloropropene	< 0.43	0.43	1.4	ug/L		7/8/99	SW846 8260B
Diisopropyl ether	< 0.55	0.55	1.8	ug/L		7/8/99	SW846 8260B
Ethylbenzene	< 0.32	0.32	1.0	ug/L		7/8/99	SW846 8260B
Fluorotrichloromethane	< 0.28	0.28	0.89	ug/L		7/8/99	SW846 8260B
Hexachlorobutadiene	< 0.62	0.62	2.0	ug/L		7/8/99	SW846 8260B
Isopropylbenzene	< 0.26	0.26	0.83	ug/L		7/8/99	SW846 8260B
p-Isopropyltoluene	< 0.24	0.24	0.76	ug/L		7/8/99	SW846 8260B
Methylene chloride	< 0.36	0.36	1.1	ug/L		7/8/99	SW846 8260B
Methyl-tert-butyl-ether	< 0.32	0.32	1.0	ug/L		7/8/99	SW846 8260B
Naphthalene	< 0.35	0.35	1.1	ug/L		7/8/99	SW846 8260B
n-Propylbenzene	< 0.76	0.76	2.4	ug/L		7/8/99	SW846 8260B
Styrene	< 0.17	0.17	0.54	ug/L		7/8/99	SW846 8260B
1,1,2,2-Tetrachloroethane	< 0.69	0.69	2.2	ug/L		7/8/99	SW846 8260B
1,1,1,2-Tetrachloroethane	< 0.70	0.70	2.2	ug/L		7/8/99	SW846 8260B
Tetrachloroethene	< 0.43	0.43	1.4	ug/L		7/8/99	SW846 8260B
Toluene	0.67	0.27	0.86	ug/L	Q	7/8/99	SW846 8260B
1,2,3-Trichlorobenzene	< 0.47	0.47	1.5	ug/L		7/8/99	SW846 8260B
1,2,4-Trichlorobenzene	< 0.27	0.27	0.86	ug/L		7/8/99	SW846 8260B
1,1,1-Trichloroethane	41	0.30	0.96	ug/L		7/8/99	SW846 8260B
1,1,2-Trichloroethane	< 0.61	0.61	1.9	ug/L		7/8/99	SW846 8260B
1,2,4-Trimethylbenzene	< 0.22	0.22	0.70	ug/L		7/8/99	SW846 8260B
Trichloroethene	91	0.37	1.2	ug/L		7/8/99	SW846 8260B
1,2,3-Trichloropropane	< 0.75	0.75	2.4	ug/L		7/8/99	SW846 8260B
1,3,5-Trimethylbenzene	< 0.27	0.27	0.86	ug/L		7/8/99	SW846 8260B
Vinyl chloride	1.1	0.20	0.64	ug/L		7/8/99	SW846 8260B
Xylenes, -m, -p	< 0.43	0.43	1.4	ug/L		7/8/99	SW846 8260B
Xylene, -o	< 0.24	0.24	0.76	ug/L		7/8/99	SW846 8260B
4-Bromofluorobenzene	108			%Recov		7/8/99	SW846 8260B
Dibromofluoromethane	90			%Recov		7/8/99	SW846 8260B
Toluene-d8	96			%Recov		7/8/99	SW846 8260B



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## - Analytical Report -

Project Name : TECUMSEH  
Project Number : #1177  
Field ID : MW-12  
Lab Sample Number : 893767-004  
WI DNR LAB ID : 405132750

Client : MORaine ENVIRONMENTAL INC  
Report Date : 7/13/99  
Collection Date : 7/6/99  
Matrix Type : WATER

### Organic Results

#### EPA 8260 VOLATILE LIST- WATER

Prep Method: SW846 5030B Prep Date: 7/12/99 Analyst: JJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 1.4	1.4	4.5		ug/L		7/12/99	SW846 8260B
Bromobenzene	< 4.1	4.1	13		ug/L		7/12/99	SW846 8260B
Bromochloromethane	< 2.1	2.1	6.7		ug/L		7/12/99	SW846 8260B
Bromodichloromethane	< 1.5	1.5	4.8		ug/L		7/12/99	SW846 8260B
Bromoform	< 2.2	2.2	7.0		ug/L		7/12/99	SW846 8260B
Bromomethane	< 3.5	3.5	11		ug/L		7/12/99	SW846 8260B
s-Butylbenzene	< 1.4	1.4	4.5		ug/L		7/12/99	SW846 8260B
t-Butylbenzene	< 1.6	1.6	5.1		ug/L		7/12/99	SW846 8260B
n-Butylbenzene	< 1.4	1.4	4.5		ug/L		7/12/99	SW846 8260B
Carbon tetrachloride	< 1.7	1.7	5.4		ug/L		7/12/99	SW846 8260B
Chloroform	< 1.7	1.7	5.4		ug/L		7/12/99	SW846 8260B
Chlorobenzene	< 1.2	1.2	3.8		ug/L		7/12/99	SW846 8260B
Chlorodibromomethane	< 2.1	2.1	6.7		ug/L		7/12/99	SW846 8260B
Chloroethane	< 2.7	2.7	8.6		ug/L		7/12/99	SW846 8260B
Chloromethane	< 3.0	3.0	9.6		ug/L		7/12/99	SW846 8260B
2-Chlorotoluene	< 1.6	1.6	5.1		ug/L		7/12/99	SW846 8260B
4-Chlorotoluene	< 1.6	1.6	5.1		ug/L		7/12/99	SW846 8260B
1,2-Dibromo-3-chloropropane	< 2.0	2.0	6.4		ug/L		7/12/99	SW846 8260B
1,2-Dibromoethane	< 1.9	1.9	6.1		ug/L		7/12/99	SW846 8260B
Dibromomethane	< 2.6	2.6	8.3		ug/L		7/12/99	SW846 8260B
1,3-Dichlorobenzene	< 1.7	1.7	5.4		ug/L		7/12/99	SW846 8260B
1,4-Dichlorobenzene	< 1.5	1.5	4.8		ug/L		7/12/99	SW846 8260B
1,2-Dichloroethane	< 1.8	1.8	5.7		ug/L		7/12/99	SW846 8260B
1,2-Dichlorobenzene	< 1.2	1.2	3.8		ug/L		7/12/99	SW846 8260B
1,1-Dichloroethene	< 2.1	2.1	6.7		ug/L		7/12/99	SW846 8260B
cis-1,2-Dichloroethene	3.6	1.4	4.5		ug/L	Q	7/12/99	SW846 8260B
Dichlorodifluoromethane	< 2.3	2.3	7.3		ug/L		7/12/99	SW846 8260B
trans-1,2-Dichloroethene	< 4.0	4.0	13		ug/L		7/12/99	SW846 8260B
1,2-Dichloropropane	< 1.7	1.7	5.4		ug/L		7/12/99	SW846 8260B
1,1-Dichloroethane	2.3	1.7	5.4		ug/L	Q	7/12/99	SW846 8260B



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### - Analytical Report -

**Project Name : TECUMSEH**

**Project Number : #1177**

**Field ID : MW-12**

**Lab Sample Number : 893767-004**

**WI DNR LAB ID : 405132750**

**Client : MORaine ENVIRONMENTAL INC**

**Report Date : 7/13/99**

**Collection Date : 7/6/99**

**Matrix Type : WATER**

1,3-Dichloropropane	< 2.1	2.1	6.7	ug/L		7/12/99	SW846 8260B
2,2-Dichloropropane	< 1.8	1.8	5.7	ug/L		7/12/99	SW846 8260B
1,1-Dichloropropene	< 4.0	4.0	13	ug/L		7/12/99	SW846 8260B
cis-1,3-Dichloropropene	< 1.6	1.6	5.1	ug/L		7/12/99	SW846 8260B
trans-1,3-Dichloropropene	< 2.1	2.1	6.7	ug/L		7/12/99	SW846 8260B
Diisopropyl ether	< 2.8	2.8	8.9	ug/L		7/12/99	SW846 8260B
Ethylbenzene	< 1.6	1.6	5.1	ug/L		7/12/99	SW846 8260B
Fluorotrichloromethane	< 1.4	1.4	4.5	ug/L		7/12/99	SW846 8260B
Hexachlorobutadiene	< 3.1	3.1	9.9	ug/L		7/12/99	SW846 8260B
Isopropylbenzene	< 1.3	1.3	4.1	ug/L		7/12/99	SW846 8260B
p-Isopropyltoluene	< 1.2	1.2	3.8	ug/L		7/12/99	SW846 8260B
Methylene chloride	2.2	1.8	5.7	ug/L	QB(2.90)	7/12/99	SW846 8260B
Methyl-tert-butyl-ether	< 1.6	1.6	5.1	ug/L		7/12/99	SW846 8260B
Naphthalene	< 1.7	1.7	5.4	ug/L		7/12/99	SW846 8260B
n-Propylbenzene	< 3.8	3.8	12	ug/L		7/12/99	SW846 8260B
Styrene	< 0.85	0.85	2.7	ug/L		7/12/99	SW846 8260B
1,1,2,2-Tetrachloroethane	< 3.4	3.4	11	ug/L		7/12/99	SW846 8260B
1,1,1,2-Tetrachloroethane	< 3.5	3.5	11	ug/L		7/12/99	SW846 8260B
Tetrachloroethene	< 2.1	2.1	6.7	ug/L		7/12/99	SW846 8260B
Toluene	< 1.4	1.4	4.5	ug/L		7/12/99	SW846 8260B
1,2,3-Trichlorobenzene	< 2.3	2.3	7.3	ug/L		7/12/99	SW846 8260B
1,2,4-Trichlorobenzene	< 1.4	1.4	4.5	ug/L		7/12/99	SW846 8260B
1,1,1-Trichloroethane	36	1.5	4.8	ug/L		7/12/99	SW846 8260B
1,1,2-Trichloroethane	< 3.0	3.0	9.6	ug/L		7/12/99	SW846 8260B
1,2,4-Trimethylbenzene	< 1.1	1.1	3.5	ug/L		7/12/99	SW846 8260B
Trichloroethene	660	1.8	5.7	ug/L		7/12/99	SW846 8260B
1,2,3-Trichloropropane	< 3.8	3.8	12	ug/L		7/12/99	SW846 8260B
1,3,5-Trimethylbenzene	< 1.4	1.4	4.5	ug/L		7/12/99	SW846 8260B
Vinyl chloride	< 1.0	1.0	3.2	ug/L		7/12/99	SW846 8260B
Xylenes, -m, -p	< 2.1	2.1	6.7	ug/L		7/12/99	SW846 8260B
Xylene, -o	< 1.2	1.2	3.8	ug/L		7/12/99	SW846 8260B
4-Bromofluorobenzene	86			%Recov		7/12/99	SW846 8260B
Dibromofluoromethane	88			%Recov		7/12/99	SW846 8260B
Toluene-d8	92			%Recov		7/12/99	SW846 8260B



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## - Analytical Report -

Project Name : TECUMSEH

Project Number : #1177

Field ID : MW-18 BR-1

Lab Sample Number : 893767-005

WI DNR LAB ID : 405132750

Client : MORaine ENVIRONMENTAL INC

Report Date : 7/9/99

Collection Date : 7/6/99

Matrix Type : WATER

### Organic Results

EPA 8260 VOLATILE LIST- WATER

Prep Method: SW846 5030B

Prep Date: 7/8/99

Analyst: JJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.27	0.27	0.86		ug/L		7/8/99	SW846 8260B
Bromobenzene	< 0.83	0.83	2.6		ug/L		7/8/99	SW846 8260B
Bromochloromethane	< 0.42	0.42	1.3		ug/L		7/8/99	SW846 8260B
Bromodichloromethane	< 0.30	0.30	0.96		ug/L		7/8/99	SW846 8260B
Bromoform	< 0.44	0.44	1.4		ug/L		7/8/99	SW846 8260B
Bromomethane	< 0.70	0.70	2.2		ug/L		7/8/99	SW846 8260B
s-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/8/99	SW846 8260B
t-Butylbenzene	< 0.32	0.32	1.0		ug/L		7/8/99	SW846 8260B
n-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/8/99	SW846 8260B
Carbon tetrachloride	< 0.34	0.34	1.1		ug/L		7/8/99	SW846 8260B
Chloroform	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B
Chlorobenzene	< 0.23	0.23	0.73		ug/L		7/8/99	SW846 8260B
Chlorodibromomethane	< 0.42	0.42	1.3		ug/L		7/8/99	SW846 8260B
Chloroethane	< 0.54	0.54	1.7		ug/L		7/8/99	SW846 8260B
Chloromethane	< 0.61	0.61	1.9		ug/L		7/8/99	SW846 8260B
2-Chlorotoluene	< 0.31	0.31	0.99		ug/L		7/8/99	SW846 8260B
4-Chlorotoluene	< 0.32	0.32	1.0		ug/L		7/8/99	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.41	0.41	1.3		ug/L		7/8/99	SW846 8260B
1,2-Dibromoethane	< 0.39	0.39	1.2		ug/L		7/8/99	SW846 8260B
Dibromomethane	< 0.53	0.53	1.7		ug/L		7/8/99	SW846 8260B
1,3-Dichlorobenzene	< 0.34	0.34	1.1		ug/L		7/8/99	SW846 8260B
1,4-Dichlorobenzene	< 0.30	0.30	0.96		ug/L		7/8/99	SW846 8260B
1,2-Dichloroethane	< 0.37	0.37	1.2		ug/L		7/8/99	SW846 8260B
1,2-Dichlorobenzene	< 0.25	0.25	0.80		ug/L		7/8/99	SW846 8260B
1,1-Dichloroethene	0.99	0.43	1.4		ug/L	Q	7/8/99	SW846 8260B
cis-1,2-Dichloroethene	4.0	0.28	0.89		ug/L		7/8/99	SW846 8260B
Dichlorodifluoromethane	< 0.47	0.47	1.5		ug/L		7/8/99	SW846 8260B
trans-1,2-Dichloroethene	< 0.79	0.79	2.5		ug/L		7/8/99	SW846 8260B
1,2-Dichloropropane	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B
1,1-Dichloroethane	8.8	0.35	1.1		ug/L		7/8/99	SW846 8260B



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## - Analytical Report -

Project Name : TECUMSEH

Project Number : #1177

Field ID : MW-18 BR-1

Lab Sample Number : 893767-005

WI DNR LAB ID : 405132750

Client : MORaine ENVIRONMENTAL INC

Report Date : 7/9/99

Collection Date : 7/6/99

Matrix Type : WATER

1,3-Dichloropropane	< 0.42	0.42	1.3	ug/L		7/8/99	SW846 8260B
2,2-Dichloropropane	< 0.36	0.36	1.1	ug/L		7/8/99	SW846 8260B
1,1-Dichloropropene	< 0.81	0.81	2.6	ug/L		7/8/99	SW846 8260B
cis-1,3-Dichloropropene	< 0.32	0.32	1.0	ug/L		7/8/99	SW846 8260B
trans-1,3-Dichloropropene	< 0.43	0.43	1.4	ug/L		7/8/99	SW846 8260B
Diisopropyl ether	< 0.55	0.55	1.8	ug/L		7/8/99	SW846 8260B
Ethylbenzene	< 0.32	0.32	1.0	ug/L		7/8/99	SW846 8260B
Fluorotrichloromethane	< 0.28	0.28	0.89	ug/L		7/8/99	SW846 8260B
Hexachlorobutadiene	< 0.62	0.62	2.0	ug/L		7/8/99	SW846 8260B
Isopropylbenzene	< 0.26	0.26	0.83	ug/L		7/8/99	SW846 8260B
p-Isopropyltoluene	< 0.24	0.24	0.76	ug/L		7/8/99	SW846 8260B
Methylene chloride	< 0.36	0.36	1.1	ug/L		7/8/99	SW846 8260B
Methyl-tert-butyl-ether	0.50	0.32	1.0	ug/L	Q	7/8/99	SW846 8260B
Naphthalene	< 0.35	0.35	1.1	ug/L		7/8/99	SW846 8260B
n-Propylbenzene	< 0.76	0.76	2.4	ug/L		7/8/99	SW846 8260B
Styrene	< 0.17	0.17	0.54	ug/L		7/8/99	SW846 8260B
1,1,2,2-Tetrachloroethane	< 0.69	0.69	2.2	ug/L		7/8/99	SW846 8260B
1,1,1,2-Tetrachloroethane	< 0.70	0.70	2.2	ug/L		7/8/99	SW846 8260B
Tetrachloroethene	< 0.43	0.43	1.4	ug/L		7/8/99	SW846 8260B
Toluene	< 0.27	0.27	0.86	ug/L		7/8/99	SW846 8260B
1,2,3-Trichlorobenzene	< 0.47	0.47	1.5	ug/L		7/8/99	SW846 8260B
1,2,4-Trichlorobenzene	< 0.27	0.27	0.86	ug/L		7/8/99	SW846 8260B
1,1,1-Trichloroethane	4.4	0.30	0.96	ug/L		7/8/99	SW846 8260B
1,1,2-Trichloroethane	< 0.61	0.61	1.9	ug/L		7/8/99	SW846 8260B
1,2,4-Trimethylbenzene	< 0.22	0.22	0.70	ug/L		7/8/99	SW846 8260B
Trichloroethene	8.2	0.37	1.2	ug/L		7/8/99	SW846 8260B
1,2,3-Trichloropropane	< 0.75	0.75	2.4	ug/L		7/8/99	SW846 8260B
1,3,5-Trimethylbenzene	< 0.27	0.27	0.86	ug/L		7/8/99	SW846 8260B
Vinyl chloride	< 0.20	0.20	0.64	ug/L		7/8/99	SW846 8260B
Xylenes, -m, -p	< 0.43	0.43	1.4	ug/L		7/8/99	SW846 8260B
Xylene, -o	< 0.24	0.24	0.76	ug/L		7/8/99	SW846 8260B
4-Bromofluorobenzene	110			%Recov		7/8/99	SW846 8260B
Dibromofluoromethane	89			%Recov		7/8/99	SW846 8260B
Toluene-d8	97			%Recov		7/8/99	SW846 8260B



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## - Analytical Report -

Project Name : TECUMSEH

Project Number : #1177

Field ID : MW-18 BR-2

Lab Sample Number : 893767-006

WI DNR LAB ID : 405132750

Client : MORaine ENVIRONMENTAL INC

Report Date : 7/9/99

Collection Date : 7/6/99

Matrix Type : WATER

## Organic Results

EPA 8260 VOLATILE LIST- WATER

Prep Method: SW846 5030B

Prep Date: 7/8/99

Analyst: JJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.27	0.27	0.86		ug/L		7/8/99	SW846 8260B
Bromobenzene	< 0.83	0.83	2.6		ug/L		7/8/99	SW846 8260B
Bromochloromethane	< 0.42	0.42	1.3		ug/L		7/8/99	SW846 8260B
Bromodichloromethane	< 0.30	0.30	0.96		ug/L		7/8/99	SW846 8260B
Bromoform	< 0.44	0.44	1.4		ug/L		7/8/99	SW846 8260B
Bromomethane	< 0.70	0.70	2.2		ug/L		7/8/99	SW846 8260B
s-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/8/99	SW846 8260B
t-Butylbenzene	< 0.32	0.32	1.0		ug/L		7/8/99	SW846 8260B
n-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/8/99	SW846 8260B
Carbon tetrachloride	< 0.34	0.34	1.1		ug/L		7/8/99	SW846 8260B
Chloroform	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B
Chlorobenzene	< 0.23	0.23	0.73		ug/L		7/8/99	SW846 8260B
Chlorodibromomethane	< 0.42	0.42	1.3		ug/L		7/8/99	SW846 8260B
Chloroethane	< 0.54	0.54	1.7		ug/L		7/8/99	SW846 8260B
Chloromethane	< 0.61	0.61	1.9		ug/L		7/8/99	SW846 8260B
2-Chlorotoluene	< 0.31	0.31	0.99		ug/L		7/8/99	SW846 8260B
4-Chlorotoluene	< 0.32	0.32	1.0		ug/L		7/8/99	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.41	0.41	1.3		ug/L		7/8/99	SW846 8260B
1,2-Dibromoethane	< 0.39	0.39	1.2		ug/L		7/8/99	SW846 8260B
Dibromomethane	< 0.53	0.53	1.7		ug/L		7/8/99	SW846 8260B
1,3-Dichlorobenzene	< 0.34	0.34	1.1		ug/L		7/8/99	SW846 8260B
1,4-Dichlorobenzene	< 0.30	0.30	0.96		ug/L		7/8/99	SW846 8260B
1,2-Dichloroethane	< 0.37	0.37	1.2		ug/L		7/8/99	SW846 8260B
1,2-Dichlorobenzene	< 0.25	0.25	0.80		ug/L		7/8/99	SW846 8260B
1,1-Dichloroethene	6.9	0.43	1.4		ug/L		7/8/99	SW846 8260B
cis-1,2-Dichloroethene	25	0.28	0.89		ug/L		7/8/99	SW846 8260B
Dichlorodifluoromethane	< 0.47	0.47	1.5		ug/L		7/8/99	SW846 8260B
trans-1,2-Dichloroethene	< 0.79	0.79	2.5		ug/L		7/8/99	SW846 8260B
1,2-Dichloropropane	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B
1,1-Dichloroethane	41	0.35	1.1		ug/L		7/8/99	SW846 8260B





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## - Analytical Report -

Project Name : TECUMSEH

Project Number : #1177

Field ID : MW-18 BR-2

Lab Sample Number : 893767-006

WI DNR LAB ID : 405132750

Client : MORaine ENVIRONMENTAL INC

Report Date : 7/9/99

Collection Date : 7/6/99

Matrix Type : WATER

1,3-Dichloropropane	< 0.42	0.42	1.3	ug/L	7/8/99	SW846 8260B
2,2-Dichloropropane	< 0.36	0.36	1.1	ug/L	7/8/99	SW846 8260B
1,1-Dichloropropene	< 0.81	0.81	2.6	ug/L	7/8/99	SW846 8260B
cis-1,3-Dichloropropene	< 0.32	0.32	1.0	ug/L	7/8/99	SW846 8260B
trans-1,3-Dichloropropene	< 0.43	0.43	1.4	ug/L	7/8/99	SW846 8260B
Diisopropyl ether	< 0.55	0.55	1.8	ug/L	7/8/99	SW846 8260B
Ethylbenzene	< 0.32	0.32	1.0	ug/L	7/8/99	SW846 8260B
Fluorotrichloromethane	< 0.28	0.28	0.89	ug/L	7/8/99	SW846 8260B
Hexachlorobutadiene	< 0.62	0.62	2.0	ug/L	7/8/99	SW846 8260B
Isopropylbenzene	< 0.26	0.26	0.83	ug/L	7/8/99	SW846 8260B
p-Isopropyltoluene	< 0.24	0.24	0.76	ug/L	7/8/99	SW846 8260B
Methylene chloride	< 0.36	0.36	1.1	ug/L	7/8/99	SW846 8260B
Methyl-tert-butyl-ether	< 0.32	0.32	1.0	ug/L	7/8/99	SW846 8260B
Naphthalene	< 0.35	0.35	1.1	ug/L	7/8/99	SW846 8260B
n-Propylbenzene	< 0.76	0.76	2.4	ug/L	7/8/99	SW846 8260B
Styrene	< 0.17	0.17	0.54	ug/L	7/8/99	SW846 8260B
1,1,2,2-Tetrachloroethane	< 0.69	0.69	2.2	ug/L	7/8/99	SW846 8260B
1,1,1,2-Tetrachloroethane	< 0.70	0.70	2.2	ug/L	7/8/99	SW846 8260B
Tetrachloroethene	< 0.43	0.43	1.4	ug/L	7/8/99	SW846 8260B
Toluene	< 0.27	0.27	0.86	ug/L	7/8/99	SW846 8260B
1,2,3-Trichlorobenzene	< 0.47	0.47	1.5	ug/L	7/8/99	SW846 8260B
1,2,4-Trichlorobenzene	< 0.27	0.27	0.86	ug/L	7/8/99	SW846 8260B
1,1,1-Trichloroethane	30	0.30	0.96	ug/L	7/8/99	SW846 8260B
1,1,2-Trichloroethane	< 0.61	0.61	1.9	ug/L	7/8/99	SW846 8260B
1,2,4-Trimethylbenzene	< 0.22	0.22	0.70	ug/L	7/8/99	SW846 8260B
Trichloroethene	46	0.37	1.2	ug/L	7/8/99	SW846 8260B
1,2,3-Trichloropropane	< 0.75	0.75	2.4	ug/L	7/8/99	SW846 8260B
1,3,5-Trimethylbenzene	< 0.27	0.27	0.86	ug/L	7/8/99	SW846 8260B
Vinyl chloride	< 0.20	0.20	0.64	ug/L	7/8/99	SW846 8260B
Xylenes, -m, -p	< 0.43	0.43	1.4	ug/L	7/8/99	SW846 8260B
Xylene, -o	< 0.24	0.24	0.76	ug/L	7/8/99	SW846 8260B
4-Bromofluorobenzene	108			%Recov	7/8/99	SW846 8260B
Dibromofluoromethane	90			%Recov	7/8/99	SW846 8260B
Toluene-d8	97			%Recov	7/8/99	SW846 8260B



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## - Analytical Report -

Project Name : TECUMSEH

Project Number : #1177

Field ID : MW-19 BR-1

Lab Sample Number : 893767-007

WI DNR LAB ID : 405132750

Client : MORaine ENVIRONMENTAL INC

Report Date : 7/9/99

Collection Date : 7/6/99

Matrix Type : WATER

### Organic Results

EPA 8260 VOLATILE LIST- WATER

Prep Method: SW846 5030B

Prep Date: 7/8/99

Analyst: JJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.27	0.27	0.86		ug/L		7/8/99	SW846 8260B
Bromobenzene	< 0.83	0.83	2.6		ug/L		7/8/99	SW846 8260B
Bromochloromethane	< 0.42	0.42	1.3		ug/L		7/8/99	SW846 8260B
Bromodichloromethane	< 0.30	0.30	0.96		ug/L		7/8/99	SW846 8260B
Bromoform	< 0.44	0.44	1.4		ug/L		7/8/99	SW846 8260B
Bromomethane	< 0.70	0.70	2.2		ug/L		7/8/99	SW846 8260B
s-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/8/99	SW846 8260B
t-Butylbenzene	< 0.32	0.32	1.0		ug/L		7/8/99	SW846 8260B
n-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/8/99	SW846 8260B
Carbon tetrachloride	< 0.34	0.34	1.1		ug/L		7/8/99	SW846 8260B
Chloroform	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B
Chlorobenzene	< 0.23	0.23	0.73		ug/L		7/8/99	SW846 8260B
Chlorodibromomethane	< 0.42	0.42	1.3		ug/L		7/8/99	SW846 8260B
Chloroethane	< 0.54	0.54	1.7		ug/L		7/8/99	SW846 8260B
Chloromethane	< 0.61	0.61	1.9		ug/L		7/8/99	SW846 8260B
2-Chlorotoluene	< 0.31	0.31	0.99		ug/L		7/8/99	SW846 8260B
4-Chlorotoluene	< 0.32	0.32	1.0		ug/L		7/8/99	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.41	0.41	1.3		ug/L		7/8/99	SW846 8260B
1,2-Dibromoethane	< 0.39	0.39	1.2		ug/L		7/8/99	SW846 8260B
Dibromomethane	< 0.53	0.53	1.7		ug/L		7/8/99	SW846 8260B
1,3-Dichlorobenzene	< 0.34	0.34	1.1		ug/L		7/8/99	SW846 8260B
1,4-Dichlorobenzene	< 0.30	0.30	0.96		ug/L		7/8/99	SW846 8260B
1,2-Dichloroethane	< 0.37	0.37	1.2		ug/L		7/8/99	SW846 8260B
1,2-Dichlorobenzene	< 0.25	0.25	0.80		ug/L		7/8/99	SW846 8260B
1,1-Dichloroethene	6.2	0.43	1.4		ug/L		7/8/99	SW846 8260B
cis-1,2-Dichloroethene	27	0.28	0.89		ug/L		7/8/99	SW846 8260B
Dichlorodifluoromethane	< 0.47	0.47	1.5		ug/L		7/8/99	SW846 8260B
trans-1,2-Dichloroethene	< 0.79	0.79	2.5		ug/L		7/8/99	SW846 8260B
1,2-Dichloropropane	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B
1,1-Dichloroethane	60	0.35	1.1		ug/L		7/8/99	SW846 8260B



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## - Analytical Report -

**Project Name : TECUMSEH**

**Project Number : #1177**

**Field ID : MW-19 BR-1**

**Lab Sample Number : 893767-007**

**WI DNR LAB ID : 405132750**

**Client : MORaine ENVIRONMENTAL INC**

**Report Date : 7/9/99**

**Collection Date : 7/6/99**

**Matrix Type : WATER**

1,3-Dichloropropane	< 0.42	0.42	1.3	ug/L	7/8/99	SW846 8260B
2,2-Dichloropropane	< 0.36	0.36	1.1	ug/L	7/8/99	SW846 8260B
1,1-Dichloropropene	< 0.81	0.81	2.6	ug/L	7/8/99	SW846 8260B
cis-1,3-Dichloropropene	< 0.32	0.32	1.0	ug/L	7/8/99	SW846 8260B
trans-1,3-Dichloropropene	< 0.43	0.43	1.4	ug/L	7/8/99	SW846 8260B
Diisopropyl ether	< 0.55	0.55	1.8	ug/L	7/8/99	SW846 8260B
Ethylbenzene	< 0.32	0.32	1.0	ug/L	7/8/99	SW846 8260B
Fluorotrichloromethane	< 0.28	0.28	0.89	ug/L	7/8/99	SW846 8260B
Hexachlorobutadiene	< 0.62	0.62	2.0	ug/L	7/8/99	SW846 8260B
Isopropylbenzene	< 0.26	0.26	0.83	ug/L	7/8/99	SW846 8260B
p-Isopropyltoluene	< 0.24	0.24	0.76	ug/L	7/8/99	SW846 8260B
Methylene chloride	< 0.36	0.36	1.1	ug/L	7/8/99	SW846 8260B
Methyl-tert-butyl-ether	< 0.32	0.32	1.0	ug/L	7/8/99	SW846 8260B
Naphthalene	< 0.35	0.35	1.1	ug/L	7/8/99	SW846 8260B
n-Propylbenzene	< 0.76	0.76	2.4	ug/L	7/8/99	SW846 8260B
Styrene	< 0.17	0.17	0.54	ug/L	7/8/99	SW846 8260B
1,1,2,2-Tetrachloroethane	< 0.69	0.69	2.2	ug/L	7/8/99	SW846 8260B
1,1,1,2-Tetrachloroethane	< 0.70	0.70	2.2	ug/L	7/8/99	SW846 8260B
Tetrachloroethene	< 0.43	0.43	1.4	ug/L	7/8/99	SW846 8260B
Toluene	< 0.27	0.27	0.86	ug/L	7/8/99	SW846 8260B
1,2,3-Trichlorobenzene	< 0.47	0.47	1.5	ug/L	7/8/99	SW846 8260B
1,2,4-Trichlorobenzene	< 0.27	0.27	0.86	ug/L	7/8/99	SW846 8260B
1,1,1-Trichloroethane	1.4	0.30	0.96	ug/L	7/8/99	SW846 8260B
1,1,2-Trichloroethane	< 0.61	0.61	1.9	ug/L	7/8/99	SW846 8260B
1,2,4-Trimethylbenzene	< 0.22	0.22	0.70	ug/L	7/8/99	SW846 8260B
Trichloroethene	150	0.37	1.2	ug/L	7/8/99	SW846 8260B
1,2,3-Trichloropropane	< 0.75	0.75	2.4	ug/L	7/8/99	SW846 8260B
1,3,5-Trimethylbenzene	< 0.27	0.27	0.86	ug/L	7/8/99	SW846 8260B
Vinyl chloride	1.1	0.20	0.64	ug/L	7/8/99	SW846 8260B
Xylenes, -m, -p	< 0.43	0.43	1.4	ug/L	7/8/99	SW846 8260B
Xylene, -o	< 0.24	0.24	0.76	ug/L	7/8/99	SW846 8260B
4-Bromofluorobenzene	109			%Recov	7/8/99	SW846 8260B
Dibromofluoromethane	89			%Recov	7/8/99	SW846 8260B
Toluene-d8	96			%Recov	7/8/99	SW846 8260B



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## - Analytical Report -

Project Name : TECUMSEH

Project Number : #1177

Field ID : MW-19 BR-2

Lab Sample Number : 893767-008

WI DNR LAB ID : 405132750

Client : MORaine ENVIRONMENTAL INC

Report Date : 7/9/99

Collection Date : 7/6/99

Matrix Type : WATER

### Organic Results

EPA 8260 VOLATILE LIST- WATER

Prep Method: SW846 5030B

Prep Date: 7/8/99

Analyst: JJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.27	0.27	0.86		ug/L		7/8/99	SW846 8260B
Bromobenzene	< 0.83	0.83	2.6		ug/L		7/8/99	SW846 8260B
Bromochloromethane	< 0.42	0.42	1.3		ug/L		7/8/99	SW846 8260B
Bromodichloromethane	< 0.30	0.30	0.96		ug/L		7/8/99	SW846 8260B
Bromoform	< 0.44	0.44	1.4		ug/L		7/8/99	SW846 8260B
Bromomethane	< 0.70	0.70	2.2		ug/L		7/8/99	SW846 8260B
s-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/8/99	SW846 8260B
t-Butylbenzene	< 0.32	0.32	1.0		ug/L		7/8/99	SW846 8260B
n-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/8/99	SW846 8260B
Carbon tetrachloride	< 0.34	0.34	1.1		ug/L		7/8/99	SW846 8260B
Chloroform	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B
Chlorobenzene	< 0.23	0.23	0.73		ug/L		7/8/99	SW846 8260B
Chlorodibromomethane	< 0.42	0.42	1.3		ug/L		7/8/99	SW846 8260B
Chloroethane	1.8	0.54	1.7		ug/L		7/8/99	SW846 8260B
Chloromethane	< 0.61	0.61	1.9		ug/L		7/8/99	SW846 8260B
2-Chlorotoluene	< 0.31	0.31	0.99		ug/L		7/8/99	SW846 8260B
4-Chlorotoluene	< 0.32	0.32	1.0		ug/L		7/8/99	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.41	0.41	1.3		ug/L		7/8/99	SW846 8260B
1,2-Dibromoethane	< 0.39	0.39	1.2		ug/L		7/8/99	SW846 8260B
Dibromomethane	< 0.53	0.53	1.7		ug/L		7/8/99	SW846 8260B
1,3-Dichlorobenzene	< 0.34	0.34	1.1		ug/L		7/8/99	SW846 8260B
1,4-Dichlorobenzene	< 0.30	0.30	0.96		ug/L		7/8/99	SW846 8260B
1,2-Dichloroethane	< 0.37	0.37	1.2		ug/L		7/8/99	SW846 8260B
1,2-Dichlorobenzene	< 0.25	0.25	0.80		ug/L		7/8/99	SW846 8260B
1,1-Dichloroethene	0.89	0.43	1.4		ug/L	Q	7/8/99	SW846 8260B
cis-1,2-Dichloroethene	4.3	0.28	0.89		ug/L		7/8/99	SW846 8260B
Dichlorodifluoromethane	< 0.47	0.47	1.5		ug/L		7/8/99	SW846 8260B
trans-1,2-Dichloroethene	< 0.79	0.79	2.5		ug/L		7/8/99	SW846 8260B
1,2-Dichloropropane	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B
1,1-Dichloroethane	11	0.35	1.1		ug/L		7/8/99	SW846 8260B



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### - Analytical Report -

**Project Name :** TECUMSEH

**Project Number :** #1177

**Field ID :** MW-19 BR-2

**Lab Sample Number :** 893767-008

**WI DNR LAB ID :** 405132750

**Client :** MORaine ENVIRONMENTAL INC

**Report Date :** 7/9/99

**Collection Date :** 7/6/99

**Matrix Type :** WATER

1,3-Dichloropropane	< 0.42	0.42	1.3	ug/L		7/8/99	SW846 8260B
2,2-Dichloropropane	< 0.36	0.36	1.1	ug/L		7/8/99	SW846 8260B
1,1-Dichloropropene	< 0.81	0.81	2.6	ug/L		7/8/99	SW846 8260B
cis-1,3-Dichloropropene	< 0.32	0.32	1.0	ug/L		7/8/99	SW846 8260B
trans-1,3-Dichloropropene	< 0.43	0.43	1.4	ug/L		7/8/99	SW846 8260B
Diisopropyl ether	< 0.55	0.55	1.8	ug/L		7/8/99	SW846 8260B
Ethylbenzene	< 0.32	0.32	1.0	ug/L		7/8/99	SW846 8260B
Fluorotrichloromethane	< 0.28	0.28	0.89	ug/L		7/8/99	SW846 8260B
Hexachlorobutadiene	< 0.62	0.62	2.0	ug/L		7/8/99	SW846 8260B
Isopropylbenzene	< 0.26	0.26	0.83	ug/L		7/8/99	SW846 8260B
p-Isopropyltoluene	< 0.24	0.24	0.76	ug/L		7/8/99	SW846 8260B
Methylene chloride	< 0.36	0.36	1.1	ug/L		7/8/99	SW846 8260B
Methyl-tert-butyl-ether	< 0.32	0.32	1.0	ug/L		7/8/99	SW846 8260B
Naphthalene	< 0.35	0.35	1.1	ug/L		7/8/99	SW846 8260B
n-Propylbenzene	< 0.76	0.76	2.4	ug/L		7/8/99	SW846 8260B
Styrene	< 0.17	0.17	0.54	ug/L		7/8/99	SW846 8260B
1,1,2,2-Tetrachloroethane	< 0.69	0.69	2.2	ug/L		7/8/99	SW846 8260B
1,1,1,2-Tetrachloroethane	< 0.70	0.70	2.2	ug/L		7/8/99	SW846 8260B
Tetrachloroethene	< 0.43	0.43	1.4	ug/L		7/8/99	SW846 8260B
Toluene	0.29	0.27	0.86	ug/L	Q	7/8/99	SW846 8260B
1,2,3-Trichlorobenzene	< 0.47	0.47	1.5	ug/L		7/8/99	SW846 8260B
1,2,4-Trichlorobenzene	< 0.27	0.27	0.86	ug/L		7/8/99	SW846 8260B
1,1,1-Trichloroethane	< 0.30	0.30	0.96	ug/L		7/8/99	SW846 8260B
1,1,2-Trichloroethane	< 0.61	0.61	1.9	ug/L		7/8/99	SW846 8260B
1,2,4-Trimethylbenzene	< 0.22	0.22	0.70	ug/L		7/8/99	SW846 8260B
Trichloroethene	11	0.37	1.2	ug/L		7/8/99	SW846 8260B
1,2,3-Trichloropropane	< 0.75	0.75	2.4	ug/L		7/8/99	SW846 8260B
1,3,5-Trimethylbenzene	< 0.27	0.27	0.86	ug/L		7/8/99	SW846 8260B
Vinyl chloride	0.69	0.20	0.64	ug/L		7/8/99	SW846 8260B
Xylenes, -m, -p	< 0.43	0.43	1.4	ug/L		7/8/99	SW846 8260B
Xylene, -o	< 0.24	0.24	0.76	ug/L		7/8/99	SW846 8260B
4-Bromofluorobenzene	107			%Recov		7/8/99	SW846 8260B
Dibromofluoromethane	89			%Recov		7/8/99	SW846 8260B
Toluene-d8	96			%Recov		7/8/99	SW846 8260B



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## - Analytical Report -

Project Name : TECUMSEH

Project Number : #1177

Field ID : MW-20 BR-1

Lab Sample Number : 893767-009

WI DNR LAB ID : 405132750

Client : MORaine ENVIRONMENTAL INC

Report Date : 7/9/99

Collection Date : 7/6/99

Matrix Type : WATER

## Organic Results

EPA 8260 VOLATILE LIST- WATER

Prep Method: SW846 5030B

Prep Date: 7/8/99

Analyst: JJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.27	0.27	0.86		ug/L		7/8/99	SW846 8260B
Bromobenzene	< 0.83	0.83	2.6		ug/L		7/8/99	SW846 8260B
Bromochloromethane	< 0.42	0.42	1.3		ug/L		7/8/99	SW846 8260B
Bromodichloromethane	< 0.30	0.30	0.96		ug/L		7/8/99	SW846 8260B
Bromoform	< 0.44	0.44	1.4		ug/L		7/8/99	SW846 8260B
Bromomethane	< 0.70	0.70	2.2		ug/L		7/8/99	SW846 8260B
s-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/8/99	SW846 8260B
t-Butylbenzene	< 0.32	0.32	1.0		ug/L		7/8/99	SW846 8260B
n-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/8/99	SW846 8260B
Carbon tetrachloride	< 0.34	0.34	1.1		ug/L		7/8/99	SW846 8260B
Chloroform	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B
Chlorobenzene	< 0.23	0.23	0.73		ug/L		7/8/99	SW846 8260B
Chlorodibromomethane	< 0.42	0.42	1.3		ug/L		7/8/99	SW846 8260B
Chloroethane	< 0.54	0.54	1.7		ug/L		7/8/99	SW846 8260B
Chloromethane	< 0.61	0.61	1.9		ug/L		7/8/99	SW846 8260B
2-Chlorotoluene	< 0.31	0.31	0.99		ug/L		7/8/99	SW846 8260B
4-Chlorotoluene	< 0.32	0.32	1.0		ug/L		7/8/99	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.41	0.41	1.3		ug/L		7/8/99	SW846 8260B
1,2-Dibromoethane	< 0.39	0.39	1.2		ug/L		7/8/99	SW846 8260B
Dibromomethane	< 0.53	0.53	1.7		ug/L		7/8/99	SW846 8260B
1,3-Dichlorobenzene	< 0.34	0.34	1.1		ug/L		7/8/99	SW846 8260B
1,4-Dichlorobenzene	< 0.30	0.30	0.96		ug/L		7/8/99	SW846 8260B
1,2-Dichloroethane	< 0.37	0.37	1.2		ug/L		7/8/99	SW846 8260B
1,2-Dichlorobenzene	< 0.25	0.25	0.80		ug/L		7/8/99	SW846 8260B
1,1-Dichloroethene	< 0.43	0.43	1.4		ug/L		7/8/99	SW846 8260B
cis-1,2-Dichloroethene	< 0.28	0.28	0.89		ug/L		7/8/99	SW846 8260B
Dichlorodifluoromethane	< 0.47	0.47	1.5		ug/L		7/8/99	SW846 8260B
trans-1,2-Dichloroethene	< 0.79	0.79	2.5		ug/L		7/8/99	SW846 8260B
1,2-Dichloropropane	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B
1,1-Dichloroethane	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B



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**- Analytical Report -**

**Project Name : TECUMSEH**

**Project Number : #1177**

**Field ID : MW-20 BR-1**

**Lab Sample Number : 893767-009**

**WI DNR LAB ID : 405132750**

**Client : MORaine ENVIRONMENTAL INC**

**Report Date : 7/9/99**

**Collection Date : 7/6/99**

**Matrix Type : WATER**

1,3-Dichloropropane	< 0.42	0.42	1.3	ug/L	7/8/99	SW846 8260B
2,2-Dichloropropane	< 0.36	0.36	1.1	ug/L	7/8/99	SW846 8260B
1,1-Dichloropropene	< 0.81	0.81	2.6	ug/L	7/8/99	SW846 8260B
cis-1,3-Dichloropropene	< 0.32	0.32	1.0	ug/L	7/8/99	SW846 8260B
trans-1,3-Dichloropropene	< 0.43	0.43	1.4	ug/L	7/8/99	SW846 8260B
Diisopropyl ether	< 0.55	0.55	1.8	ug/L	7/8/99	SW846 8260B
Ethylbenzene	< 0.32	0.32	1.0	ug/L	7/8/99	SW846 8260B
Fluorotrichloromethane	< 0.28	0.28	0.89	ug/L	7/8/99	SW846 8260B
Hexachlorobutadiene	< 0.62	0.62	2.0	ug/L	7/8/99	SW846 8260B
Isopropylbenzene	< 0.26	0.26	0.83	ug/L	7/8/99	SW846 8260B
p-Isopropyltoluene	< 0.24	0.24	0.76	ug/L	7/8/99	SW846 8260B
Methylene chloride	< 0.36	0.36	1.1	ug/L	7/8/99	SW846 8260B
Methyl-tert-butyl-ether	< 0.32	0.32	1.0	ug/L	7/8/99	SW846 8260B
Naphthalene	< 0.35	0.35	1.1	ug/L	7/8/99	SW846 8260B
n-Propylbenzene	< 0.76	0.76	2.4	ug/L	7/8/99	SW846 8260B
Styrene	< 0.17	0.17	0.54	ug/L	7/8/99	SW846 8260B
1,1,2,2-Tetrachloroethane	< 0.69	0.69	2.2	ug/L	7/8/99	SW846 8260B
1,1,1,2-Tetrachloroethane	< 0.70	0.70	2.2	ug/L	7/8/99	SW846 8260B
Tetrachloroethene	< 0.43	0.43	1.4	ug/L	7/8/99	SW846 8260B
Toluene	< 0.27	0.27	0.86	ug/L	7/8/99	SW846 8260B
1,2,3-Trichlorobenzene	< 0.47	0.47	1.5	ug/L	7/8/99	SW846 8260B
1,2,4-Trichlorobenzene	< 0.27	0.27	0.86	ug/L	7/8/99	SW846 8260B
1,1,1-Trichloroethane	< 0.30	0.30	0.96	ug/L	7/8/99	SW846 8260B
1,1,2-Trichloroethane	< 0.61	0.61	1.9	ug/L	7/8/99	SW846 8260B
1,2,4-Trimethylbenzene	< 0.22	0.22	0.70	ug/L	7/8/99	SW846 8260B
Trichloroethene	< 0.37	0.37	1.2	ug/L	7/8/99	SW846 8260B
1,2,3-Trichloropropane	< 0.75	0.75	2.4	ug/L	7/8/99	SW846 8260B
1,3,5-Trimethylbenzene	< 0.27	0.27	0.86	ug/L	7/8/99	SW846 8260B
Vinyl chloride	0.38	0.20	0.64	ug/L	Q 7/8/99	SW846 8260B
Xylenes, -m, -p	< 0.43	0.43	1.4	ug/L	7/8/99	SW846 8260B
Xylene, -o	< 0.24	0.24	0.76	ug/L	7/8/99	SW846 8260B
4-Bromofluorobenzene	108			%Recov	7/8/99	SW846 8260B
Dibromofluoromethane	89			%Recov	7/8/99	SW846 8260B
Toluene-d8	97			%Recov	7/8/99	SW846 8260B



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## - Analytical Report -

Project Name : TECUMSEH  
Project Number : #1177  
Field ID : MW-20 BR-2  
Lab Sample Number : 893767-010  
WI DNR LAB ID : 405132750

Client : MORaine ENVIRONMENTAL INC  
Report Date : 7/12/99  
Collection Date : 7/6/99  
Matrix Type : WATER

### Organic Results

#### EPA 8260 VOLATILE LIST- WATER

Prep Method: SW846 5030B Prep Date: 7/9/99 Analyst: JJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.27	0.27	0.86		ug/L		7/9/99	SW846 8260B
Bromobenzene	< 0.83	0.83	2.6		ug/L		7/9/99	SW846 8260B
Bromochloromethane	< 0.42	0.42	1.3		ug/L		7/9/99	SW846 8260B
Bromodichloromethane	< 0.30	0.30	0.96		ug/L		7/9/99	SW846 8260B
Bromoform	< 0.44	0.44	1.4		ug/L		7/9/99	SW846 8260B
Bromomethane	< 0.70	0.70	2.2		ug/L		7/9/99	SW846 8260B
s-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/9/99	SW846 8260B
t-Butylbenzene	< 0.32	0.32	1.0		ug/L		7/9/99	SW846 8260B
n-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/9/99	SW846 8260B
Carbon tetrachloride	< 0.34	0.34	1.1		ug/L		7/9/99	SW846 8260B
Chloroform	< 0.35	0.35	1.1		ug/L		7/9/99	SW846 8260B
Chlorobenzene	< 0.23	0.23	0.73		ug/L		7/9/99	SW846 8260B
Chlorodibromomethane	< 0.42	0.42	1.3		ug/L		7/9/99	SW846 8260B
Chloroethane	< 0.54	0.54	1.7		ug/L		7/9/99	SW846 8260B
Chloromethane	< 0.61	0.61	1.9		ug/L		7/9/99	SW846 8260B
2-Chlorotoluene	< 0.31	0.31	0.99		ug/L		7/9/99	SW846 8260B
4-Chlorotoluene	< 0.32	0.32	1.0		ug/L		7/9/99	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.41	0.41	1.3		ug/L		7/9/99	SW846 8260B
1,2-Dibromoethane	< 0.39	0.39	1.2		ug/L		7/9/99	SW846 8260B
Dibromomethane	< 0.53	0.53	1.7		ug/L		7/9/99	SW846 8260B
1,3-Dichlorobenzene	< 0.34	0.34	1.1		ug/L		7/9/99	SW846 8260B
1,4-Dichlorobenzene	< 0.30	0.30	0.96		ug/L		7/9/99	SW846 8260B
1,2-Dichloroethane	< 0.37	0.37	1.2		ug/L		7/9/99	SW846 8260B
1,2-Dichlorobenzene	< 0.25	0.25	0.80		ug/L		7/9/99	SW846 8260B
1,1-Dichloroethene	< 0.43	0.43	1.4		ug/L		7/9/99	SW846 8260B
cis-1,2-Dichloroethene	< 0.28	0.28	0.89		ug/L		7/9/99	SW846 8260B
Dichlorodifluoromethane	< 0.47	0.47	1.5		ug/L		7/9/99	SW846 8260B
trans-1,2-Dichloroethene	< 0.79	0.79	2.5		ug/L		7/9/99	SW846 8260B
1,2-Dichloropropane	< 0.35	0.35	1.1		ug/L		7/9/99	SW846 8260B
1,1-Dichloroethane	< 0.35	0.35	1.1		ug/L		7/9/99	SW846 8260B





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**- Analytical Report -**

**Project Name : TECUMSEH**

**Project Number : #1177**

**Field ID : MW-20 BR-2**

**Lab Sample Number : 893767-010**

**WI DNR LAB ID : 405132750**

**Client : MORaine ENVIRONMENTAL INC**

**Report Date : 7/12/99**

**Collection Date : 7/6/99**

**Matrix Type : WATER**

1,3-Dichloropropane	< 0.42	0.42	1.3	ug/L	7/9/99	SW846 8260B
2,2-Dichloropropane	< 0.36	0.36	1.1	ug/L	7/9/99	SW846 8260B
1,1-Dichloropropene	< 0.81	0.81	2.6	ug/L	7/9/99	SW846 8260B
cis-1,3-Dichloropropene	< 0.32	0.32	1.0	ug/L	7/9/99	SW846 8260B
trans-1,3-Dichloropropene	< 0.43	0.43	1.4	ug/L	7/9/99	SW846 8260B
Diisopropyl ether	< 0.55	0.55	1.8	ug/L	7/9/99	SW846 8260B
Ethylbenzene	< 0.32	0.32	1.0	ug/L	7/9/99	SW846 8260B
Fluorotrichloromethane	< 0.28	0.28	0.89	ug/L	7/9/99	SW846 8260B
Hexachlorobutadiene	< 0.62	0.62	2.0	ug/L	7/9/99	SW846 8260B
Isopropylbenzene	< 0.26	0.26	0.83	ug/L	7/9/99	SW846 8260B
p-Isopropyltoluene	< 0.24	0.24	0.76	ug/L	7/9/99	SW846 8260B
Methylene chloride	< 0.36	0.36	1.1	ug/L	7/9/99	SW846 8260B
Methyl-tert-butyl-ether	< 0.32	0.32	1.0	ug/L	7/9/99	SW846 8260B
Naphthalene	< 0.35	0.35	1.1	ug/L	7/9/99	SW846 8260B
n-Propylbenzene	< 0.76	0.76	2.4	ug/L	7/9/99	SW846 8260B
Styrene	< 0.17	0.17	0.54	ug/L	7/9/99	SW846 8260B
1,1,1,2-Tetrachloroethane	< 0.69	0.69	2.2	ug/L	7/9/99	SW846 8260B
1,1,1,2-Tetrachloroethane	< 0.70	0.70	2.2	ug/L	7/9/99	SW846 8260B
Tetrachloroethene	< 0.43	0.43	1.4	ug/L	7/9/99	SW846 8260B
Toluene	< 0.27	0.27	0.86	ug/L	7/9/99	SW846 8260B
1,2,3-Trichlorobenzene	< 0.47	0.47	1.5	ug/L	7/9/99	SW846 8260B
1,2,4-Trichlorobenzene	< 0.27	0.27	0.86	ug/L	7/9/99	SW846 8260B
1,1,1-Trichloroethane	< 0.30	0.30	0.96	ug/L	7/9/99	SW846 8260B
1,1,2-Trichloroethane	< 0.61	0.61	1.9	ug/L	7/9/99	SW846 8260B
1,2,4-Trimethylbenzene	< 0.22	0.22	0.70	ug/L	7/9/99	SW846 8260B
Trichloroethene	< 0.37	0.37	1.2	ug/L	7/9/99	SW846 8260B
1,2,3-Trichloropropane	< 0.75	0.75	2.4	ug/L	7/9/99	SW846 8260B
1,3,5-Trimethylbenzene	< 0.27	0.27	0.86	ug/L	7/9/99	SW846 8260B
Vinyl chloride	0.52	0.20	0.64	ug/L	Q 7/9/99	SW846 8260B
Xylenes, -m, -p	< 0.43	0.43	1.4	ug/L	7/9/99	SW846 8260B
Xylene, -o	< 0.24	0.24	0.76	ug/L	7/9/99	SW846 8260B
4-Bromofluorobenzene	87			%Recov	7/9/99	SW846 8260B
Dibromofluoromethane	88			%Recov	7/9/99	SW846 8260B
Toluene-d8	94			%Recov	7/9/99	SW846 8260B



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## - Analytical Report -

Project Name : TECUMSEH  
Project Number : #1177  
Field ID : MW-21 BR-1  
Lab Sample Number : 893767-011  
WI DNR LAB ID : 405132750

Client : MORAIN ENVIRONMENTAL INC  
Report Date : 7/13/99  
Collection Date : 7/6/99  
Matrix Type : WATER

### Organic Results

#### EPA 8260 VOLATILE LIST- WATER

Prep Method: SW846 5030B Prep Date: 7/12/99 Analyst: HW

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.27	0.27	0.86		ug/L		7/12/99	SW846 8260B
Bromobenzene	< 0.83	0.83	2.6		ug/L		7/12/99	SW846 8260B
Bromochloromethane	< 0.42	0.42	1.3		ug/L		7/12/99	SW846 8260B
Bromodichloromethane	< 0.30	0.30	0.96		ug/L		7/12/99	SW846 8260B
Bromoform	< 0.44	0.44	1.4		ug/L		7/12/99	SW846 8260B
Bromomethane	< 0.70	0.70	2.2		ug/L		7/12/99	SW846 8260B
s-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/12/99	SW846 8260B
t-Butylbenzene	< 0.32	0.32	1.0		ug/L		7/12/99	SW846 8260B
n-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/12/99	SW846 8260B
Carbon tetrachloride	< 0.34	0.34	1.1		ug/L		7/12/99	SW846 8260B
Chloroform	< 0.35	0.35	1.1		ug/L		7/12/99	SW846 8260B
Chlorobenzene	< 0.23	0.23	0.73		ug/L		7/12/99	SW846 8260B
Chlorodibromomethane	< 0.42	0.42	1.3		ug/L		7/12/99	SW846 8260B
Chloroethane	< 0.54	0.54	1.7		ug/L		7/12/99	SW846 8260B
Chloromethane	< 0.61	0.61	1.9		ug/L		7/12/99	SW846 8260B
2-Chlorotoluene	< 0.31	0.31	0.99		ug/L		7/12/99	SW846 8260B
4-Chlorotoluene	< 0.32	0.32	1.0		ug/L		7/12/99	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.41	0.41	1.3		ug/L		7/12/99	SW846 8260B
1,2-Dibromoethane	< 0.39	0.39	1.2		ug/L		7/12/99	SW846 8260B
Dibromomethane	< 0.53	0.53	1.7		ug/L		7/12/99	SW846 8260B
1,3-Dichlorobenzene	< 0.34	0.34	1.1		ug/L		7/12/99	SW846 8260B
1,4-Dichlorobenzene	< 0.30	0.30	0.96		ug/L		7/12/99	SW846 8260B
1,2-Dichloroethane	< 0.37	0.37	1.2		ug/L		7/12/99	SW846 8260B
1,2-Dichlorobenzene	< 0.25	0.25	0.80		ug/L		7/12/99	SW846 8260B
1,1-Dichloroethene	< 0.43	0.43	1.4		ug/L		7/12/99	SW846 8260B
cis-1,2-Dichloroethene	< 0.28	0.28	0.89		ug/L		7/12/99	SW846 8260B
Dichlorodifluoromethane	< 0.47	0.47	1.5		ug/L		7/12/99	SW846 8260B
trans-1,2-Dichloroethene	< 0.79	0.79	2.5		ug/L		7/12/99	SW846 8260B
1,2-Dichloropropane	< 0.35	0.35	1.1		ug/L		7/12/99	SW846 8260B
1,1-Dichloroethane	< 0.35	0.35	1.1		ug/L		7/12/99	SW846 8260B



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## - Analytical Report -

**Project Name :** TECUMSEH

**Project Number :** #1177

**Field ID :** MW-21 BR-1

**Lab Sample Number :** 893767-011

**WI DNR LAB ID :** 405132750

**Client :** MORaine ENVIRONMENTAL INC

**Report Date :** 7/13/99

**Collection Date :** 7/6/99

**Matrix Type :** WATER

1,3-Dichloropropane	< 0.42	0.42	1.3	ug/L	7/12/99	SW846 8260B
2,2-Dichloropropane	< 0.36	0.36	1.1	ug/L	7/12/99	SW846 8260B
1,1-Dichloropropene	< 0.81	0.81	2.6	ug/L	7/12/99	SW846 8260B
cis-1,3-Dichloropropene	< 0.32	0.32	1.0	ug/L	7/12/99	SW846 8260B
trans-1,3-Dichloropropene	< 0.43	0.43	1.4	ug/L	7/12/99	SW846 8260B
Diisopropyl ether	< 0.55	0.55	1.8	ug/L	7/12/99	SW846 8260B
Ethylbenzene	< 0.32	0.32	1.0	ug/L	7/12/99	SW846 8260B
Fluorotrichloromethane	< 0.28	0.28	0.89	ug/L	7/12/99	SW846 8260B
Hexachlorobutadiene	< 0.62	0.62	2.0	ug/L	7/12/99	SW846 8260B
Isopropylbenzene	< 0.26	0.26	0.83	ug/L	7/12/99	SW846 8260B
p-Isopropyltoluene	< 0.24	0.24	0.76	ug/L	7/12/99	SW846 8260B
Methylene chloride	< 0.36	0.36	1.1	ug/L	7/12/99	SW846 8260B
Methyl-tert-butyl-ether	< 0.32	0.32	1.0	ug/L	7/12/99	SW846 8260B
Naphthalene	< 0.35	0.35	1.1	ug/L	7/12/99	SW846 8260B
n-Propylbenzene	< 0.76	0.76	2.4	ug/L	7/12/99	SW846 8260B
Styrene	< 0.17	0.17	0.54	ug/L	7/12/99	SW846 8260B
1,1,2,2-Tetrachloroethane	< 0.69	0.69	2.2	ug/L	7/12/99	SW846 8260B
1,1,1,2-Tetrachloroethane	< 0.70	0.70	2.2	ug/L	7/12/99	SW846 8260B
Tetrachloroethene	< 0.43	0.43	1.4	ug/L	7/12/99	SW846 8260B
Toluene	< 0.27	0.27	0.86	ug/L	7/12/99	SW846 8260B
1,2,3-Trichlorobenzene	< 0.47	0.47	1.5	ug/L	7/12/99	SW846 8260B
1,2,4-Trichlorobenzene	< 0.27	0.27	0.86	ug/L	7/12/99	SW846 8260B
1,1,1-Trichloroethane	< 0.30	0.30	0.96	ug/L	7/12/99	SW846 8260B
1,1,2-Trichloroethane	< 0.61	0.61	1.9	ug/L	7/12/99	SW846 8260B
1,2,4-Trimethylbenzene	< 0.22	0.22	0.70	ug/L	7/12/99	SW846 8260B
Trichloroethene	< 0.37	0.37	1.2	ug/L	7/12/99	SW846 8260B
1,2,3-Trichloropropane	< 0.75	0.75	2.4	ug/L	7/12/99	SW846 8260B
1,3,5-Trimethylbenzene	< 0.27	0.27	0.86	ug/L	7/12/99	SW846 8260B
Vinyl chloride	< 0.20	0.20	0.64	ug/L	7/12/99	SW846 8260B
Xylenes, -m, -p	< 0.43	0.43	1.4	ug/L	7/12/99	SW846 8260B
Xylene, -o	< 0.24	0.24	0.76	ug/L	7/12/99	SW846 8260B
4-Bromofluorobenzene	84			%Recov	7/12/99	SW846 8260B
Dibromofluoromethane	86			%Recov	7/12/99	SW846 8260B
Toluene-d8	89			%Recov	7/12/99	SW846 8260B



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## - Analytical Report -

Project Name : TECUMSEH  
Project Number : #1177  
Field ID : MW-21 BR-2  
Lab Sample Number : 893767-012  
WI DNR LAB ID : 405132750

Client : MORaine ENVIRONMENTAL INC  
Report Date : 7/9/99  
Collection Date : 7/6/99  
Matrix Type : WATER

### Organic Results

#### EPA 8260 VOLATILE LIST- WATER

Prep Method: SW846 5030B Prep Date: 7/8/99 Analyst: JJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.27	0.27	0.86		ug/L		7/8/99	SW846 8260B
Bromobenzene	< 0.83	0.83	2.6		ug/L		7/8/99	SW846 8260B
Bromochloromethane	< 0.42	0.42	1.3		ug/L		7/8/99	SW846 8260B
Bromodichloromethane	< 0.30	0.30	0.96		ug/L		7/8/99	SW846 8260B
Bromoform	< 0.44	0.44	1.4		ug/L		7/8/99	SW846 8260B
Bromomethane	< 0.70	0.70	2.2		ug/L		7/8/99	SW846 8260B
s-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/8/99	SW846 8260B
t-Butylbenzene	< 0.32	0.32	1.0		ug/L		7/8/99	SW846 8260B
n-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/8/99	SW846 8260B
Carbon tetrachloride	< 0.34	0.34	1.1		ug/L		7/8/99	SW846 8260B
Chloroform	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B
Chlorobenzene	< 0.23	0.23	0.73		ug/L		7/8/99	SW846 8260B
Chlorodibromomethane	< 0.42	0.42	1.3		ug/L		7/8/99	SW846 8260B
Chloroethane	< 0.54	0.54	1.7		ug/L		7/8/99	SW846 8260B
Chloromethane	< 0.61	0.61	1.9		ug/L		7/8/99	SW846 8260B
2-Chlorotoluene	< 0.31	0.31	0.99		ug/L		7/8/99	SW846 8260B
4-Chlorotoluene	< 0.32	0.32	1.0		ug/L		7/8/99	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.41	0.41	1.3		ug/L		7/8/99	SW846 8260B
1,2-Dibromoethane	< 0.39	0.39	1.2		ug/L		7/8/99	SW846 8260B
Dibromomethane	< 0.53	0.53	1.7		ug/L		7/8/99	SW846 8260B
1,3-Dichlorobenzene	< 0.34	0.34	1.1		ug/L		7/8/99	SW846 8260B
1,4-Dichlorobenzene	< 0.30	0.30	0.96		ug/L		7/8/99	SW846 8260B
1,2-Dichloroethane	< 0.37	0.37	1.2		ug/L		7/8/99	SW846 8260B
1,2-Dichlorobenzene	< 0.25	0.25	0.80		ug/L		7/8/99	SW846 8260B
1,1-Dichloroethene	< 0.43	0.43	1.4		ug/L		7/8/99	SW846 8260B
cis-1,2-Dichloroethene	< 0.28	0.28	0.89		ug/L		7/8/99	SW846 8260B
Dichlorodifluoromethane	< 0.47	0.47	1.5		ug/L		7/8/99	SW846 8260B
trans-1,2-Dichloroethene	< 0.79	0.79	2.5		ug/L		7/8/99	SW846 8260B
1,2-Dichloropropane	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B
1,1-Dichloroethane	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B



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**- Analytical Report -**

**Project Name : TECUMSEH**

**Project Number : #1177**

**Field ID : MW-21 BR-2**

**Lab Sample Number : 893767-012**

**WI DNR LAB ID : 405132750**

**Client : MORaine ENVIRONMENTAL INC**

**Report Date : 7/9/99**

**Collection Date : 7/6/99**

**Matrix Type : WATER**

1,3-Dichloropropane	< 0.42	0.42	1.3	ug/L	7/8/99	SW846 8260B
2,2-Dichloropropane	< 0.36	0.36	1.1	ug/L	7/8/99	SW846 8260B
1,1-Dichloropropene	< 0.81	0.81	2.6	ug/L	7/8/99	SW846 8260B
cis-1,3-Dichloropropene	< 0.32	0.32	1.0	ug/L	7/8/99	SW846 8260B
trans-1,3-Dichloropropene	< 0.43	0.43	1.4	ug/L	7/8/99	SW846 8260B
Diisopropyl ether	< 0.55	0.55	1.8	ug/L	7/8/99	SW846 8260B
Ethylbenzene	< 0.32	0.32	1.0	ug/L	7/8/99	SW846 8260B
Fluorotrichloromethane	< 0.28	0.28	0.89	ug/L	7/8/99	SW846 8260B
Hexachlorobutadiene	< 0.62	0.62	2.0	ug/L	7/8/99	SW846 8260B
Isopropylbenzene	< 0.26	0.26	0.83	ug/L	7/8/99	SW846 8260B
p-Isopropyltoluene	< 0.24	0.24	0.76	ug/L	7/8/99	SW846 8260B
Methylene chloride	< 0.36	0.36	1.1	ug/L	7/8/99	SW846 8260B
Methyl-tert-butyl-ether	< 0.32	0.32	1.0	ug/L	7/8/99	SW846 8260B
Naphthalene	< 0.35	0.35	1.1	ug/L	7/8/99	SW846 8260B
n-Propylbenzene	< 0.76	0.76	2.4	ug/L	7/8/99	SW846 8260B
Styrene	< 0.17	0.17	0.54	ug/L	7/8/99	SW846 8260B
1,1,2,2-Tetrachloroethane	< 0.69	0.69	2.2	ug/L	7/8/99	SW846 8260B
1,1,1,2-Tetrachloroethane	< 0.70	0.70	2.2	ug/L	7/8/99	SW846 8260B
Tetrachloroethene	< 0.43	0.43	1.4	ug/L	7/8/99	SW846 8260B
Toluene	< 0.27	0.27	0.86	ug/L	7/8/99	SW846 8260B
1,2,3-Trichlorobenzene	< 0.47	0.47	1.5	ug/L	7/8/99	SW846 8260B
1,2,4-Trichlorobenzene	< 0.27	0.27	0.86	ug/L	7/8/99	SW846 8260B
1,1,1-Trichloroethane	< 0.30	0.30	0.96	ug/L	7/8/99	SW846 8260B
1,1,2-Trichloroethane	< 0.61	0.61	1.9	ug/L	7/8/99	SW846 8260B
1,2,4-Trimethylbenzene	< 0.22	0.22	0.70	ug/L	7/8/99	SW846 8260B
Trichloroethene	< 0.37	0.37	1.2	ug/L	7/8/99	SW846 8260B
1,2,3-Trichloropropane	< 0.75	0.75	2.4	ug/L	7/8/99	SW846 8260B
1,3,5-Trimethylbenzene	< 0.27	0.27	0.86	ug/L	7/8/99	SW846 8260B
Vinyl chloride	0.25	0.20	0.64	ug/L	Q 7/8/99	SW846 8260B
Xylenes, -m, -p	< 0.43	0.43	1.4	ug/L	7/8/99	SW846 8260B
Xylene, -o	< 0.24	0.24	0.76	ug/L	7/8/99	SW846 8260B
4-Bromofluorobenzene	109			%Recov	7/8/99	SW846 8260B
Dibromofluoromethane	89			%Recov	7/8/99	SW846 8260B
Toluene-d8	97			%Recov	7/8/99	SW846 8260B



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## - Analytical Report -

Project Name : TECUMSEH

Project Number : #1177

Field ID : MW-22 BR

Lab Sample Number : 893767-013

WI DNR LAB ID : 405132750

Client : MORaine ENVIRONMENTAL INC

Report Date : 7/9/99

Collection Date : 7/6/99

Matrix Type : WATER

### Organic Results

EPA 8260 VOLATILE LIST- WATER

Prep Method: SW846 5030B

Prep Date: 7/8/99

Analyst: JJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.27	0.27	0.86		ug/L		7/8/99	SW846 8260B
Bromobenzene	< 0.83	0.83	2.6		ug/L		7/8/99	SW846 8260B
Bromochloromethane	< 0.42	0.42	1.3		ug/L		7/8/99	SW846 8260B
Bromodichloromethane	< 0.30	0.30	0.96		ug/L		7/8/99	SW846 8260B
Bromoform	< 0.44	0.44	1.4		ug/L		7/8/99	SW846 8260B
Bromomethane	< 0.70	0.70	2.2		ug/L		7/8/99	SW846 8260B
s-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/8/99	SW846 8260B
t-Butylbenzene	< 0.32	0.32	1.0		ug/L		7/8/99	SW846 8260B
n-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/8/99	SW846 8260B
Carbon tetrachloride	< 0.34	0.34	1.1		ug/L		7/8/99	SW846 8260B
Chloroform	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B
Chlorobenzene	< 0.23	0.23	0.73		ug/L		7/8/99	SW846 8260B
Chlorodibromomethane	< 0.42	0.42	1.3		ug/L		7/8/99	SW846 8260B
Chloroethane	< 0.54	0.54	1.7		ug/L		7/8/99	SW846 8260B
Chloromethane	< 0.61	0.61	1.9		ug/L		7/8/99	SW846 8260B
2-Chlorotoluene	< 0.31	0.31	0.99		ug/L		7/8/99	SW846 8260B
4-Chlorotoluene	< 0.32	0.32	1.0		ug/L		7/8/99	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.41	0.41	1.3		ug/L		7/8/99	SW846 8260B
1,2-Dibromoethane	< 0.39	0.39	1.2		ug/L		7/8/99	SW846 8260B
Dibromomethane	< 0.53	0.53	1.7		ug/L		7/8/99	SW846 8260B
1,3-Dichlorobenzene	< 0.34	0.34	1.1		ug/L		7/8/99	SW846 8260B
1,4-Dichlorobenzene	< 0.30	0.30	0.96		ug/L		7/8/99	SW846 8260B
1,2-Dichloroethane	< 0.37	0.37	1.2		ug/L		7/8/99	SW846 8260B
1,2-Dichlorobenzene	< 0.25	0.25	0.80		ug/L		7/8/99	SW846 8260B
1,1-Dichloroethene	< 0.43	0.43	1.4		ug/L		7/8/99	SW846 8260B
cis-1,2-Dichloroethene	2.3	0.28	0.89		ug/L		7/8/99	SW846 8260B
Dichlorodifluoromethane	< 0.47	0.47	1.5		ug/L		7/8/99	SW846 8260B
trans-1,2-Dichloroethene	< 0.79	0.79	2.5		ug/L		7/8/99	SW846 8260B
1,2-Dichloropropane	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B
1,1-Dichloroethane	0.74	0.35	1.1		ug/L	Q	7/8/99	SW846 8260B



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**- Analytical Report -**

**Project Name : TECUMSEH**

**Project Number : #1177**

**Field ID : MW-22 BR**

**Lab Sample Number : 893767-013**

**WI DNR LAB ID : 405132750**

**Client : MORaine ENVIRONMENTAL INC**

**Report Date : 7/9/99**

**Collection Date : 7/6/99**

**Matrix Type : WATER**

1,3-Dichloropropane	< 0.42	0.42	1.3	ug/L	7/8/99	SW846 8260B
2,2-Dichloropropane	< 0.36	0.36	1.1	ug/L	7/8/99	SW846 8260B
1,1-Dichloropropene	< 0.81	0.81	2.6	ug/L	7/8/99	SW846 8260B
cis-1,3-Dichloropropene	< 0.32	0.32	1.0	ug/L	7/8/99	SW846 8260B
trans-1,3-Dichloropropene	< 0.43	0.43	1.4	ug/L	7/8/99	SW846 8260B
Diisopropyl ether	< 0.55	0.55	1.8	ug/L	7/8/99	SW846 8260B
Ethylbenzene	< 0.32	0.32	1.0	ug/L	7/8/99	SW846 8260B
Fluorotrichloromethane	< 0.28	0.28	0.89	ug/L	7/8/99	SW846 8260B
Hexachlorobutadiene	< 0.62	0.62	2.0	ug/L	7/8/99	SW846 8260B
Isopropylbenzene	< 0.26	0.26	0.83	ug/L	7/8/99	SW846 8260B
p-Isopropyltoluene	< 0.24	0.24	0.76	ug/L	7/8/99	SW846 8260B
Methylene chloride	< 0.36	0.36	1.1	ug/L	7/8/99	SW846 8260B
Methyl-tert-butyl-ether	< 0.32	0.32	1.0	ug/L	7/8/99	SW846 8260B
Naphthalene	< 0.35	0.35	1.1	ug/L	7/8/99	SW846 8260B
n-Propylbenzene	< 0.76	0.76	2.4	ug/L	7/8/99	SW846 8260B
Styrene	< 0.17	0.17	0.54	ug/L	7/8/99	SW846 8260B
1,1,2,2-Tetrachloroethane	< 0.69	0.69	2.2	ug/L	7/8/99	SW846 8260B
1,1,1,2-Tetrachloroethane	< 0.70	0.70	2.2	ug/L	7/8/99	SW846 8260B
Tetrachloroethene	< 0.43	0.43	1.4	ug/L	7/8/99	SW846 8260B
Toluene	< 0.27	0.27	0.86	ug/L	7/8/99	SW846 8260B
1,2,3-Trichlorobenzene	< 0.47	0.47	1.5	ug/L	7/8/99	SW846 8260B
1,2,4-Trichlorobenzene	< 0.27	0.27	0.86	ug/L	7/8/99	SW846 8260B
1,1,1-Trichloroethane	< 0.30	0.30	0.96	ug/L	7/8/99	SW846 8260B
1,1,2-Trichloroethane	< 0.61	0.61	1.9	ug/L	7/8/99	SW846 8260B
1,2,4-Trimethylbenzene	< 0.22	0.22	0.70	ug/L	7/8/99	SW846 8260B
Trichloroethene	13	0.37	1.2	ug/L	7/8/99	SW846 8260B
1,2,3-Trichloropropane	< 0.75	0.75	2.4	ug/L	7/8/99	SW846 8260B
1,3,5-Trimethylbenzene	< 0.27	0.27	0.86	ug/L	7/8/99	SW846 8260B
Vinyl chloride	< 0.20	0.20	0.64	ug/L	7/8/99	SW846 8260B
Xylenes, -m, -p	< 0.43	0.43	1.4	ug/L	7/8/99	SW846 8260B
Xylene, -o	< 0.24	0.24	0.76	ug/L	7/8/99	SW846 8260B
4-Bromofluorobenzene	109			%Recov	7/8/99	SW846 8260B
Dibromofluoromethane	90			%Recov	7/8/99	SW846 8260B
Toluene-d8	96			%Recov	7/8/99	SW846 8260B



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## - Analytical Report -

Project Name : TECUMSEH  
Project Number : #1177  
Field ID : PW-5  
Lab Sample Number : 893767-014  
WI DNR LAB ID : 405132750

Client : MORAIN ENVIRONMENTAL INC  
Report Date : 7/12/99  
Collection Date : 7/6/99  
Matrix Type : WATER

### Organic Results

#### EPA 8260 VOLATILE LIST- WATER

Prep Method: SW846 5030B Prep Date: 7/9/99 Analyst: HW

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.27	0.27	0.86		ug/L		7/9/99	SW846 8260B
Bromobenzene	< 0.83	0.83	2.6		ug/L		7/9/99	SW846 8260B
Bromochloromethane	< 0.42	0.42	1.3		ug/L		7/9/99	SW846 8260B
Bromodichloromethane	< 0.30	0.30	0.96		ug/L		7/9/99	SW846 8260B
Bromoform	< 0.44	0.44	1.4		ug/L		7/9/99	SW846 8260B
Bromomethane	< 0.70	0.70	2.2		ug/L		7/9/99	SW846 8260B
s-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/9/99	SW846 8260B
t-Butylbenzene	< 0.32	0.32	1.0		ug/L		7/9/99	SW846 8260B
n-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/9/99	SW846 8260B
Carbon tetrachloride	< 0.34	0.34	1.1		ug/L		7/9/99	SW846 8260B
Chloroform	< 0.35	0.35	1.1		ug/L		7/9/99	SW846 8260B
Chlorobenzene	< 0.23	0.23	0.73		ug/L		7/9/99	SW846 8260B
Chlorodibromomethane	< 0.42	0.42	1.3		ug/L		7/9/99	SW846 8260B
Chloroethane	< 0.54	0.54	1.7		ug/L		7/9/99	SW846 8260B
Chloromethane	< 0.61	0.61	1.9		ug/L		7/9/99	SW846 8260B
2-Chlorotoluene	< 0.31	0.31	0.99		ug/L		7/9/99	SW846 8260B
4-Chlorotoluene	< 0.32	0.32	1.0		ug/L		7/9/99	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.41	0.41	1.3		ug/L		7/9/99	SW846 8260B
1,2-Dibromoethane	< 0.39	0.39	1.2		ug/L		7/9/99	SW846 8260B
Dibromomethane	< 0.53	0.53	1.7		ug/L		7/9/99	SW846 8260B
1,3-Dichlorobenzene	< 0.34	0.34	1.1		ug/L		7/9/99	SW846 8260B
1,4-Dichlorobenzene	< 0.30	0.30	0.96		ug/L		7/9/99	SW846 8260B
1,2-Dichloroethane	< 0.37	0.37	1.2		ug/L		7/9/99	SW846 8260B
1,2-Dichlorobenzene	< 0.25	0.25	0.80		ug/L		7/9/99	SW846 8260B
1,1-Dichloroethene	< 0.43	0.43	1.4		ug/L		7/9/99	SW846 8260B
cis-1,2-Dichloroethene	< 0.28	0.28	0.89		ug/L		7/9/99	SW846 8260B
Dichlorodifluoromethane	< 0.47	0.47	1.5		ug/L		7/9/99	SW846 8260B
trans-1,2-Dichloroethene	< 0.79	0.79	2.5		ug/L		7/9/99	SW846 8260B
1,2-Dichloropropane	< 0.35	0.35	1.1		ug/L		7/9/99	SW846 8260B
1,1-Dichloroethane	< 0.35	0.35	1.1		ug/L		7/9/99	SW846 8260B





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## - Analytical Report -

Project Name : TECUMSEH

Project Number : #1177

Field ID : PW-5

Lab Sample Number : 893767-014

WI DNR LAB ID : 405132750

Client : MORaine ENVIRONMENTAL INC

Report Date : 7/12/99

Collection Date : 7/6/99

Matrix Type : WATER

1,3-Dichloropropane	< 0.42	0.42	1.3	ug/L	7/9/99	SW846 8260B
2,2-Dichloropropane	< 0.36	0.36	1.1	ug/L	7/9/99	SW846 8260B
1,1-Dichloropropene	< 0.81	0.81	2.6	ug/L	7/9/99	SW846 8260B
cis-1,3-Dichloropropene	< 0.32	0.32	1.0	ug/L	7/9/99	SW846 8260B
trans-1,3-Dichloropropene	< 0.43	0.43	1.4	ug/L	7/9/99	SW846 8260B
Diisopropyl ether	< 0.55	0.55	1.8	ug/L	7/9/99	SW846 8260B
Ethylbenzene	< 0.32	0.32	1.0	ug/L	7/9/99	SW846 8260B
Fluorotrichloromethane	< 0.28	0.28	0.89	ug/L	7/9/99	SW846 8260B
Hexachlorobutadiene	< 0.62	0.62	2.0	ug/L	7/9/99	SW846 8260B
Isopropylbenzene	< 0.26	0.26	0.83	ug/L	7/9/99	SW846 8260B
p-Isopropyltoluene	< 0.24	0.24	0.76	ug/L	7/9/99	SW846 8260B
Methylene chloride	< 0.36	0.36	1.1	ug/L	7/9/99	SW846 8260B
Methyl-tert-butyl-ether	< 0.32	0.32	1.0	ug/L	7/9/99	SW846 8260B
Naphthalene	< 0.35	0.35	1.1	ug/L	7/9/99	SW846 8260B
n-Propylbenzene	< 0.76	0.76	2.4	ug/L	7/9/99	SW846 8260B
Styrene	< 0.17	0.17	0.54	ug/L	7/9/99	SW846 8260B
1,1,2,2-Tetrachloroethane	< 0.69	0.69	2.2	ug/L	7/9/99	SW846 8260B
1,1,1,2-Tetrachloroethane	< 0.70	0.70	2.2	ug/L	7/9/99	SW846 8260B
Tetrachloroethene	< 0.43	0.43	1.4	ug/L	7/9/99	SW846 8260B
Toluene	< 0.27	0.27	0.86	ug/L	7/9/99	SW846 8260B
1,2,3-Trichlorobenzene	< 0.47	0.47	1.5	ug/L	7/9/99	SW846 8260B
1,2,4-Trichlorobenzene	< 0.27	0.27	0.86	ug/L	7/9/99	SW846 8260B
1,1,1-Trichloroethane	< 0.30	0.30	0.96	ug/L	7/9/99	SW846 8260B
1,1,2-Trichloroethane	< 0.61	0.61	1.9	ug/L	7/9/99	SW846 8260B
1,2,4-Trimethylbenzene	< 0.22	0.22	0.70	ug/L	7/9/99	SW846 8260B
Trichloroethene	< 0.37	0.37	1.2	ug/L	7/9/99	SW846 8260B
1,2,3-Trichloropropane	< 0.75	0.75	2.4	ug/L	7/9/99	SW846 8260B
1,3,5-Trimethylbenzene	< 0.27	0.27	0.86	ug/L	7/9/99	SW846 8260B
Vinyl chloride	< 0.20	0.20	0.64	ug/L	7/9/99	SW846 8260B
Xylenes, -m, -p	< 0.43	0.43	1.4	ug/L	7/9/99	SW846 8260B
Xylene, -o	< 0.24	0.24	0.76	ug/L	7/9/99	SW846 8260B
4-Bromofluorobenzene	80			%Recov	7/9/99	SW846 8260B
Dibromofluoromethane	86			%Recov	7/9/99	SW846 8260B
Toluene-d8	90			%Recov	7/9/99	SW846 8260B



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## - Analytical Report -

Project Name : TECUMSEH

Project Number : #1177

Field ID : PW-38

Lab Sample Number : 893767-015

WI DNR LAB ID : 405132750

Client : MORaine ENVIRONMENTAL INC

Report Date : 7/14/99

Collection Date : 7/6/99

Matrix Type : WATER

### Organic Results

EPA 8260 VOLATILE LIST- WATER

Prep Method: SW846 5030B

Prep Date: 7/8/99

Analyst: JJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.27	0.27	0.86		ug/L		7/8/99	SW846 8260B
Bromobenzene	< 0.83	0.83	2.6		ug/L		7/8/99	SW846 8260B
Bromochloromethane	< 0.42	0.42	1.3		ug/L		7/8/99	SW846 8260B
Bromodichloromethane	< 0.30	0.30	0.96		ug/L		7/8/99	SW846 8260B
Bromoform	< 0.44	0.44	1.4		ug/L		7/8/99	SW846 8260B
Bromomethane	< 0.70	0.70	2.2		ug/L		7/8/99	SW846 8260B
s-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/8/99	SW846 8260B
t-Butylbenzene	< 0.32	0.32	1.0		ug/L		7/8/99	SW846 8260B
n-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/8/99	SW846 8260B
Carbon tetrachloride	< 0.34	0.34	1.1		ug/L		7/8/99	SW846 8260B
Chloroform	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B
Chlorobenzene	< 0.23	0.23	0.73		ug/L		7/8/99	SW846 8260B
Chlorodibromomethane	< 0.42	0.42	1.3		ug/L		7/8/99	SW846 8260B
Chloroethane	< 0.54	0.54	1.7		ug/L		7/8/99	SW846 8260B
Chloromethane	< 0.61	0.61	1.9		ug/L		7/8/99	SW846 8260B
2-Chlorotoluene	< 0.31	0.31	0.99		ug/L		7/8/99	SW846 8260B
4-Chlorotoluene	< 0.32	0.32	1.0		ug/L		7/8/99	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.41	0.41	1.3		ug/L		7/8/99	SW846 8260B
1,2-Dibromoethane	< 0.39	0.39	1.2		ug/L		7/8/99	SW846 8260B
Dibromomethane	< 0.53	0.53	1.7		ug/L		7/8/99	SW846 8260B
1,3-Dichlorobenzene	< 0.34	0.34	1.1		ug/L		7/8/99	SW846 8260B
1,4-Dichlorobenzene	< 0.30	0.30	0.96		ug/L		7/8/99	SW846 8260B
1,2-Dichloroethane	< 0.37	0.37	1.2		ug/L		7/8/99	SW846 8260B
1,2-Dichlorobenzene	< 0.25	0.25	0.80		ug/L		7/8/99	SW846 8260B
1,1-Dichloroethene	< 0.43	0.43	1.4		ug/L		7/8/99	SW846 8260B
cis-1,2-Dichloroethene	< 0.28	0.28	0.89		ug/L		7/8/99	SW846 8260B
Dichlorodifluoromethane	< 0.47	0.47	1.5		ug/L		7/8/99	SW846 8260B
trans-1,2-Dichloroethene	< 0.79	0.79	2.5		ug/L		7/8/99	SW846 8260B
1,2-Dichloropropane	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B
1,1-Dichloroethane	2.0	0.35	1.1		ug/L		7/8/99	SW846 8260B



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**- Analytical Report -**

**Project Name : TECUMSEH**

**Project Number : #1177**

**Field ID : PW-38**

**Lab Sample Number : 893767-015**

**WI DNR LAB ID : 405132750**

**Client : MORaine ENVIRONMENTAL INC**

**Report Date : 7/14/99**

**Collection Date : 7/6/99**

**Matrix Type : WATER**

1,3-Dichloropropane	< 0.42	0.42	1.3	ug/L	7/8/99	SW846 8260B
2,2-Dichloropropane	< 0.36	0.36	1.1	ug/L	7/8/99	SW846 8260B
1,1-Dichloropropene	< 0.81	0.81	2.6	ug/L	7/8/99	SW846 8260B
cis-1,3-Dichloropropene	< 0.32	0.32	1.0	ug/L	7/8/99	SW846 8260B
trans-1,3-Dichloropropene	< 0.43	0.43	1.4	ug/L	7/8/99	SW846 8260B
Diisopropyl ether	< 0.55	0.55	1.8	ug/L	7/8/99	SW846 8260B
Ethylbenzene	< 0.32	0.32	1.0	ug/L	7/8/99	SW846 8260B
Fluorotrichloromethane	< 0.28	0.28	0.89	ug/L	7/8/99	SW846 8260B
Hexachlorobutadiene	< 0.62	0.62	2.0	ug/L	7/8/99	SW846 8260B
Isopropylbenzene	< 0.26	0.26	0.83	ug/L	7/8/99	SW846 8260B
p-Isopropyltoluene	< 0.24	0.24	0.76	ug/L	7/8/99	SW846 8260B
Methylene chloride	< 0.36	0.36	1.1	ug/L	7/8/99	SW846 8260B
Methyl-tert-butyl-ether	< 0.32	0.32	1.0	ug/L	7/8/99	SW846 8260B
Naphthalene	< 0.35	0.35	1.1	ug/L	7/8/99	SW846 8260B
n-Propylbenzene	< 0.76	0.76	2.4	ug/L	7/8/99	SW846 8260B
Styrene	< 0.17	0.17	0.54	ug/L	7/8/99	SW846 8260B
1,1,2,2-Tetrachloroethane	< 0.69	0.69	2.2	ug/L	7/8/99	SW846 8260B
1,1,1,2-Tetrachloroethane	< 0.70	0.70	2.2	ug/L	7/8/99	SW846 8260B
Tetrachloroethene	< 0.43	0.43	1.4	ug/L	7/8/99	SW846 8260B
Toluene	< 0.27	0.27	0.86	ug/L	7/8/99	SW846 8260B
1,2,3-Trichlorobenzene	< 0.47	0.47	1.5	ug/L	7/8/99	SW846 8260B
1,2,4-Trichlorobenzene	< 0.27	0.27	0.86	ug/L	7/8/99	SW846 8260B
1,1,1-Trichloroethane	1.5	0.30	0.96	ug/L	7/8/99	SW846 8260B
1,1,2-Trichloroethane	< 0.61	0.61	1.9	ug/L	7/8/99	SW846 8260B
1,2,4-Trimethylbenzene	< 0.22	0.22	0.70	ug/L	7/8/99	SW846 8260B
Trichloroethene	1.6	0.37	1.2	ug/L	7/8/99	SW846 8260B
1,2,3-Trichloropropane	< 0.75	0.75	2.4	ug/L	7/8/99	SW846 8260B
1,3,5-Trimethylbenzene	< 0.27	0.27	0.86	ug/L	7/8/99	SW846 8260B
Vinyl chloride	< 0.20	0.20	0.64	ug/L	7/8/99	SW846 8260B
Xylenes, -m, -p	< 0.43	0.43	1.4	ug/L	7/8/99	SW846 8260B
Xylene, -o	< 0.24	0.24	0.76	ug/L	7/8/99	SW846 8260B
4-Bromofluorobenzene	86			%Recov	7/8/99	SW846 8260B
Dibromofluoromethane	89			%Recov	7/8/99	SW846 8260B
Toluene-d8	94			%Recov	7/8/99	SW846 8260B



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## - Analytical Report -

Project Name : TECUMSEH

Project Number : #1177

Field ID : PW-30

Lab Sample Number : 893767-016

WI DNR LAB ID : 405132750

Client : MORaine ENVIRONMENTAL INC

Report Date : 7/9/99

Collection Date : 7/6/99

Matrix Type : WATER

### Organic Results

EPA 8260 VOLATILE LIST- WATER

Prep Method: SW846 5030B

Prep Date: 7/8/99

Analyst: JJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.27	0.27	0.86		ug/L		7/8/99	SW846 8260B
Bromobenzene	< 0.83	0.83	2.6		ug/L		7/8/99	SW846 8260B
Bromochloromethane	< 0.42	0.42	1.3		ug/L		7/8/99	SW846 8260B
Bromodichloromethane	< 0.30	0.30	0.96		ug/L		7/8/99	SW846 8260B
Bromoform	< 0.44	0.44	1.4		ug/L		7/8/99	SW846 8260B
Bromomethane	< 0.70	0.70	2.2		ug/L		7/8/99	SW846 8260B
s-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/8/99	SW846 8260B
t-Butylbenzene	< 0.32	0.32	1.0		ug/L		7/8/99	SW846 8260B
n-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/8/99	SW846 8260B
Carbon tetrachloride	< 0.34	0.34	1.1		ug/L		7/8/99	SW846 8260B
Chloroform	1.4	0.35	1.1		ug/L		7/8/99	SW846 8260B
Chlorobenzene	< 0.23	0.23	0.73		ug/L		7/8/99	SW846 8260B
Chlorodibromomethane	< 0.42	0.42	1.3		ug/L		7/8/99	SW846 8260B
Chloroethane	< 0.54	0.54	1.7		ug/L		7/8/99	SW846 8260B
Chloromethane	< 0.61	0.61	1.9		ug/L		7/8/99	SW846 8260B
2-Chlorotoluene	< 0.31	0.31	0.99		ug/L		7/8/99	SW846 8260B
4-Chlorotoluene	< 0.32	0.32	1.0		ug/L		7/8/99	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.41	0.41	1.3		ug/L		7/8/99	SW846 8260B
1,2-Dibromoethane	< 0.39	0.39	1.2		ug/L		7/8/99	SW846 8260B
Dibromomethane	< 0.53	0.53	1.7		ug/L		7/8/99	SW846 8260B
1,3-Dichlorobenzene	< 0.34	0.34	1.1		ug/L		7/8/99	SW846 8260B
1,4-Dichlorobenzene	< 0.30	0.30	0.96		ug/L		7/8/99	SW846 8260B
1,2-Dichloroethane	< 0.37	0.37	1.2		ug/L		7/8/99	SW846 8260B
1,2-Dichlorobenzene	< 0.25	0.25	0.80		ug/L		7/8/99	SW846 8260B
1,1-Dichloroethene	< 0.43	0.43	1.4		ug/L		7/8/99	SW846 8260B
cis-1,2-Dichloroethene	0.99	0.28	0.89		ug/L		7/8/99	SW846 8260B
Dichlorodifluoromethane	< 0.47	0.47	1.5		ug/L		7/8/99	SW846 8260B
trans-1,2-Dichloroethene	< 0.79	0.79	2.5		ug/L		7/8/99	SW846 8260B
1,2-Dichloropropane	< 0.35	0.35	1.1		ug/L		7/8/99	SW846 8260B
1,1-Dichloroethane	1.0	0.35	1.1		ug/L	Q	7/8/99	SW846 8260B



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## - Analytical Report -

Project Name : TECUMSEH

Project Number : #1177

Field ID : PW-30

Lab Sample Number : 893767-016

WI DNR LAB ID : 405132750

Client : MORaine ENVIRONMENTAL INC

Report Date : 7/9/99

Collection Date : 7/6/99

Matrix Type : WATER

1,3-Dichloropropane	< 0.42	0.42	1.3	ug/L	7/8/99	SW846 8260B
2,2-Dichloropropane	< 0.36	0.36	1.1	ug/L	7/8/99	SW846 8260B
1,1-Dichloropropene	< 0.81	0.81	2.6	ug/L	7/8/99	SW846 8260B
cis-1,3-Dichloropropene	< 0.32	0.32	1.0	ug/L	7/8/99	SW846 8260B
trans-1,3-Dichloropropene	< 0.43	0.43	1.4	ug/L	7/8/99	SW846 8260B
Diisopropyl ether	< 0.55	0.55	1.8	ug/L	7/8/99	SW846 8260B
Ethylbenzene	< 0.32	0.32	1.0	ug/L	7/8/99	SW846 8260B
Fluorotrichloromethane	< 0.28	0.28	0.89	ug/L	7/8/99	SW846 8260B
Hexachlorobutadiene	< 0.62	0.62	2.0	ug/L	7/8/99	SW846 8260B
Isopropylbenzene	< 0.26	0.26	0.83	ug/L	7/8/99	SW846 8260B
p-Isopropyltoluene	< 0.24	0.24	0.76	ug/L	7/8/99	SW846 8260B
Methylene chloride	< 0.36	0.36	1.1	ug/L	7/8/99	SW846 8260B
Methyl-tert-butyl-ether	< 0.32	0.32	1.0	ug/L	7/8/99	SW846 8260B
Naphthalene	< 0.35	0.35	1.1	ug/L	7/8/99	SW846 8260B
n-Propylbenzene	< 0.76	0.76	2.4	ug/L	7/8/99	SW846 8260B
Styrene	< 0.17	0.17	0.54	ug/L	7/8/99	SW846 8260B
1,1,2,2-Tetrachloroethane	< 0.69	0.69	2.2	ug/L	7/8/99	SW846 8260B
1,1,1,2-Tetrachloroethane	< 0.70	0.70	2.2	ug/L	7/8/99	SW846 8260B
Tetrachloroethene	< 0.43	0.43	1.4	ug/L	7/8/99	SW846 8260B
Toluene	< 0.27	0.27	0.86	ug/L	7/8/99	SW846 8260B
1,2,3-Trichlorobenzene	< 0.47	0.47	1.5	ug/L	7/8/99	SW846 8260B
1,2,4-Trichlorobenzene	< 0.27	0.27	0.86	ug/L	7/8/99	SW846 8260B
1,1,1-Trichloroethane	0.63	0.30	0.96	ug/L	Q 7/8/99	SW846 8260B
1,1,2-Trichloroethane	< 0.61	0.61	1.9	ug/L	7/8/99	SW846 8260B
1,2,4-Trimethylbenzene	< 0.22	0.22	0.70	ug/L	7/8/99	SW846 8260B
Trichloroethene	1.7	0.37	1.2	ug/L	7/8/99	SW846 8260B
1,2,3-Trichloropropane	< 0.75	0.75	2.4	ug/L	7/8/99	SW846 8260B
1,3,5-Trimethylbenzene	< 0.27	0.27	0.86	ug/L	7/8/99	SW846 8260B
Vinyl chloride	< 0.20	0.20	0.64	ug/L	7/8/99	SW846 8260B
Xylenes, -m, -p	< 0.43	0.43	1.4	ug/L	7/8/99	SW846 8260B
Xylene, -o	< 0.24	0.24	0.76	ug/L	7/8/99	SW846 8260B
4-Bromofluorobenzene	86			%Recov	7/8/99	SW846 8260B
Dibromofluoromethane	89			%Recov	7/8/99	SW846 8260B
Toluene-d8	92			%Recov	7/8/99	SW846 8260B



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## - Analytical Report -

Project Name : TECUMSEH  
Project Number : #1177  
Field ID : MW-12 BR-1  
Lab Sample Number : 893767-017  
WI DNR LAB ID : 405132750

Client : MORaine ENVIRONMENTAL INC  
Report Date : 7/12/99  
Collection Date : 7/6/99  
Matrix Type : WATER

### Organic Results

#### EPA 8260 VOLATILE LIST- WATER

Prep Method: SW846 5030B

Prep Date: 7/9/99

Analyst: JJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.27	0.27	0.86		ug/L		7/9/99	SW846 8260B
Bromobenzene	< 0.83	0.83	2.6		ug/L		7/9/99	SW846 8260B
Bromochloromethane	< 0.42	0.42	1.3		ug/L		7/9/99	SW846 8260B
Bromodichloromethane	< 0.30	0.30	0.96		ug/L		7/9/99	SW846 8260B
Bromoform	< 0.44	0.44	1.4		ug/L		7/9/99	SW846 8260B
Bromomethane	< 0.70	0.70	2.2		ug/L		7/9/99	SW846 8260B
s-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/9/99	SW846 8260B
t-Butylbenzene	< 0.32	0.32	1.0		ug/L		7/9/99	SW846 8260B
n-Butylbenzene	< 0.29	0.29	0.92		ug/L		7/9/99	SW846 8260B
Carbon tetrachloride	< 0.34	0.34	1.1		ug/L		7/9/99	SW846 8260B
Chloroform	< 0.35	0.35	1.1		ug/L		7/9/99	SW846 8260B
Chlorobenzene	< 0.23	0.23	0.73		ug/L		7/9/99	SW846 8260B
Chlorodibromomethane	< 0.42	0.42	1.3		ug/L		7/9/99	SW846 8260B
Chloroethane	< 0.54	0.54	1.7		ug/L		7/9/99	SW846 8260B
Chloromethane	< 0.61	0.61	1.9		ug/L		7/9/99	SW846 8260B
2-Chlorotoluene	< 0.31	0.31	0.99		ug/L		7/9/99	SW846 8260B
4-Chlorotoluene	< 0.32	0.32	1.0		ug/L		7/9/99	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.41	0.41	1.3		ug/L		7/9/99	SW846 8260B
1,2-Dibromoethane	< 0.39	0.39	1.2		ug/L		7/9/99	SW846 8260B
Dibromomethane	< 0.53	0.53	1.7		ug/L		7/9/99	SW846 8260B
1,3-Dichlorobenzene	< 0.34	0.34	1.1		ug/L		7/9/99	SW846 8260B
1,4-Dichlorobenzene	< 0.30	0.30	0.96		ug/L		7/9/99	SW846 8260B
1,2-Dichloroethane	< 0.37	0.37	1.2		ug/L		7/9/99	SW846 8260B
1,2-Dichlorobenzene	< 0.25	0.25	0.80		ug/L		7/9/99	SW846 8260B
1,1-Dichloroethene	21	0.43	1.4		ug/L		7/9/99	SW846 8260B
cis-1,2-Dichloroethene	190	0.28	0.89		ug/L		7/9/99	SW846 8260B
Dichlorodifluoromethane	< 0.47	0.47	1.5		ug/L		7/9/99	SW846 8260B
trans-1,2-Dichloroethene	< 0.79	0.79	2.5		ug/L		7/9/99	SW846 8260B
1,2-Dichloropropane	< 0.35	0.35	1.1		ug/L		7/9/99	SW846 8260B
1,1-Dichloroethane	100	0.35	1.1		ug/L		7/9/99	SW846 8260B



1795 Industrial Drive  
 Green Bay, WI 54302  
 920-469-2436  
 800-7-ENCHEM  
 Fax: 920-469-8827

**- Analytical Report -**

**Project Name : TECUMSEH**

**Project Number : #1177**

**Field ID : MW-12 BR-1**

**Lab Sample Number : 893767-017**

**WI DNR LAB ID : 405132750**

**Client : MORaine ENVIRONMENTAL INC**

**Report Date : 7/12/99**

**Collection Date : 7/6/99**

**Matrix Type : WATER**

1,3-Dichloropropane	< 0.42	0.42	1.3	ug/L	7/9/99	SW846 8260B
2,2-Dichloropropane	< 0.36	0.36	1.1	ug/L	7/9/99	SW846 8260B
1,1-Dichloropropene	< 0.81	0.81	2.6	ug/L	7/9/99	SW846 8260B
cis-1,3-Dichloropropene	< 0.32	0.32	1.0	ug/L	7/9/99	SW846 8260B
trans-1,3-Dichloropropene	< 0.43	0.43	1.4	ug/L	7/9/99	SW846 8260B
Diisopropyl ether	< 0.55	0.55	1.8	ug/L	7/9/99	SW846 8260B
Ethylbenzene	< 0.32	0.32	1.0	ug/L	7/9/99	SW846 8260B
Fluorotrichloromethane	< 0.28	0.28	0.89	ug/L	7/9/99	SW846 8260B
Hexachlorobutadiene	< 0.62	0.62	2.0	ug/L	7/9/99	SW846 8260B
Isopropylbenzene	< 0.26	0.26	0.83	ug/L	7/9/99	SW846 8260B
p-Isopropyltoluene	< 0.24	0.24	0.76	ug/L	7/9/99	SW846 8260B
Methylene chloride	< 0.36	0.36	1.1	ug/L	7/9/99	SW846 8260B
Methyl-tert-butyl-ether	< 0.32	0.32	1.0	ug/L	7/9/99	SW846 8260B
Naphthalene	< 0.35	0.35	1.1	ug/L	7/9/99	SW846 8260B
n-Propylbenzene	< 0.76	0.76	2.4	ug/L	7/9/99	SW846 8260B
Styrene	< 0.17	0.17	0.54	ug/L	7/9/99	SW846 8260B
1,1,2,2-Tetrachloroethane	< 0.69	0.69	2.2	ug/L	7/9/99	SW846 8260B
1,1,1,2-Tetrachloroethane	< 0.70	0.70	2.2	ug/L	7/9/99	SW846 8260B
Tetrachloroethene	< 0.43	0.43	1.4	ug/L	7/9/99	SW846 8260B
Toluene	3.5	0.27	0.86	ug/L	7/9/99	SW846 8260B
1,2,3-Trichlorobenzene	< 0.47	0.47	1.5	ug/L	7/9/99	SW846 8260B
1,2,4-Trichlorobenzene	< 0.27	0.27	0.86	ug/L	7/9/99	SW846 8260B
1,1,1-Trichloroethane	190	0.30	0.96	ug/L	7/9/99	SW846 8260B
1,1,2-Trichloroethane	< 0.61	0.61	1.9	ug/L	7/9/99	SW846 8260B
1,2,4-Trimethylbenzene	< 0.22	0.22	0.70	ug/L	7/9/99	SW846 8260B
Trichloroethene	70	0.37	1.2	ug/L	7/9/99	SW846 8260B
1,2,3-Trichloropropane	< 0.75	0.75	2.4	ug/L	7/9/99	SW846 8260B
1,3,5-Trimethylbenzene	< 0.27	0.27	0.86	ug/L	7/9/99	SW846 8260B
Vinyl chloride	0.26	0.20	0.64	ug/L	Q 7/9/99	SW846 8260B
Xylenes, -m, -p	< 0.43	0.43	1.4	ug/L	7/9/99	SW846 8260B
Xylene, -o	< 0.24	0.24	0.76	ug/L	7/9/99	SW846 8260B
4-Bromofluorobenzene	88			%Recov	7/9/99	SW846 8260B
Dibromofluoromethane	89			%Recov	7/9/99	SW846 8260B
Toluene-d8	93			%Recov	7/9/99	SW846 8260B

Company Name: MET  
 Branch or Location: CONTOON  
 Project Contact: Steve Barton  
 Telephone: 377-9060  
 Project Number: # 1177  
 Project Name: TECUMSEH  
 Project State: 91451 Condon  
 Sampled By (Print): R. Druker  
 Regulatory Program (circle): UST RCRA CLP SDWA  
 NPDES/WPDES CAA NR  
 Other \_\_\_\_\_



1241 Bellevue St., Suite 9  
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 Madison, WI 53711  
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 FAX: 608-233-0502

1423 N. 8th Street, Suite 122  
 Superior, WI 54880  
 715-392-5844 • 1-800-837-8238  
 FAX 715-392-5843

# CHAIN OF CUSTODY

Page 1 of 1

P.O. # \_\_\_\_\_ Quote # \_\_\_\_\_

Mail Report To: Steve Barton

Company: MET

Address: 1734 12th Ave  
Condon WI

Invoice To: \_\_\_\_\_

Company: \_\_\_\_\_

Address: Same as Above

Mail Invoice To: \_\_\_\_\_

FILTERED? (YES/NO) N  
 PRESERVATION (CODE) \* R

ANALYSES REQUESTED  
VOC

FIELD ID	SAMPLE DESCRIPTION	COLLECTION		FIELD SCREEN	MATRIX	SHADED AREA FOR LABORATORY USE ONLY			LABORATORY NUMBER
		DATE	TIME			GOOD COND.	TOTAL BOTTLES	COMMENTS	
3	MW-3 BR-2	7/6/99	PM	X	W	✓	3-10ml		001
3	MW-3-D		DM	X	W				002
9	MW-9		PM	X	W				003
12	MW-12		DM	X	W				004
15	MW-18 BR-1		DM	X	W				005
18	MW-18 BR-2		AM	X	W				006
19	MW-19 BR-1		AM	X	W				007
19	MW-19 BR-2		AM	X	W				008
20	MW-20 BR-1		AM	X	W				009
20	MW-20 BR-2		AM	X	W				010
21	MW-21 BR-1		AM	X	W				011
21	MW-21 BR-2		AM	X	W				012
22	MW-22 BR		AM	X	W				013

**\*Preservation Code**  
 A=None B=HCL C=H2SO4  
 D=HN03 E=EnCore F=Methanol\*\*  
 G=NaOH O=Other (Indicate)

\*\*If not using En Chem's methanol, indicate volume of methanol added and mark the appropriate samples.

Relinquished By: <u>R. Druker</u> Date/Time: <u>7/7/99 7:00 AM</u>	Received By: <u>R. Druker</u> Date/Time: <u>7/7/99 7:00 AM</u>	En Chem Project No. <u>893767</u>
Relinquished By: <u>R. Druker</u> Date/Time: <u>7/7/99 12:00</u>	Received By: <u>R. Druker</u> Date/Time: <u>7/7/99 12:00</u>	Sample Receipt Temp. <u>ROI</u>
Relinquished By: <u>R. Druker</u> Date/Time: <u>7/7/99 1:50</u>	Received By: <u>R. Druker</u> Date/Time: <u>7/7/99 1:50</u>	Sample Receipt pH (Wet/Metals)
Relinquished By: _____ Date/Time: _____	Received By: <u>Andy Sell</u> Date/Time: <u>7/7/99 16:00</u>	Custody Seal



Company Name: MET  
 Branch or Location: Granston  
 Project Contact: Steve Benton  
 Telephone: 377-9060  
 Project Number: # 1177  
 Project Name: TORLIMSEN  
 Project State: 9th AVE GRANSTON  
 Sampled By (Print): B. Durkee  
 Regulatory Program (circle): UST RCRA CLP SDWA  
 NPDES/WPDES CAA NR  
 Other



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1423 N. 8th Street, Suite 122  
 Superior, WI 54880  
 715-392-5844 • 1-800-837-8238  
 FAX 715-392-5843

## CHAIN OF CUSTODY

Page 1 of 1

P.O. # \_\_\_\_\_ Quote # \_\_\_\_\_

Mail Report To: Steve Benton

Company: MET

Address: 1234 12th AVE  
 Granston WI

Invoice To: \_\_\_\_\_

Company: \_\_\_\_\_

Address: SAME AS ABOVE

Mail Invoice To: \_\_\_\_\_

FILTERED? (YES/NO) N  
 PRESERVATION (CODE)\* R

ANALYSES REQUESTED  
VOC

### SHADED AREA FOR LABORATORY USE ONLY

FIELD ID	SAMPLE DESCRIPTION	COLLECTION		FIELD SCREEN	MATRIX	GOOD COND.	TOTAL BOTTLES	COMMENTS	LABORATORY NUMBER
		DATE	TIME						
5	PW-5	7-6-99	PM	X	W	✓	3-40ml		014
38	PW-38		PM	X	W	✓			015
30	PW-30		AM	X	W	low pH			016
17	PW-17 BR-1		PM	X	W	✓			017
* No Trip Blanks									

**\*Preservation Code**  
 A=None B=HCL C=H2SO4  
 D=HN03 E=EnCore F=Methanol\*\*  
 G=NaOH O=Other (Indicate)  
 \*\*If not using En Chem's methanol, indicate volume of methanol added and mark the appropriate samples.

Relinquished By: B. Durkee 7-7-99 7:00 AM Received By: [Signature] 7/7/99 9:00  
 Relinquished By: [Signature] 7/7/99 10:00 Received By: [Signature] 7/7/99 10:00  
 Relinquished By: [Signature] 7/7/99 1:50 Received By: [Signature] 7/7/99 16:00

En Chem Project No. 893767  
 Sample Receipt Temp. ROI  
 Sample Receipt pH (Wet/Metals)  
 Custody Seal

**ATTACHMENT B**

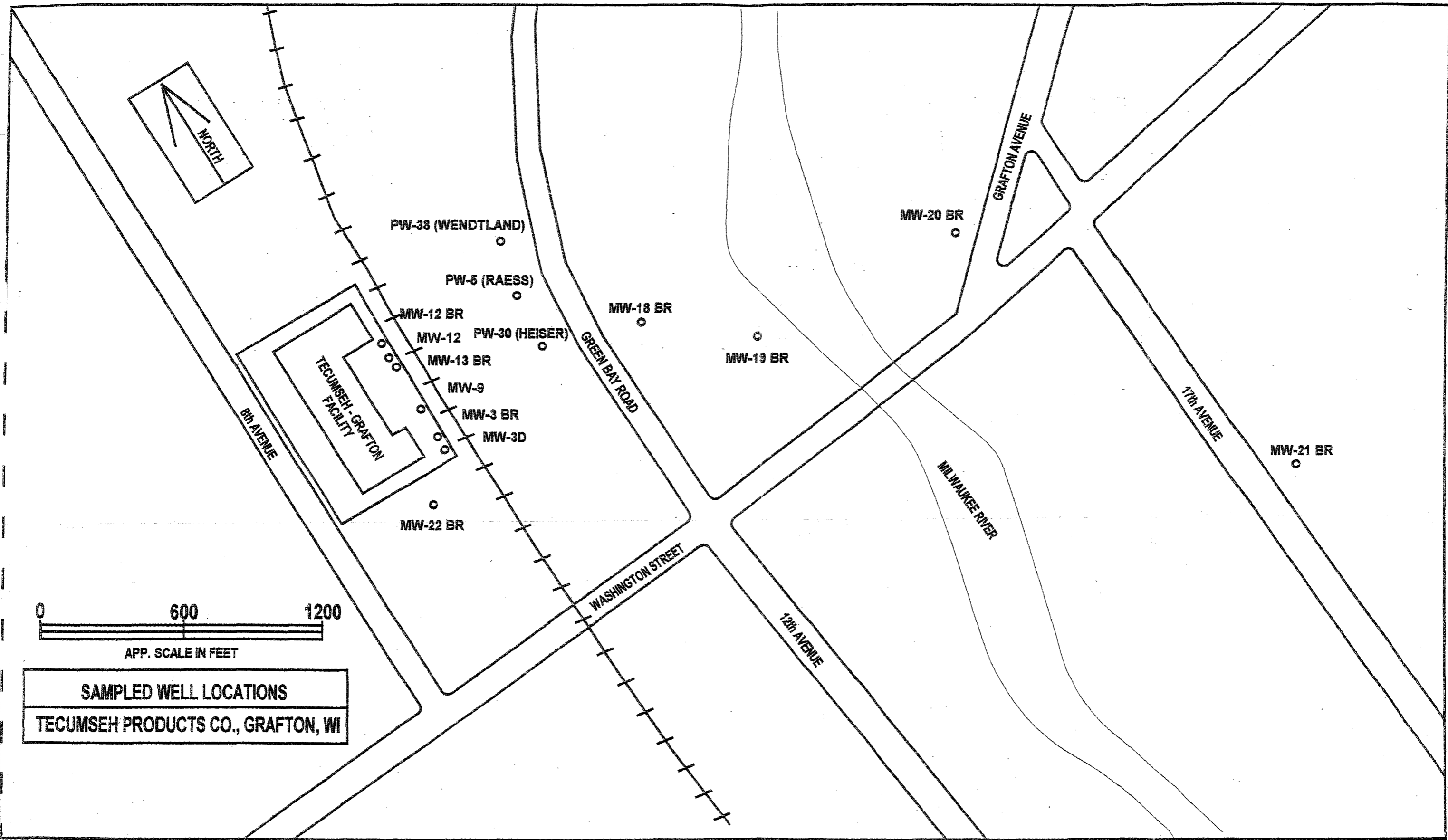
**PREVIOUS ANALYTICAL SUMMARY TABLES  
(MEI and RMT, INC.)**

**TABLE 1  
TECUMSEH MONITORING - GRAFTON FACILITY  
GROUNDWATER LAB RESULTS (detected compounds only)**

Well Name	MW-3 BR (2)	MW-3-D	MW-9	MW-12	MW-18 BR (1)	MW-18 BR (2)	MW-19 BR (1)	MW-19 BR (2)	MW-20 BR (1)	MW-20 BR (2)	MW-21 BR (1)	MW-21 BR (2)	MW-22 BR	Raess Residence PW-5	Wendtland Residence PW-38	Heiser Residence PW-30	MW-12 BR (1)	NR140 ES	NR140 PAL
Collection Date	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	ES	PAL
Chloroform	<0.35	<0.35	<0.35	<1.7	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	1.4	<0.35	6.0	0.6
Chloroethane	0.56Q	<0.54	<0.54	<2.7	<0.54	<0.54	<0.54	1.8	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	400	80
1,2-Dichloroethane	<b>0.60Q</b>	<0.37	<0.37	<1.8	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	5.0	0.5
1,1-Dichloroethene	<0.43	<0.43	<b>14</b>	<2.1	<b>0.99Q</b>	<b>6.9</b>	<b>6.2</b>	<b>0.89Q</b>	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<b>21</b>	7.0	0.7
cis-1,2-Dichloroethene	<0.28	0.44Q	<b>30</b>	3.6Q	4.0	<b>25</b>	<b>27</b>	4.3	<0.28	<0.28	<0.28	<0.28	2.3	<0.28	<0.28	1.0	<b>190</b>	70	7.0
1,1-Dichloroethane	66	<0.35	78	2.3Q	8.8	41	60	11	<0.35	<0.35	<0.35	<0.35	0.74Q	<0.35	<0.35	1.0Q	<b>100</b>	850	85
Diisopropyl Ether	<0.55	6.6	<0.55	<2.8	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	NSE	NSE
Isopropylbenzene	<0.26	<0.26	<0.26	<1.3	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	NSE	NSE
Methylene Chloride	<0.36	<0.36	<0.36	<b>2.2</b>	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	5.0	0.5
n-Propylbenzene	<0.76	<0.76	<0.76	<3.8	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	NSE	NSE
Methyl-tert-butyl-ether	<0.32	<0.32	<0.32	<1.6	0.50Q	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	60	12
Toluene	<0.27	<0.27	0.67Q	<1.4	<0.27	<0.27	<0.27	0.29Q	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	343	69
1,1,1-Trichloroethane	1.1	<0.30	<b>41</b>	36	4.4	30	1.4	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	1.5	0.63Q	<b>190</b>	200	40
Trichloroethene	<0.37	<b>6.8</b>	<b>91</b>	<b>660</b>	<b>8.2</b>	<b>46</b>	<b>150</b>	<b>11</b>	<0.37	<0.37	<0.37	<0.37	<b>13</b>	<0.37	<b>1.6</b>	<b>1.7</b>	<b>70</b>	5.0	0.5
Vinyl Chloride	<b>0.29Q</b>	<0.20	<b>1.1</b>	<1.0	<0.20	<0.20	<b>1.1</b>	<b>0.7</b>	<b>0.38Q</b>	<b>0.52Q</b>	<0.20	<b>0.25Q</b>	<0.20	<0.20	<0.20	<0.20	<b>0.26Q</b>	0.2	0.02

Notes:

mg/L = milligrams per liter = parts per million (ppm)  
 ug/L = micrograms per liter = parts per billion (ppb)  
 NA - Not Analyzed ; Q - parameter detected below quantitative limit (qualified results)  
 NSE - No Standard Established ; ND - No Detect ; NSC - No Sample Collected  
 ES = NR140.10 Enforcement Standard  
 PAL = NR140.10 Preventative Action Limit  
 Highlighted and **Bold** results indicate concentrations exceeding WDNR NR140 ES  
**Bold** results indicate concentrations exceeding WDNR NR140 PAL



**LEGISLATIVE MONITORING - CRAFTON FACILITY  
GROUNDWATER LABORATORY RESULTS - DECEMBER 1997  
(Detected Compounds Only (1st & 2nd MEETINGS) - P VOCs and Method 8260 VOCs)**

Well Name	MW-3 BR (2)	MW-3D	MW-9	MW-12	MW-13 BR (2)	MW-18 BR (1)	MW-18 BR (2)	MW-19 BR (1)	MW-19 BR (2)	MW-20 BR (1)	MW-20 BR (2)	MW-21 BR (1)	MW-21 BR (2)	Raess Residence	Lauer Residence	Heiser Residence	Enforcement Standards	Preventive Action Limits
Sampling Date	12/18/97	12/18/97	12/18/97	12/18/97	12/18/97	12/18/97	12/18/97	12/18/97	12/18/97	12/18/97	12/18/97	12/18/97	12/18/97	1/9/98	1/9/98	1/9/98		
Benzene	<0.41	<0.41	<10	<2.0	<2.0	<0.41	<0.41	<0.82	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	5.0	0.5
sec-Butylbenzene	<0.23	<0.23	<5.8	<1.2	<1.2	<0.23	<0.23	<0.46	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	NSE	NSE
n-Butylbenzene	<0.31	<0.31	<7.8	<1.6	<1.6	<0.31	<0.31	<0.62	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	NSE	NSE
Chloroform	<0.25	<0.25	<6.2	<1.2	<1.2	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	1.6	6.0	0.6
Chloroethane	<0.25	<0.25	<6.2	<1.2	<1.2	<0.25	<0.25	<0.50	1.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	400	80
1,2-Dichloroethane	<0.24	<0.24	<6.0	<1.2	<1.2	<0.24	<0.24	<0.48	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	5.0	0.5
1,1-Dichloroethene	<b>26</b>	4.7	<b>39</b>	<b>29</b>	<b>80</b>	1.0	2.7	<b>17</b>	<b>0.86</b>	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	0.31	7.0	0.7
cis-1,2-Dichloroethene	41	2.0	<b>1100</b>	11	55	2.9	14	49	4.5	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	2.8	70	7.0
Dichlorodifluoromethane	<0.25	0.59	<6.2	<1.2	<1.2	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	0.43	<0.25	<0.25	1000	200
trans-1,2-Dichloroethene	0.59	<0.25	9.0	<1.2	<1.2	<0.25	0.44	0.94	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	100	20
1,1-Dichloroethane	120	8.3	66	62	250	6.6	29	120	15	<0.26	<0.26	<0.26	<0.26	0.75	2.0	3.0	850	85
Ethylbenzene	<0.23	<0.23	<5.8	<1.2	<1.2	<0.23	<0.23	<0.46	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	700	140
Isopropylbenzene	<0.27	0.90	<6.8	<1.4	<1.4	<0.27	<0.27	<0.54	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	NSE	NSE
p-Isopropyltoluene	<0.22	<0.22	<5.5	<1.1	<1.1	<0.22	<0.22	<0.44	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	NSE	NSE
Methylene Chloride	<0.22	0.34	<5.5	3.4	2.5	<0.22	<0.22	1.3	0.27	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	5.0	0.5
Methyl-Tert-Butyl-Ether	<0.53	<0.53	<13	<2.6	<2.6	<0.53	<0.53	<1.1	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	60	12
Naphthalene	<0.66	<0.66	<16	<3.3	<3.3	<0.66	<0.66	<1.3	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	40	8
n-Propylbenzene	<0.27	0.49	<6.8	<1.4	<1.4	<0.27	<0.27	<0.54	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	NSE	NSE
Tetrachloroethene	<0.27	<0.27	<6.8	<1.4	<1.4	<0.27	<0.27	<0.54	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	0.34	5.0	0.5
Toluene	0.80	<0.28	<7.0	<1.4	<1.4	<0.28	<0.28	<0.56	0.38	<0.28	0.96	<0.28	<0.28	<0.28	<0.28	<0.28	343	68.6
1,1,1-Trichloroethane	73	9.1	<b>500</b>	<b>250</b>	<b>670</b>	5.1	23	5.4	<0.27	<0.27	<0.27	<0.27	<0.27	0.83	2.0	2.1	200	40
1,2,4-Trimethylbenzene	<0.30	<0.30	<7.5	<1.5	<1.5	<0.30	<0.30	<0.60	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	NSE	NSE
Trichloroethene	<b>160</b>	9.2	<b>1900</b>	<b>1000</b>	<b>330</b>	6.7	24	<b>380</b>	10	<0.20	<0.20	<0.20	<0.20	0.36	1.5	2.8	5.0	0.5
1,3,5-Trimethylbenzene	<0.25	<0.25	<6.2	<1.2	<1.2	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	NSE	NSE
Vinyl Chloride	1.5	4.7	<5.8	<1.2	<1.2	<0.23	<0.23	2.8	0.57	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	0.2	0.02
Xylene, Total	<0.51	<0.51	<13	<2.5	<2.5	<0.51	<0.51	<1.0	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	620	124

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 All results reported in ug/l (equivalent to parts per billion)

**TECUMSEH MONITORING - GRAFTON FACILITY**  
**GROUNDWATER LABORATORY RESULTS - DECEMBER 1998**  
 (Detected Compounds Only)

Well Name	MW-3 BR (2)	MW-3D	MW-9	MW-12	MW-13 BR (2)	MW-18 BR (1)	MW-18 BR (2)	MW-19 BR (1)	MW-19 BR (2)	MW-20 BR (1)	MW-20 BR (2)	MW-21 BR (1)	MW-21 BR (2)	MW-22 BR	Raess Residence PW-5	Wendtland Residence PW-38	Heiser Residence PW-30	Enforcement Standards	Preventive Action Limits
Sampling Date	12-30-98	12-30-98	12-30-98	12-30-98	12-30-98	12-30-98	12-30-98	12-30-98	12-30-98	12-30-98	12-30-98	12-30-98	12-30-98	12-30-98	1-8-99	1-8-99	1-8-99		
Chloroform	<0.35	NSC	<3.5	<3.5	NSC	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.15	<0.15	1.9	6.0	0.6
1,1-Dichloroethene	<0.43	NSC	<b>13</b>	<b>13</b>	NSC	<0.43	<b>0.81</b>	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.15	0.18	0.22	7.0	0.7
cis-1,2-Dichloroethene	<b>34</b>	NSC	<b>750</b>	<b>40</b>	NSC	1.8	2.4	<b>32</b>	5.9	<0.28	<0.28	<0.28	<0.28	5.3	<0.16	0.19	2.4	70	7.0
trans-1,2-Dichloroethene	<0.79	NSC	8.7	<7.9	NSC	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.79	<0.17	<0.17	<0.17	100	20
1,1-Dichloroethane	<b>100</b>	NSC	62	67	NSC	4.1	5.3	74	16	<0.35	<0.35	<0.35	<0.35	2.5	0.51	1.9	2.5	850	85
Methylene Chloride	<b>0.79</b>	NSC	<3.6	<3.6	NSC	0.39	<b>0.89</b>	<b>0.73</b>	1.0	<b>0.61</b>	0.42	<b>0.74</b>	<b>0.63</b>	1.1	0.28	0.29	0.33	5.0	0.5
Toluene	1.2	NSC	<2.7	<2.7	NSC	<0.27	0.39	<0.27	0.42	<0.27	0.27	<0.27	<0.27	<0.27	0.13	<0.13	<0.13	343	68.6
1,1,1-Trichloroethane	<b>59</b>	NSC	<b>440</b>	<b>200</b>	NSC	2.9	2.0	2.5	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	0.63	1.5	1.5	200	40
Trichloroethene	<b>120</b>	NSC	<b>2100</b>	<b>2200</b>	NSC	4.9	<b>2.3</b>	<b>150</b>	<b>11</b>	<0.37	<0.37	<0.37	<0.37	<b>25</b>	0.31	<b>1.5</b>	<b>2.8</b>	5.0	0.5
Vinyl Chloride	<b>1.7</b>	NSC	<2.0	<2.0	NSC	<0.20	<0.20	<b>1.7</b>	<0.20	<0.20	<0.20	<b>0.56</b>	<b>0.39</b>	<0.20	<0.16	<0.16	<0.16	0.2	0.02

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**TECUMSEH MONITORING - GRAFTON FACILITY  
GROUNDWATER LABORATORY RESULTS - JULY 1998  
(Detected Compounds Only)**

Well Name	MW-3 BR (2)	MW-3D	MW-9	MW-12	MW-13 BR (2)	MW-18 BR (1)	MW-18 BR (2)	MW-19 BR (1)	MW-19 BR (2)	MW-20 BR (1)	MW-20 BR (2)	MW-21 BR (1)	MW-21 BR (2)	Raess Residence	Wendland Residence	Heiser Residence	Enforcement Standards	Preventive Action Limits
Sampling Date	7-10-98	7-13-98	7-13-98	7-13-98	7-10-98	7-10-98	7-10-98	7-10-98	7-10-98	7-10-98	7-10-98	7-10-98	7-10-98	7-27-98	7-27-98	7-27-98		
Benzene	<0.27	<0.27	<6.8	<2.7	<2.7	<0.27	<0.27	<0.54	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	0.45	<0.27	5.0	0.5
Chloroform	<0.35	<0.35	<8.8	<3.5	<3.5	<0.35	<0.35	<0.70	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	1.5	6.0	0.6
Chloroethane	<0.54	<0.54	<14	<5.4	<5.4	<0.54	<0.54	<1.1	1.2	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	400	80
1,1-Dichloroethene	<b>19</b>	<0.43	<b>74</b>	<b>23</b>	<b>110</b>	1.4	<b>6.9</b>	<b>19</b>	1.2	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	7.0	0.7
cis-1,2-Dichloroethene	<b>38</b>	0.64	<b>910</b>	9.3	<b>71</b>	5.6	<b>22</b>	<b>56</b>	3.2	<0.28	<0.28	<0.28	<0.28	<0.28	0.47	1.2	70	7.0
Dichlorodifluoromethane	<0.47	<0.47	<12	<4.7	<4.7	<0.47	<0.47	<0.94	<0.47	<0.47	<0.47	<0.47	<0.47	0.47	<0.47	<0.47	1000	200
1,1-Dichloroethane	<b>100</b>	<0.35	<b>150</b>	38	<b>330</b>	11	36	<b>130</b>	7.2	<0.35	<0.35	<0.35	<0.35	1.0	2.0	1.3	850	85
Diisopropyl Ether	<0.55	8.7	<14	<5.5	<5.5	<0.55	<0.55	<1.1	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	700	140
Methylene Chloride	<0.36	<0.36	<b>18</b>	<b>6.0</b>	<b>5.5</b>	<0.36	<0.36	1.3	0.36	<0.36	<0.36	<0.36	<0.36	<b>0.80</b>	<b>1.1</b>	<b>0.62</b>	5.0	0.5
Methyl-Tert-Butyl-Ether	<0.32	<0.32	<8.0	<3.2	<3.2	0.65	<0.32	<0.64	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	60	12
Toluene	0.51	<0.27	<6.8	<2.7	<2.7	<0.27	<0.27	<0.54	0.39	<0.27	0.39	<0.27	<0.27	<0.27	<0.27	<0.27	343	68.6
1,1,1-Trichloroethane	<b>49</b>	<0.30	<b>590</b>	<b>130</b>	<b>820</b>	6.8	31	4.7	<0.30	<0.30	<0.30	<0.30	<0.30	1.1	1.6	0.94	200	40
Trichloroethene	<b>140</b>	<b>13</b>	<b>2,200</b>	<b>770</b>	<b>380</b>	<b>11</b>	<b>44</b>	<b>370</b>	<b>9.5</b>	<0.37	<0.37	<0.37	<0.37	<b>0.52</b>	<b>1.8</b>	<b>1.5</b>	5.0	0.5
Vinyl Chloride	<b>1.0</b>	<0.20	<5.0	<2.0	<b>2.1</b>	<0.20	<0.20	<b>3.5</b>	<b>2.0</b>	<0.20	<b>0.41</b>	<0.20	<0.20	<0.20	<0.20	<0.20	0.2	0.02

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