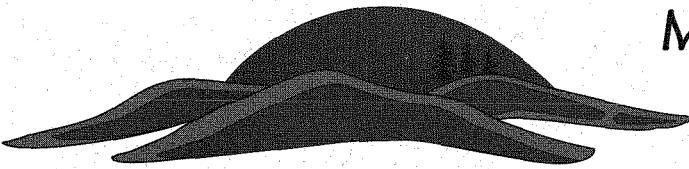


rec 2/7/98

# Moraine Environmental, Inc.

Environmental Management Services



Mr. John Feeney  
Hydrogeologist  
Wisconsin Department of Natural Resources  
Southeast District - Annex Building  
4041 North Richards Street  
P.O. Box 12436  
Milwaukee, WI 53212

January 28, 1998  
Proj. Ref. #1177  
FID#246009170

RE: Biannual Groundwater Monitoring Results - December, 1997  
**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 are continuing to be provided by RMT, Inc. of Madison, Wisconsin.

This letter report was prepared to summarize the December, 1997 sampling and analysis of sixteen downgradient groundwater samples 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 December 18, 1997. 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-3D	MW-18 BR(2)	MW-20 BR(2)
MW-9	MW-19 BR(1)	MW-21 BR(1)
MW-12	MW-19 BR(2)	MW-21 BR(2)
MW-13 BR(2)		

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

Private water supply wells PW-38 (Lauer Property), PW-5 (Raess Property), and PW-30 (Heiser Property) were also sampled for 8260 VOCs on January 9, 1998.

Groundwater samples from monitoring wells MW-3D, 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. Due to high carbonate content in the groundwater causing effervescence with the HCL preservative, the samples were not field preserved and were analyzed within six days of collection. The remaining monitoring wells were sampled through dedicated multi-level bladder pump systems (Solinist 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.

Due to temperatures below freezing which affected the instrumentation, the field measured parameters including pH, conductivity, and dissolved oxygen could not be accurately obtained. These parameters will be measured and the results will be included with the June, 1998 sample results.

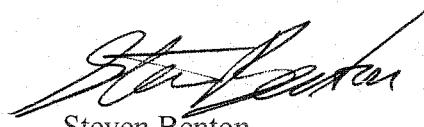
#### Analytical Results

All 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 table summarizing the July, 1997 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 identified in monitoring wells 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), and MW-19 BR(2). Preventive Action Limits were slightly exceeded in private wells PW-38 and PW-30. The analytical results were similar to previously acquired analytical results.

Biannual samples will again be collected in June, 1998. 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 Sweet  
President

  
Steven Benton  
Project Hydrogeologist

enc.

E:\WPWIN\MEITEH11\1177REP2.WPD

12/97

**TECUMSEH MONITORING - GRAFTON FACILITY  
GROUNDWATER LABORATORY RESULTS - DECEMBER 1997**  
(Detected Compounds Only (1st & 2nd MEI EVENTS) - PVOCS 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	26	4.7	39	29	80	1.0	2.7	17	0.86	<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	1100	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	500	250	670	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	160	9.2	1900	1000	330	6.7	24	280	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

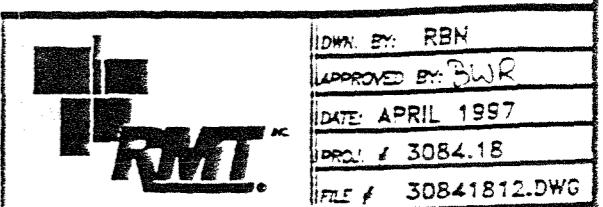
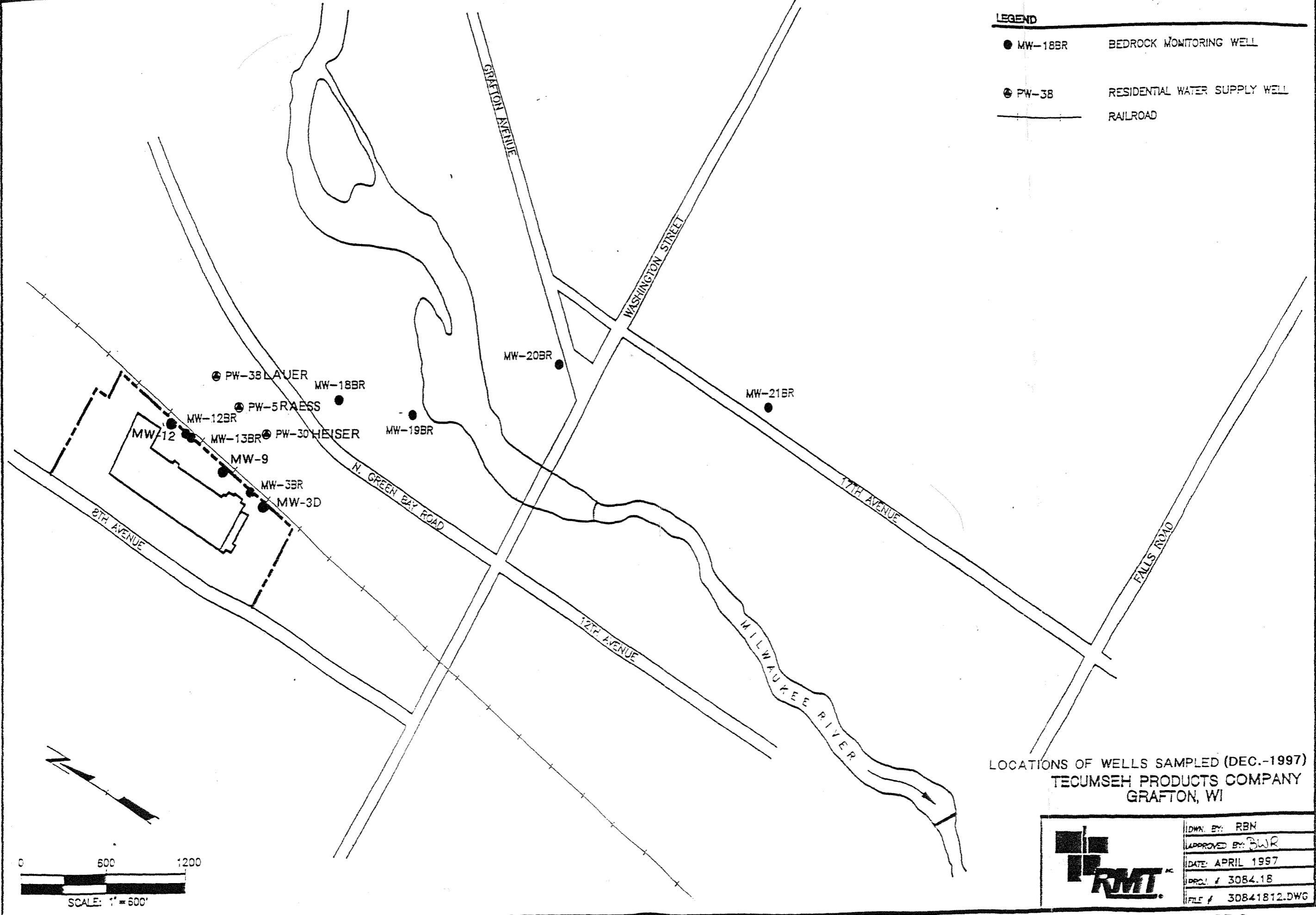
**KEY:**  
NA - Not Analyzed  
NSE - No Standard Established  
Bold - Exceeds PAL  
Bold and Shaded - Exceeds ES

ES - Enforcement Standard  
PAL - Preventive Action Limit  
All results reported in ug/l (equivalent to parts per billion)

E:\WPWIN\METTEH\11177GW2.TBL

**FILE DATA**  
Drawing Name: J:\03084\10\30841812.DWG  
Operator Name: RMT  
Scale: 1"-600'

Dwg Size: 157900 Bytes  
Plot Date: Thursday, March 20, 1997  
Plot Time: 09:36:09 AM  
Attached Xref's: No Xref's Attached



**ATTACHMENT A**

**ANALYTICAL REPORTS**

Company Name: Moraine Env. Inc.,  
 Branch or Location: Grafton  
 Project Contact: Steven Benton  
 Telephone: (414) 377-9060  
 Project Number: # 1177



*Due = 12/31/97*

1241 Bellevue St., Suite 9  
 Green Bay, WI 54302  
 920-469-2436 • 1-800-736-2436  
 FAX 920-469-8827

802 Deming Way  
 Madison, WI 53717  
 608-827-5501 • 1-888-536-2436  
 Fax: 608-827-5503

1433 N. 8th Street., Suite 122  
 Superior, WI 54880  
 715-392-5844 • 1-800-837-8238  
 FAX 715-392-5843

## CHAIN OF CUSTODY

14805

Page 1 of 1

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

Mail Report To: *MET*

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

Address: \_\_\_\_\_

Invoice To: *MET*

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

Address: \_\_\_\_\_

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

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

N

A

ANALYSES REQUESTED  
*7260 VOC's*

Project Name: TECUMSEH MONITORING

Project Location: GRAFTON FACILITY

Sampled By (Print): CHRIS HAASE

Regulatory Program (circle): UST RCRA CLP SDWA

NPDES/WPDES CAA NR \_\_\_\_\_

Other \_\_\_\_\_

NR720 Confirmation Analysis Required? (circle): Y N

(En Chem will not confirm unless otherwise instructed.)

FIELD ID	SAMPLE DESCRIPTION	COLLECTION		FIELD SCREEN	MATRIX	SHADeD AREA FOR LABORATORY USE ONLY		
		DATE	TIME			GOOD COND.	TOTAL BOTTLES	COMMENTS
	MW-3D	12-18-97	8:00	✓		X	4-40ml	001
	MW-20 BR(1)		8:30			X	40ml	002
	MW-3 BR(2)		9:00			X		003
	MW-20 BR(2)		9:30			X		004
	DUPLICATE		10:00			X		005
	MW-9		10:30			X		006
	MW-21 BR(1)		11:00			X		007
	MW-21 BR(2)		11:30			X		008
	MW-12		12:00			X		009
	MW-13 BR(2)		12:30			X		010
	TRIP BLANK		-			X	2-40ml	011
	FIELD BLANK		-			X	2-40ml	012

SAMPLES  
 ARE  
 NOT PRESERVED  
 7 DAY ANALYSIS

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

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

Relinquished By: <i>Steven Benton</i>	Date/Time: <i>12/19/97 12:30</i>	Received By: <i>uninitialled</i>	Date/Time: <i>12/19/97 9:30</i>	En Chem Project No. <i>SM5359</i>
Relinquished By: <i>Steven Benton</i>	Date/Time: <i>12/19/97 12:30</i>	Received By: <i>uninitialled</i>	Date/Time: <i>12/19/97 12:45</i>	Sample Receipt Temp. <i>R01</i>
Relinquished By: <i>Steven Benton</i>	Date/Time: <i>12/19/97 16:00</i>	Received By: <i>uninitialled</i>	Date/Time: <i>12/19/97 16:00</i>	Sample Receipt pH (Wet/Metals) <i>R01</i>
Relinquished By: <i>Steven Benton</i>	Date/Time: <i>12/19/97 16:00</i>	Received By (En Chem): <i>Rika Meats</i>	Date/Time: <i>12/19/97 16:00</i>	

Company Name: Moraine Env. Inc.  
 Branch or Location: Grafton  
 Project Contact: Steven Bentley  
 Telephone: (414) 377-9060  
 Project Number: # 1177  
 Project Name: TECUMSEH MONITORING  
 Project Location: GRAFTON FACILITY  
 Sampled By (Print): CHRIS HAASE  
 Regulatory Program (circle): UST RCRA CLP SDWA  
 NPDES/WPDES CAA NR  
 Other  
 NR720 Confirmation Analysis Required? (circle): Y N  
 (En Chem will not confirm unless otherwise instructed.)

FIELD ID	SAMPLE DESCRIPTION	COLLECTION		FIELD SCREEN	MATRIX	SHADED AREA FOR LABORATORY USE ONLY		
		DATE	TIME			GOOD COND.	TOTAL BOTTLES	COMMENTS
MW-18	BR (1)	12-18-97	1:00			X	4-40ml	014013
MW-18	BR (2)		1:30					RA-014014
MW-19	BR (1)		2:00					016015
MW-19	BR (2)		2:50					017016



## CHAIN OF CUSTODY

1241 Bellevue St., Suite 9  
 Green Bay, WI 54302  
 920-469-2436 • 1-800-736-2436  
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 Fax: 608-827-5503

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 Superior, WI 54880  
 715-392-5844 • 1-800-837-8238  
 FAX 715-392-5843

Page 1 of 1

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

Mail Report To: MET

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

Address: \_\_\_\_\_

Invoice To: MET

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

Address: \_\_\_\_\_

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

ANALYSES REQUESTED  
AR60 VOC'S

SAMPLES  
ARE  
NOT PRESERVED

*Preservation Code A=None B=HCL C=H2SO4 D=HN03 E=EnCore F=Methanol** G=NaOH O=Other (Indicate)	Relinquished By: Steven Bentley Date/Time: 12/18/97 9:30	Received By: Steven Bentley Date/Time: 12/18/97 9:30	En Chem Project No. 815360 GD
	Relinquished By: Wytan Bent Date/Time: 12/19/97 12:30	Received By: Wytan Bent Date/Time: 12/19/97 12:30	Sample Receipt Temp. R01
	Relinquished By: A. Welker 12/19/97 16:00	Received By: A. Welker 12/19/97 16:00	Sample Receipt pH (Wet/Metals)
	Relinquished By:	Received By (En Chem) R. Bent 12/19/97 16:00	Date/Time:

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



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

## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client: MORAIN ENVIRONMENTAL INC

WI DNR LAB ID : 405132750

Report Date : 12/26/97

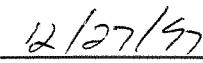
Sample No.	Field ID	Collection Date	Sample No.	Field ID	Collection Date
875359-001	MW-3D	12/18/97			
875359-002	MW-20 BR(1)	12/18/97			
875359-003	MW-3 BR(2)	12/18/97			
875359-004	MW-20 BR(2)	12/18/97			
875359-005	DUPLICATE	12/18/97			
875359-006	MW-9	12/18/97			
875359-007	MW-21 BR(1)	12/18/97			
875359-008	MW-21 BR(2)	12/18/97			
875359-009	MW-12	12/18/97			
875359-010	MW-13 BR(2)	12/18/97			
875359-011	TRIP BLANK	12/18/97			
875359-012	FIELD BLANK	12/18/97			
875359-013	MW-18 BR(1)	12/18/97			
875359-014	MW-18 BR(2)	12/18/97			
875359-015	MW-19 BR(1)	12/18/97			
875359-016	MW-19 BR(2)	12/18/97			

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

Lab#:	TestGroupID:	Comment:
875359	All Samples	Methylene chloride is present in the laboratory environment. Detects should be considered suspect.



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

## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-3D

Report Date : 12/23/97

Lab Sample Number : 875359-001

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

## Organic Results

EPA 8260 VOLATILE LIST- WATER		Prep Method: SW846 5030			Prep Date:	12/22/97	Analyst:	JJB
Analyte	Result	LOD	LCQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.41	0.41	1.3		ug/L		12/22/97	SW846 8260
Bromobenzene	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
Bromoform	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
Bromochloromethane	< 0.18	0.18	0.57		ug/L		12/22/97	SW846 8260
Bromodichloromethane	< 0.18	0.18	0.57		ug/L		12/22/97	SW846 8260
Bromoform	< 0.31	0.31	0.99		ug/L		12/22/97	SW846 8260
Bromomethane	< 0.30	0.30	0.96		ug/L		12/22/97	SW846 8260
s-Butylbenzene	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
t-Butylbenzene	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
n-Butylbenzene	< 0.31	0.31	0.99		ug/L		12/22/97	SW846 8260
Carbon tetrachloride	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
Chloroform	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
Chlorobenzene	< 0.27	0.27	0.86		ug/L		12/22/97	SW846 8260
Chlorodibromomethane	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
Chloroethane	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
Chloromethane	< 0.15	0.15	0.48		ug/L		12/22/97	SW846 8260
2-Chlorotoluene	< 0.27	0.27	0.86		ug/L		12/22/97	SW846 8260
4-Chlorotoluene	< 0.30	0.30	0.96		ug/L		12/22/97	SW846 8260
1,2-Dibromo-3-chloropropane	< 0.58	0.58	1.8		ug/L		12/22/97	SW846 8260
1,2-Dibromoethane	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
Dibromomethane	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
1,3-Dichlorobenzene	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
1,4-Dichlorobenzene	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
1,2-Dichloroethane	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
1,2-Dichlorobenzene	< 0.32	0.32	1.0		ug/L		12/22/97	SW846 8260
1,1-Dichloroethene	4.7	0.28	0.89		ug/L		12/22/97	SW846 8260
cis-1,2-Dichloroethene	2.0	0.28	0.89		ug/L		12/22/97	SW846 8260
Dichlorodifluoromethane	0.59	0.25	0.80		ug/L	Q	12/22/97	SW846 8260
trans-1,2-Dichloroethene	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260



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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-3D

Report Date : 12/23/97

Lab Sample Number : 875359-001

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

1,2-Dichloropropane	< 0.24	0.24	0.76	ug/L	12/22/97	SW846 8260	
1,1-Dichloroethane	8.3	0.26	0.83	ug/L	12/22/97	SW846 8260	
1,3-Dichloropropane	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260	
2,2-Dichloropropane	< 0.45	0.45	1.4	ug/L	12/22/97	SW846 8260	
1,1-Dichloropropene	< 0.26	0.26	0.83	ug/L	12/22/97	SW846 8260	
cis-1,3-Dichloropropene	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260	
trans-1,3-Dichloropropene	< 0.45	0.45	1.4	ug/L	12/22/97	SW846 8260	
Diisopropyl ether	< 0.43	0.43	1.4	ug/L	12/22/97	SW846 8260	
Ethylbenzene	< 0.23	0.23	0.73	ug/L	12/22/97	SW846 8260	
Fluorotrichloromethane	< 0.29	0.29	0.92	ug/L	12/22/97	SW846 8260	
Hexachlorobutadiene	< 0.31	0.31	0.99	ug/L	12/22/97	SW846 8260	
Isopropylbenzene	0.90	0.27	0.86	ug/L	12/22/97	SW846 8260	
p-Isopropyltoluene	< 0.22	0.22	0.70	ug/L	12/22/97	SW846 8260	
Methylene chloride	0.34	0.22	0.70	ug/L	Q	12/22/97	SW846 8260
Methyl-tert-butyl-ether	< 0.53	0.53	1.7	ug/L	12/22/97	SW846 8260	
Naphthalene	< 0.66	0.66	2.1	ug/L	12/22/97	SW846 8260	
n-Propylbenzene	0.49	0.27	0.86	ug/L	Q	12/22/97	SW846 8260
Styrene	< 0.19	0.19	0.61	ug/L	12/22/97	SW846 8260	
1,1,2,2-Tetrachloroethane	< 0.46	0.46	1.5	ug/L	12/22/97	SW846 8260	
1,1,1,2-Tetrachloroethane	< 0.21	0.21	0.67	ug/L	12/22/97	SW846 8260	
Tetrachloroethene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260	
Toluene	< 0.28	0.28	0.89	ug/L	12/22/97	SW846 8260	
1,2,3-Trichlorobenzene	< 0.32	0.32	1.0	ug/L	12/22/97	SW846 8260	
1,2,4-Trichlorobenzene	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260	
1,1,1-Trichloroethane	9.1	0.27	0.86	ug/L	12/22/97	SW846 8260	
1,1,2-Trichloroethane	< 0.30	0.30	0.96	ug/L	12/22/97	SW846 8260	
1,2,4-Trimethylbenzene	< 0.30	0.30	0.96	ug/L	12/22/97	SW846 8260	
Trichloroethene	9.2	0.20	0.64	ug/L	12/22/97	SW846 8260	
1,2,3-Trichloropropane	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260	
1,3,5-Trimethylbenzene	< 0.25	0.25	0.80	ug/L	12/22/97	SW846 8260	
Vinyl chloride	4.7	0.23	0.73	ug/L	12/22/97	SW846 8260	
Xylenes, -m, -p	< 0.51	0.51	1.6	ug/L	12/22/97	SW846 8260	
Xylene, -o	< 0.28	0.28	0.89	ug/L	12/22/97	SW846 8260	
4-Bromofluorobenzene	107			%Recov	12/22/97	SW846 8260	
Dibromofluoromethane	109			%Recov	12/22/97	SW846 8260	



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### - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-3D

Report Date : 12/23/97

Lab Sample Number : 875359-001

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

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Toluene-d8

108

%Recov

12/22/97

SW846 8260



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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-20 BR(1)

Report Date : 12/23/97

Lab Sample Number : 875359-002

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

### Organic Results

EPA 8260 VOLATILE LIST- WATER		Prep Method: SW846 5030			Prep Date:	12/22/97	Analyst:	JJB
Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.41	0.41	1.3		ug/L		12/22/97	SW846 8260
Bromobenzene	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
Bromoform	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
Bromodichloromethane	< 0.18	0.18	0.57		ug/L		12/22/97	SW846 8260
Bromoform	< 0.31	0.31	0.99		ug/L		12/22/97	SW846 8260
Bromomethane	< 0.30	0.30	0.96		ug/L		12/22/97	SW846 8260
s-Butylbenzene	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
t-Butylbenzene	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
n-Butylbenzene	< 0.31	0.31	0.99		ug/L		12/22/97	SW846 8260
Carbon tetrachloride	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
Chloroform	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
Chlorobenzene	< 0.27	0.27	0.86		ug/L		12/22/97	SW846 8260
Chlorodibromomethane	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
Chloroethane	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
Chloromethane	< 0.15	0.15	0.48		ug/L		12/22/97	SW846 8260
2-Chlorotoluene	< 0.27	0.27	0.86		ug/L		12/22/97	SW846 8260
4-Chlorotoluene	< 0.30	0.30	0.96		ug/L		12/22/97	SW846 8260
1,2-Dibromo-3-chloropropane	< 0.58	0.58	1.8		ug/L		12/22/97	SW846 8260
1,2-Dibromoethane	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
Dibromomethane	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
1,3-Dichlorobenzene	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
1,4-Dichlorobenzene	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
1,2-Dichloroethane	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
1,2-Dichlorobenzene	< 0.32	0.32	1.0		ug/L		12/22/97	SW846 8260
1,1-Dichloroethene	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
cis-1,2-Dichloroethene	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
Dichlorodifluoromethane	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
trans-1,2-Dichloroethene	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260



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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-20 BR(1)

Report Date : 12/23/97

Lab Sample Number : 875359-002

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

1,2-Dichloropropane	< 0.24	0.24	0.76	ug/L	12/22/97	SW846 8260
1,1-Dichloroethane	< 0.26	0.26	0.83	ug/L	12/22/97	SW846 8260
1,3-Dichloropropane	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
2,2-Dichloropropane	< 0.45	0.45	1.4	ug/L	12/22/97	SW846 8260
1,1-Dichloropropene	< 0.26	0.26	0.83	ug/L	12/22/97	SW846 8260
cis-1,3-Dichloropropene	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260
trans-1,3-Dichloropropene	< 0.45	0.45	1.4	ug/L	12/22/97	SW846 8260
Diisopropyl ether	< 0.43	0.43	1.4	ug/L	12/22/97	SW846 8260
Ethylbenzene	< 0.23	0.23	0.73	ug/L	12/22/97	SW846 8260
Fluorotrichloromethane	< 0.29	0.29	0.92	ug/L	12/22/97	SW846 8260
Hexachlorobutadiene	< 0.31	0.31	0.99	ug/L	12/22/97	SW846 8260
Isopropylbenzene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
p-Isopropyltoluene	< 0.22	0.22	0.70	ug/L	12/22/97	SW846 8260
Methylene chloride	< 0.22	0.22	0.70	ug/L	12/22/97	SW846 8260
Methyl-tert-butyl-ether	< 0.53	0.53	1.7	ug/L	12/22/97	SW846 8260
Naphthalene	< 0.66	0.66	2.1	ug/L	12/22/97	SW846 8260
n-Propylbenzene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
Styrene	< 0.19	0.19	0.61	ug/L	12/22/97	SW846 8260
1,1,2,2-Tetrachloroethane	< 0.46	0.46	1.5	ug/L	12/22/97	SW846 8260
1,1,1,2-Tetrachloroethane	< 0.21	0.21	0.67	ug/L	12/22/97	SW846 8260
Tetrachloroethene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
Toluene	< 0.28	0.28	0.89	ug/L	12/22/97	SW846 8260
1,2,3-Trichlorobenzene	< 0.32	0.32	1.0	ug/L	12/22/97	SW846 8260
1,2,4-Trichlorobenzene	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260
1,1,1-Trichloroethane	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
1,1,2-Trichloroethane	< 0.30	0.30	0.96	ug/L	12/22/97	SW846 8260
1,2,4-Trimethylbenzene	< 0.30	0.30	0.96	ug/L	12/22/97	SW846 8260
Trichloroethene	< 0.20	0.20	0.64	ug/L	12/22/97	SW846 8260
1,2,3-Trichloropropane	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260
1,3,5-Trimethylbenzene	< 0.25	0.25	0.80	ug/L	12/22/97	SW846 8260
Vinyl chloride	< 0.23	0.23	0.73	ug/L	12/22/97	SW846 8260
Xylenes, -m, -p	< 0.51	0.51	1.6	ug/L	12/22/97	SW846 8260
Xylene, -o	< 0.28	0.28	0.89	ug/L	12/22/97	SW846 8260
4-Bromofluorobenzene	104			%Recov	12/22/97	SW846 8260
Dibromofluoromethane	108			%Recov	12/22/97	SW846 8260



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### - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-20 BR(1)

Report Date : 12/23/97

Lab Sample Number : 875359-002

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

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Toluene-d8	106	%Recov	12/22/97	SW846 8260
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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-3 BR(2)

Report Date : 12/23/97

Lab Sample Number : 875359-003

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

### Organic Results

EPA 8260 VOLATILE LIST- WATER		Prep Method: SW846 5030			Prep Date:	12/22/97	Analyst:	JJB
Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.41	0.41	1.3		ug/L		12/22/97	SW846 8260
Bromobenzene	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
Bromochloromethane	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
Bromodichloromethane	< 0.18	0.18	0.57		ug/L		12/22/97	SW846 8260
Bromoform	< 0.31	0.31	0.99		ug/L		12/22/97	SW846 8260
Bromomethane	< 0.30	0.30	0.96		ug/L		12/22/97	SW846 8260
s-Butylbenzene	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
t-Butylbenzene	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
n-Butylbenzene	< 0.31	0.31	0.99		ug/L		12/22/97	SW846 8260
Carbon tetrachloride	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
Chloroform	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
Chlorobenzene	< 0.27	0.27	0.86		ug/L		12/22/97	SW846 8260
Chlorodibromomethane	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
Chloroethane	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
Chloromethane	< 0.15	0.15	0.48		ug/L		12/22/97	SW846 8260
2-Chlorotoluene	< 0.27	0.27	0.86		ug/L		12/22/97	SW846 8260
4-Chlorotoluene	< 0.30	0.30	0.96		ug/L		12/22/97	SW846 8260
1,2-Dibromo-3-chloropropane	< 0.58	0.58	1.8		ug/L		12/22/97	SW846 8260
1,2-Dibromoethane	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
Dibromomethane	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
1,3-Dichlorobenzene	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
1,4-Dichlorobenzene	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
1,2-Dichloroethane	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
1,2-Dichlorobenzene	< 0.32	0.32	1.0		ug/L		12/22/97	SW846 8260
1,1-Dichloroethene	26	0.28	0.89		ug/L		12/22/97	SW846 8260
cis-1,2-Dichloroethene	41	0.28	0.89		ug/L		12/22/97	SW846 8260
Dichlorodifluoromethane	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
trans-1,2-Dichloroethene	0.59	0.25	0.80		ug/L	Q	12/22/97	SW846 8260



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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-3 BR(2)

Report Date : 12/23/97

Lab Sample Number : 875359-003

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

1,2-Dichloropropane	< 0.24	0.24	0.76	ug/L	12/22/97	SW846 8260	
1,1-Dichloroethane	120	0.26	0.83	ug/L	12/22/97	SW846 8260	
1,3-Dichloropropane	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260	
2,2-Dichloropropane	< 0.45	0.45	1.4	ug/L	12/22/97	SW846 8260	
1,1-Dichloropropene	< 0.26	0.26	0.83	ug/L	12/22/97	SW846 8260	
cis-1,3-Dichloropropene	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260	
trans-1,3-Dichloropropene	< 0.45	0.45	1.4	ug/L	12/22/97	SW846 8260	
Diisopropyl ether	< 0.43	0.43	1.4	ug/L	12/22/97	SW846 8260	
Ethylbenzene	< 0.23	0.23	0.73	ug/L	12/22/97	SW846 8260	
Fluorotrichloromethane	< 0.29	0.29	0.92	ug/L	12/22/97	SW846 8260	
Hexachlorobutadiene	< 0.31	0.31	0.99	ug/L	12/22/97	SW846 8260	
Isopropylbenzene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260	
p-Isopropyltoluene	< 0.22	0.22	0.70	ug/L	12/22/97	SW846 8260	
Methylene chloride	< 0.22	0.22	0.70	ug/L	12/22/97	SW846 8260	
Methyl-tert-butyl-ether	< 0.53	0.53	1.7	ug/L	12/22/97	SW846 8260	
Naphthalene	< 0.66	0.66	2.1	ug/L	12/22/97	SW846 8260	
n-Propylbenzene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260	
Styrene	< 0.19	0.19	0.61	ug/L	12/22/97	SW846 8260	
1,1,2,2-Tetrachloroethane	< 0.46	0.46	1.5	ug/L	12/22/97	SW846 8260	
1,1,1,2-Tetrachloroethane	< 0.21	0.21	0.67	ug/L	12/22/97	SW846 8260	
Tetrachloroethene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260	
Toluene	0.80	0.28	0.89	ug/L	Q	12/22/97	SW846 8260
1,2,3-Trichlorobenzene	< 0.32	0.32	1.0	ug/L	12/22/97	SW846 8260	
1,2,4-Trichlorobenzene	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260	
1,1,1-Trichloroethane	73	0.27	0.86	ug/L	12/22/97	SW846 8260	
1,1,2-Trichloroethane	< 0.30	0.30	0.96	ug/L	12/22/97	SW846 8260	
1,2,4-Trimethylbenzene	< 0.30	0.30	0.96	ug/L	12/22/97	SW846 8260	
Trichloroethene	160	0.20	0.64	ug/L	12/22/97	SW846 8260	
1,2,3-Trichloropropane	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260	
1,3,5-Trimethylbenzene	< 0.25	0.25	0.80	ug/L	12/22/97	SW846 8260	
Vinyl chloride	1.5	0.23	0.73	ug/L	12/22/97	SW846 8260	
Xylenes, -m, -p	< 0.51	0.51	1.6	ug/L	12/22/97	SW846 8260	
Xylene, -o	< 0.28	0.28	0.89	ug/L	12/22/97	SW846 8260	
4-Bromofluorobenzene	107			%Recov	12/22/97	SW846 8260	
Dibromofluoromethane	110			%Recov	12/22/97	SW846 8260	



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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORAINE ENVIRONMENTAL INC

Field ID : MW-3 BR(2)

Report Date : 12/23/97

Lab Sample Number : 875359-003

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

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Toluene-d8	106	%Recov	12/22/97	SW846 8260
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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-20 BR(2)

Report Date : 12/23/97

Lab Sample Number : 875359-004

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

### Organic Results

EPA 8260 VOLATILE LIST- WATER		Prep Method: SW846 5030			Prep Date:	12/22/97	Analyst:	HW
Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.41	0.41	1.3		ug/L		12/22/97	SW846 8260
Bromobenzene	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
Bromoform	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
Bromodichloromethane	< 0.18	0.18	0.57		ug/L		12/22/97	SW846 8260
Bromomethane	< 0.31	0.31	0.99		ug/L		12/22/97	SW846 8260
s-Butylbenzene	< 0.30	0.30	0.96		ug/L		12/22/97	SW846 8260
t-Butylbenzene	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
n-Butylbenzene	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
Carbon tetrachloride	< 0.31	0.31	0.99		ug/L		12/22/97	SW846 8260
Chloroform	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
Chlorobenzene	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
Chlorodibromomethane	< 0.27	0.27	0.86		ug/L		12/22/97	SW846 8260
Chloroethane	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
Chloromethane	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
2-Chlorotoluene	< 0.15	0.15	0.48		ug/L		12/22/97	SW846 8260
4-Chlorotoluene	< 0.27	0.27	0.86		ug/L		12/22/97	SW846 8260
1,2-Dibromo-3-chloropropane	< 0.30	0.30	0.96		ug/L		12/22/97	SW846 8260
1,2-Dibromoethane	< 0.58	0.58	1.8		ug/L		12/22/97	SW846 8260
Dibromomethane	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
1,3-Dichlorobenzene	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
1,4-Dichlorobenzene	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
1,2-Dichloroethane	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
1,2-Dichlorobenzene	< 0.32	0.32	1.0		ug/L		12/22/97	SW846 8260
1,1-Dichloroethene	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
cis-1,2-Dichloroethene	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
Dichlorodifluoromethane	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
trans-1,2-Dichloroethene	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260



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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-20 BR(2)

Report Date : 12/23/97

Lab Sample Number : 875359-004

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

1,2-Dichloropropane	< 0.24	0.24	0.76	ug/L	12/22/97	SW846 8260
1,1-Dichloroethane	< 0.26	0.26	0.83	ug/L	12/22/97	SW846 8260
1,3-Dichloropropane	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
2,2-Dichloropropane	< 0.45	0.45	1.4	ug/L	12/22/97	SW846 8260
1,1-Dichloropropene	< 0.26	0.26	0.83	ug/L	12/22/97	SW846 8260
cis-1,3-Dichloropropene	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260
trans-1,3-Dichloropropene	< 0.45	0.45	1.4	ug/L	12/22/97	SW846 8260
Diisopropyl ether	< 0.43	0.43	1.4	ug/L	12/22/97	SW846 8260
Ethylbenzene	< 0.23	0.23	0.73	ug/L	12/22/97	SW846 8260
Fluorotrichloromethane	< 0.29	0.29	0.92	ug/L	12/22/97	SW846 8260
Hexachlorobutadiene	< 0.31	0.31	0.99	ug/L	12/22/97	SW846 8260
Isopropylbenzene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
p-Isopropyltoluene	< 0.22	0.22	0.70	ug/L	12/22/97	SW846 8260
Methylene chloride	< 0.22	0.22	0.70	ug/L	12/22/97	SW846 8260
Methyl-tert-butyl-ether	< 0.53	0.53	1.7	ug/L	12/22/97	SW846 8260
Naphthalene	< 0.66	0.66	2.1	ug/L	12/22/97	SW846 8260
n-Propylbenzene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
Styrene	< 0.19	0.19	0.61	ug/L	12/22/97	SW846 8260
1,1,2,2-Tetrachloroethane	< 0.46	0.46	1.5	ug/L	12/22/97	SW846 8260
1,1,1,2-Tetrachloroethane	< 0.21	0.21	0.67	ug/L	12/22/97	SW846 8260
Tetrachloroethene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
Toluene	0.96	0.28	0.89	ug/L	12/22/97	SW846 8260
1,2,3-Trichlorobenzene	< 0.32	0.32	1.0	ug/L	12/22/97	SW846 8260
1,2,4-Trichlorobenzene	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260
1,1,1-Trichloroethane	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
1,1,2-Trichloroethane	< 0.30	0.30	0.96	ug/L	12/22/97	SW846 8260
1,2,4-Trimethylbenzene	< 0.30	0.30	0.96	ug/L	12/22/97	SW846 8260
Trichloroethene	< 0.20	0.20	0.64	ug/L	12/22/97	SW846 8260
1,2,3-Trichloropropane	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260
1,3,5-Trimethylbenzene	< 0.25	0.25	0.80	ug/L	12/22/97	SW846 8260
Vinyl chloride	< 0.23	0.23	0.73	ug/L	12/22/97	SW846 8260
Xylenes, -m, -p	< 0.51	0.51	1.6	ug/L	12/22/97	SW846 8260
Xylene, -o	< 0.28	0.28	0.89	ug/L	12/22/97	SW846 8260
4-Bromofluorobenzene	81			%Recov	12/22/97	SW846 8260
Dibromofluoromethane	80			%Recov	12/22/97	SW846 8260



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### - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORAINE ENVIRONMENTAL INC

Field ID : MW-20 BR(2)

Report Date : 12/23/97

Lab Sample Number : 875359-004

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

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Toluene-d8	81	%Recov	12/22/97	SW846 8260
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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : DUPLICATE

Report Date : 12/26/97

Lab Sample Number : 875359-005

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

## Organic Results

### EPA 8260 VOLATILE LIST- WATER

Prep Method: SW846 5030

Prep Date: 12/23/97

Analyst: JJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 10	10	32		ug/L		12/23/97	SW846 8260
Bromobenzene	< 7.2	7.2	23		ug/L		12/23/97	SW846 8260
Bromoform	< 7.8	7.8	25		ug/L		12/23/97	SW846 8260
Bromochloromethane	< 7.2	7.2	23		ug/L		12/23/97	SW846 8260
Bromodichloromethane	< 4.5	4.5	14		ug/L		12/23/97	SW846 8260
Bromomethane	< 7.5	7.5	24		ug/L		12/23/97	SW846 8260
s-Butylbenzene	< 5.8	5.8	18		ug/L		12/23/97	SW846 8260
t-Butylbenzene	< 6.0	6.0	19		ug/L		12/23/97	SW846 8260
n-Butylbenzene	< 7.8	7.8	25		ug/L		12/23/97	SW846 8260
Carbon tetrachloride	< 5.8	5.8	18		ug/L		12/23/97	SW846 8260
Chloroform	< 6.2	6.2	20		ug/L		12/23/97	SW846 8260
Chlorobenzene	< 6.8	6.8	22		ug/L		12/23/97	SW846 8260
Chlorodibromomethane	< 5.8	5.8	18		ug/L		12/23/97	SW846 8260
Chloroethane	< 6.2	6.2	20		ug/L		12/23/97	SW846 8260
Chloromethane	< 3.8	3.8	12		ug/L		12/23/97	SW846 8260
2-Chlorotoluene	< 6.8	6.8	22		ug/L		12/23/97	SW846 8260
4-Chlorotoluene	< 7.5	7.5	24		ug/L		12/23/97	SW846 8260
1,2-Dibromo-3-chloropropane	< 14	14	45		ug/L		12/23/97	SW846 8260
1,2-Dibromoethane	< 6.0	6.0	19		ug/L		12/23/97	SW846 8260
Dibromomethane	< 7.0	7.0	22		ug/L		12/23/97	SW846 8260
1,3-Dichlorobenzene	< 7.0	7.0	22		ug/L		12/23/97	SW846 8260
1,4-Dichlorobenzene	< 7.2	7.2	23		ug/L		12/23/97	SW846 8260
1,2-Dichloroethane	< 6.0	6.0	19		ug/L		12/23/97	SW846 8260
1,2-Dichlorobenzene	< 8.0	8.0	25		ug/L		12/23/97	SW846 8260
1,1-Dichloroethene	40	7.0	22		ug/L		12/23/97	SW846 8260
cis-1,2-Dichloroethene	1200	7.0	22		ug/L		12/23/97	SW846 8260
Dichlorodifluoromethane	< 6.2	6.2	20		ug/L		12/23/97	SW846 8260
trans-1,2-Dichloroethene	10	6.2	20		ug/L	Q	12/23/97	SW846 8260



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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : DUPLICATE

Report Date : 12/26/97

Lab Sample Number : 875359-005

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

1,2-Dichloropropane	< 6.0	6.0	19	ug/L	12/23/97	SW846 8260	
1,1-Dichloroethane	64	6.5	21	ug/L	12/23/97	SW846 8260	
1,3-Dichloropropane	< 6.8	6.8	22	ug/L	12/23/97	SW846 8260	
2,2-Dichloropropane	< 11	11	35	ug/L	12/23/97	SW846 8260	
1,1-Dichloropropene	< 6.5	6.5	21	ug/L	12/23/97	SW846 8260	
cis-1,3-Dichloropropene	< 12	12	38	ug/L	12/23/97	SW846 8260	
trans-1,3-Dichloropropene	< 11	11	35	ug/L	12/23/97	SW846 8260	
Diisopropyl ether	< 11	11	35	ug/L	12/23/97	SW846 8260	
Ethylbenzene	< 5.8	5.8	18	ug/L	12/23/97	SW846 8260	
Fluorotrichloromethane	< 7.2	7.2	23	ug/L	12/23/97	SW846 8260	
Hexachlorobutadiene	< 7.8	7.8	25	ug/L	12/23/97	SW846 8260	
Isopropylbenzene	< 6.8	6.8	22	ug/L	12/23/97	SW846 8260	
p-Isopropyltoluene	< 5.5	5.5	18	ug/L	12/23/97	SW846 8260	
Methylene chloride	12	5.5	18	ug/L	Q	12/23/97	SW846 8260
Methyl-tert-butyl-ether	< 13	13	41	ug/L	12/23/97	SW846 8260	
Naphthalene	< 16	16	51	ug/L	12/23/97	SW846 8260	
n-Propylbenzene	< 6.8	6.8	22	ug/L	12/23/97	SW846 8260	
Styrene	< 4.8	4.8	15	ug/L	12/23/97	SW846 8260	
1,1,2,2-Tetrachloroethane	< 12	12	38	ug/L	12/23/97	SW846 8260	
1,1,1,2-Tetrachloroethane	< 5.2	5.2	17	ug/L	12/23/97	SW846 8260	
Tetrachloroethene	< 6.8	6.8	22	ug/L	12/23/97	SW846 8260	
Toluene	< 7.0	7.0	22	ug/L	12/23/97	SW846 8260	
1,2,3-Trichlorobenzene	< 8.0	8.0	25	ug/L	12/23/97	SW846 8260	
1,2,4-Trichlorobenzene	< 12	12	38	ug/L	12/23/97	SW846 8260	
1,1,1-Trichloroethane	530	6.8	22	ug/L	12/23/97	SW846 8260	
1,1,2-Trichloroethane	< 7.5	7.5	24	ug/L	12/23/97	SW846 8260	
1,2,4-Trimethylbenzene	< 7.5	7.5	24	ug/L	12/23/97	SW846 8260	
Trichloroethene	2000	5.0	16	ug/L	12/23/97	SW846 8260	
1,2,3-Trichloropropane	< 12	12	38	ug/L	12/23/97	SW846 8260	
1,3,5-Trimethylbenzene	< 6.2	6.2	20	ug/L	12/23/97	SW846 8260	
Vinyl chloride	< 5.8	5.8	18	ug/L	12/23/97	SW846 8260	
Xylenes, -m, -p	< 13	13	41	ug/L	12/23/97	SW846 8260	
Xylene, -o	< 7.0	7.0	22	ug/L	12/23/97	SW846 8260	
4-Bromofluorobenzene	106			%Recov	12/23/97	SW846 8260	
Dibromofluoromethane	108			%Recov	12/23/97	SW846 8260	



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### - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : DUPLICATE

Report Date : 12/26/97

Lab Sample Number : 875359-005

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

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Toluene-d8	107	%Recov	12/23/97	SW846 8260
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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-9

Report Date : 12/26/97

Lab Sample Number : 875359-006

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

### Organic Results

#### EPA 8260 VOLATILE LIST- WATER

Prep Method: SW846 5030

Prep Date: 12/23/97

Analyst: JJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 10	10	32		ug/L		12/23/97	SW846 8260
Bromobenzene	< 7.2	7.2	23		ug/L		12/23/97	SW846 8260
Bromoform	< 7.8	7.8	25		ug/L		12/23/97	SW846 8260
Bromomethane	< 7.5	7.5	24		ug/L		12/23/97	SW846 8260
s-Butylbenzene	< 5.8	5.8	18		ug/L		12/23/97	SW846 8260
t-Butylbenzene	< 6.0	6.0	19		ug/L		12/23/97	SW846 8260
n-Butylbenzene	< 7.8	7.8	25		ug/L		12/23/97	SW846 8260
Carbon tetrachloride	< 5.8	5.8	18		ug/L		12/23/97	SW846 8260
Chloroform	< 6.2	6.2	20		ug/L		12/23/97	SW846 8260
Chlorobenzene	< 6.8	6.8	22		ug/L		12/23/97	SW846 8260
Chlorodibromomethane	< 5.8	5.8	18		ug/L		12/23/97	SW846 8260
Chloroethane	< 6.2	6.2	20		ug/L		12/23/97	SW846 8260
Chloromethane	< 3.8	3.8	12		ug/L		12/23/97	SW846 8260
2-Chlorotoluene	< 6.8	6.8	22		ug/L		12/23/97	SW846 8260
4-Chlorotoluene	< 7.5	7.5	24		ug/L		12/23/97	SW846 8260
1,2-Dibromo-3-chloropropane	< 14	14	45		ug/L		12/23/97	SW846 8260
1,2-Dibromoethane	< 6.0	6.0	19		ug/L		12/23/97	SW846 8260
Dibromomethane	< 7.0	7.0	22		ug/L		12/23/97	SW846 8260
1,3-Dichlorobenzene	< 7.0	7.0	22		ug/L		12/23/97	SW846 8260
1,4-Dichlorobenzene	< 7.2	7.2	23		ug/L		12/23/97	SW846 8260
1,2-Dichloroethane	< 6.0	6.0	19		ug/L		12/23/97	SW846 8260
1,2-Dichlorobenzene	< 8.0	8.0	25		ug/L		12/23/97	SW846 8260
1,1-Dichloroethene	39	7.0	22		ug/L		12/23/97	SW846 8260
cis-1,2-Dichloroethene	1100	7.0	22		ug/L		12/23/97	SW846 8260
Dichlorodifluoromethane	< 6.2	6.2	20		ug/L		12/23/97	SW846 8260
trans-1,2-Dichloroethene	9.0	6.2	20		ug/L	Q	12/23/97	SW846 8260



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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-9

Report Date : 12/26/97

Lab Sample Number : 875359-006

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

1,2-Dichloropropane	< 6.0	6.0	19	ug/L	12/23/97	SW846 8260
1,1-Dichloroethane	66	6.5	21	ug/L	12/23/97	SW846 8260
1,3-Dichloropropane	< 6.8	6.8	22	ug/L	12/23/97	SW846 8260
2,2-Dichloropropane	< 11	11	35	ug/L	12/23/97	SW846 8260
1,1-Dichloropropene	< 6.5	6.5	21	ug/L	12/23/97	SW846 8260
cis-1,3-Dichloropropene	< 12	12	38	ug/L	12/23/97	SW846 8260
trans-1,3-Dichloropropene	< 11	11	35	ug/L	12/23/97	SW846 8260
Diisopropyl ether	< 11	11	35	ug/L	12/23/97	SW846 8260
Ethylbenzene	< 5.8	5.8	18	ug/L	12/23/97	SW846 8260
Fluorotrichloromethane	< 7.2	7.2	23	ug/L	12/23/97	SW846 8260
Hexachlorobutadiene	< 7.8	7.8	25	ug/L	12/23/97	SW846 8260
Isopropylbenzene	< 6.8	6.8	22	ug/L	12/23/97	SW846 8260
p-Isopropyltoluene	< 5.5	5.5	18	ug/L	12/23/97	SW846 8260
Methylene chloride	< 5.5	5.5	18	ug/L	12/23/97	SW846 8260
Methyl-tert-butyl-ether	< 13	13	41	ug/L	12/23/97	SW846 8260
Naphthalene	< 16	16	51	ug/L	12/23/97	SW846 8260
n-Propylbenzene	< 6.8	6.8	22	ug/L	12/23/97	SW846 8260
Styrene	< 4.8	4.8	15	ug/L	12/23/97	SW846 8260
1,1,2,2-Tetrachloroethane	< 12	12	38	ug/L	12/23/97	SW846 8260
1,1,1,2-Tetrachloroethane	< 5.2	5.2	17	ug/L	12/23/97	SW846 8260
Tetrachloroethene	< 6.8	6.8	22	ug/L	12/23/97	SW846 8260
Toluene	< 7.0	7.0	22	ug/L	12/23/97	SW846 8260
1,2,3-Trichlorobenzene	< 8.0	8.0	25	ug/L	12/23/97	SW846 8260
1,2,4-Trichlorobenzene	< 12	12	38	ug/L	12/23/97	SW846 8260
1,1,1-Trichloroethane	500	6.8	22	ug/L	12/23/97	SW846 8260
1,1,2-Trichloroethane	< 7.5	7.5	24	ug/L	12/23/97	SW846 8260
1,2,4-Trimethylbenzene	< 7.5	7.5	24	ug/L	12/23/97	SW846 8260
Trichloroethene	1900	5.0	16	ug/L	12/23/97	SW846 8260
1,2,3-Trichloropropane	< 12	12	38	ug/L	12/23/97	SW846 8260
1,3,5-Trimethylbenzene	< 6.2	6.2	20	ug/L	12/23/97	SW846 8260
Vinyl chloride	< 5.8	5.8	18	ug/L	12/23/97	SW846 8260
Xylenes, -m, -p	< 13	13	41	ug/L	12/23/97	SW846 8260
Xylene, -o	< 7.0	7.0	22	ug/L	12/23/97	SW846 8260
4-Bromofluorobenzene	107			%Recov	12/23/97	SW846 8260
Dibromofluoromethane	108			%Recov	12/23/97	SW846 8260



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### - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-9

Report Date : 12/26/97

Lab Sample Number : 875359-006

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

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Toluene-d8	106	%Recov	12/23/97	SW846 8260
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FAX: 920-469-8827

## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-21 BR(1)

Report Date : 12/23/97

Lab Sample Number : 875359-007

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

### Organic Results

EPA 8260 VOLATILE LIST- WATER		Prep Method: SW846 5030			Prep Date:	12/22/97	Analyst:	JJB
Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.41	0.41	1.3		ug/L		12/22/97	SW846 8260
Bromobenzene	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
Bromoform	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
Bromochloromethane	< 0.18	0.18	0.57		ug/L		12/22/97	SW846 8260
Bromodichloromethane	< 0.18	0.18	0.57		ug/L		12/22/97	SW846 8260
Bromoform	< 0.31	0.31	0.99		ug/L		12/22/97	SW846 8260
Bromomethane	< 0.30	0.30	0.96		ug/L		12/22/97	SW846 8260
s-Butylbenzene	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
t-Butylbenzene	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
n-Butylbenzene	< 0.31	0.31	0.99		ug/L		12/22/97	SW846 8260
Carbon tetrachloride	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
Chloroform	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
Chlorobenzene	< 0.27	0.27	0.86		ug/L		12/22/97	SW846 8260
Chlorodibromomethane	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
Chloroethane	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
Chloromethane	< 0.15	0.15	0.48		ug/L		12/22/97	SW846 8260
2-Chlorotoluene	< 0.27	0.27	0.86		ug/L		12/22/97	SW846 8260
4-Chlorotoluene	< 0.30	0.30	0.96		ug/L		12/22/97	SW846 8260
1,2-Dibromo-3-chloropropane	< 0.58	0.58	1.8		ug/L		12/22/97	SW846 8260
1,2-Dibromoethane	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
Dibromomethane	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
1,3-Dichlorobenzene	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
1,4-Dichlorobenzene	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
1,2-Dichloroethane	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
1,2-Dichlorobenzene	< 0.32	0.32	1.0		ug/L		12/22/97	SW846 8260
1,1-Dichloroethene	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
cis-1,2-Dichloroethene	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
Dichlorodifluoromethane	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
trans-1,2-Dichloroethene	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260



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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-21 BR(1)

Report Date : 12/23/97

Lab Sample Number : 875359-007

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

1,2-Dichloropropane	< 0.24	0.24	0.76	ug/L	12/22/97	SW846 8260
1,1-Dichloroethane	< 0.26	0.26	0.83	ug/L	12/22/97	SW846 8260
1,3-Dichloropropane	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
2,2-Dichloropropane	< 0.45	0.45	1.4	ug/L	12/22/97	SW846 8260
1,1-Dichloropropene	< 0.26	0.26	0.83	ug/L	12/22/97	SW846 8260
cis-1,3-Dichloropropene	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260
trans-1,3-Dichloropropene	< 0.45	0.45	1.4	ug/L	12/22/97	SW846 8260
Diisopropyl ether	< 0.43	0.43	1.4	ug/L	12/22/97	SW846 8260
Ethylbenzene	< 0.23	0.23	0.73	ug/L	12/22/97	SW846 8260
Fluorotrichloromethane	< 0.29	0.29	0.92	ug/L	12/22/97	SW846 8260
Hexachlorobutadiene	< 0.31	0.31	0.99	ug/L	12/22/97	SW846 8260
Isopropylbenzene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
p-Isopropyltoluene	< 0.22	0.22	0.70	ug/L	12/22/97	SW846 8260
Methylene chloride	< 0.22	0.22	0.70	ug/L	12/22/97	SW846 8260
Methyl-tert-butyl-ether	< 0.53	0.53	1.7	ug/L	12/22/97	SW846 8260
Naphthalene	< 0.66	0.66	2.1	ug/L	12/22/97	SW846 8260
n-Propylbenzene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
Styrene	< 0.19	0.19	0.61	ug/L	12/22/97	SW846 8260
1,1,2,2-Tetrachloroethane	< 0.46	0.46	1.5	ug/L	12/22/97	SW846 8260
1,1,1,2-Tetrachloroethane	< 0.21	0.21	0.67	ug/L	12/22/97	SW846 8260
Tetrachloroethene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
Toluene	< 0.28	0.28	0.89	ug/L	12/22/97	SW846 8260
1,2,3-Trichlorobenzene	< 0.32	0.32	1.0	ug/L	12/22/97	SW846 8260
1,2,4-Trichlorobenzene	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260
1,1,1-Trichloroethane	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
1,1,2-Trichloroethane	< 0.30	0.30	0.96	ug/L	12/22/97	SW846 8260
1,2,4-Trimethylbenzene	< 0.30	0.30	0.96	ug/L	12/22/97	SW846 8260
Trichloroethene	< 0.20	0.20	0.64	ug/L	12/22/97	SW846 8260
1,2,3-Trichloropropane	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260
1,3,5-Trimethylbenzene	< 0.25	0.25	0.80	ug/L	12/22/97	SW846 8260
Vinyl chloride	< 0.23	0.23	0.73	ug/L	12/22/97	SW846 8260
Xylenes, -m, -p	< 0.51	0.51	1.6	ug/L	12/22/97	SW846 8260
Xylene, -o	< 0.28	0.28	0.89	ug/L	12/22/97	SW846 8260
4-Bromofluorobenzene	104			%Recov	12/22/97	SW846 8260
Dibromofluoromethane	109			%Recov	12/22/97	SW846 8260



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### - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-21 BR(1)

Report Date : 12/23/97

Lab Sample Number : 875359-007

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

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Toluene-d8

108

%Recov

12/22/97

SW846 8260



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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-21 BR(2)

Report Date : 12/23/97

Lab Sample Number : 875359-008

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

### Organic Results

EPA 8260 VOLATILE LIST- WATER		Prep Method: SW846 5030			Prep Date:	12/22/97	Analyst:	HW
Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.41	0.41	1.3		ug/L		12/22/97	SW846 8260
Bromobenzene	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
Bromochloromethane	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
Bromodichloromethane	< 0.18	0.18	0.57		ug/L		12/22/97	SW846 8260
Bromoform	< 0.31	0.31	0.99		ug/L		12/22/97	SW846 8260
Bromomethane	< 0.30	0.30	0.96		ug/L		12/22/97	SW846 8260
s-Butylbenzene	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
t-Butylbenzene	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
n-Butylbenzene	< 0.31	0.31	0.99		ug/L		12/22/97	SW846 8260
Carbon tetrachloride	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
Chloroform	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
Chlorobenzene	< 0.27	0.27	0.86		ug/L		12/22/97	SW846 8260
Chlorodibromomethane	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
Chloroethane	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
Chloromethane	< 0.15	0.15	0.48		ug/L		12/22/97	SW846 8260
2-Chlorotoluene	< 0.27	0.27	0.86		ug/L		12/22/97	SW846 8260
4-Chlorotoluene	< 0.30	0.30	0.96		ug/L		12/22/97	SW846 8260
1,2-Dibromo-3-chloropropane	< 0.58	0.58	1.8		ug/L		12/22/97	SW846 8260
1,2-Dibromoethane	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
Dibromomethane	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
1,3-Dichlorobenzene	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
1,4-Dichlorobenzene	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
1,2-Dichloroethane	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
1,2-Dichlorobenzene	< 0.32	0.32	1.0		ug/L		12/22/97	SW846 8260
1,1-Dichloroethene	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
cis-1,2-Dichloroethene	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
Dichlorodifluoromethane	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
trans-1,2-Dichloroethene	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260



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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORAINE ENVIRONMENTAL INC

Field ID : MW-21 BR(2)

Report Date : 12/23/97

Lab Sample Number : 875359-008

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

1,2-Dichloropropane	< 0.24	0.24	0.76	ug/L	12/22/97	SW846 8260
1,1-Dichloroethane	< 0.26	0.26	0.83	ug/L	12/22/97	SW846 8260
1,3-Dichloropropane	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
2,2-Dichloropropane	< 0.45	0.45	1.4	ug/L	12/22/97	SW846 8260
1,1-Dichloropropene	< 0.26	0.26	0.83	ug/L	12/22/97	SW846 8260
cis-1,3-Dichloropropene	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260
trans-1,3-Dichloropropene	< 0.45	0.45	1.4	ug/L	12/22/97	SW846 8260
Diisopropyl ether	< 0.43	0.43	1.4	ug/L	12/22/97	SW846 8260
Ethylbenzene	< 0.23	0.23	0.73	ug/L	12/22/97	SW846 8260
Fluorotrichloromethane	< 0.29	0.29	0.92	ug/L	12/22/97	SW846 8260
Hexachlorobutadiene	< 0.31	0.31	0.99	ug/L	12/22/97	SW846 8260
Isopropylbenzene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
p-Isopropyltoluene	< 0.22	0.22	0.70	ug/L	12/22/97	SW846 8260
Methylene chloride	< 0.22	0.22	0.70	ug/L	12/22/97	SW846 8260
Methyl-tert-butyl-ether	< 0.53	0.53	1.7	ug/L	12/22/97	SW846 8260
Naphthalene	< 0.66	0.66	2.1	ug/L	12/22/97	SW846 8260
n-Propylbenzene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
Styrene	< 0.19	0.19	0.61	ug/L	12/22/97	SW846 8260
1,1,2,2-Tetrachloroethane	< 0.46	0.46	1.5	ug/L	12/22/97	SW846 8260
1,1,1,2-Tetrachloroethane	< 0.21	0.21	0.67	ug/L	12/22/97	SW846 8260
Tetrachloroethene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
Toluene	< 0.28	0.28	0.89	ug/L	12/22/97	SW846 8260
1,2,3-Trichlorobenzene	< 0.32	0.32	1.0	ug/L	12/22/97	SW846 8260
1,2,4-Trichlorobenzene	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260
1,1,1-Trichloroethane	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
1,1,2-Trichloroethane	< 0.30	0.30	0.96	ug/L	12/22/97	SW846 8260
1,2,4-Trimethylbenzene	< 0.30	0.30	0.96	ug/L	12/22/97	SW846 8260
Trichloroethene	< 0.20	0.20	0.64	ug/L	12/22/97	SW846 8260
1,2,3-Trichloropropane	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260
1,3,5-Trimethylbenzene	< 0.25	0.25	0.80	ug/L	12/22/97	SW846 8260
Vinyl chloride	< 0.23	0.23	0.73	ug/L	12/22/97	SW846 8260
Xylenes, -m, -p	< 0.51	0.51	1.6	ug/L	12/22/97	SW846 8260
Xylene, -o	< 0.28	0.28	0.89	ug/L	12/22/97	SW846 8260
4-Bromofluorobenzene	83			%Recov	12/22/97	SW846 8260
Dibromofluoromethane	81			%Recov	12/22/97	SW846 8260



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### - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORAINE ENVIRONMENTAL INC

Field ID : MW-21 BR(2)

Report Date : 12/23/97

Lab Sample Number : 875359-008

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

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Toluene-d8	80	%Recov	12/22/97	SW846 8260
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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-12

Report Date : 12/24/97

Lab Sample Number : 875359-009

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

### Organic Results

#### EPA 8260 VOLATILE LIST- WATER

Analyte	Result	LOD	LOQ	EQL	Units	Code	Prep Date:	12/23/97	Analyst:	HW	Analysis Date	Analysis Method
Benzene	< 2.0	2.0	6.4		ug/L			12/23/97		SW846 8260		
Bromobenzene	< 1.4	1.4	4.5		ug/L			12/23/97		SW846 8260		
Bromoform	< 1.6	1.6	5.1		ug/L			12/23/97		SW846 8260		
Bromomethane	< 1.5	1.5	4.8		ug/L			12/23/97		SW846 8260		
s-Butylbenzene	< 1.2	1.2	3.8		ug/L			12/23/97		SW846 8260		
t-Butylbenzene	< 1.2	1.2	3.8		ug/L			12/23/97		SW846 8260		
n-Butylbenzene	< 1.6	1.6	5.1		ug/L			12/23/97		SW846 8260		
Carbon tetrachloride	< 1.2	1.2	3.8		ug/L			12/23/97		SW846 8260		
Chloroform	< 1.2	1.2	3.8		ug/L			12/23/97		SW846 8260		
Chlorobenzene	< 1.4	1.4	4.5		ug/L			12/23/97		SW846 8260		
Chlorodibromomethane	< 1.2	1.2	3.8		ug/L			12/23/97		SW846 8260		
Chloroethane	< 1.2	1.2	3.8		ug/L			12/23/97		SW846 8260		
Chloromethane	< 0.75	0.75	2.4		ug/L			12/23/97		SW846 8260		
2-Chlorotoluene	< 1.4	1.4	4.5		ug/L			12/23/97		SW846 8260		
4-Chlorotoluene	< 1.5	1.5	4.8		ug/L			12/23/97		SW846 8260		
1,2-Dibromo-3-chloropropane	< 2.9	2.9	9.2		ug/L			12/23/97		SW846 8260		
1,2-Dibromoethane	< 1.2	1.2	3.8		ug/L			12/23/97		SW846 8260		
Dibromomethane	< 1.4	1.4	4.5		ug/L			12/23/97		SW846 8260		
1,3-Dichlorobenzene	< 1.4	1.4	4.5		ug/L			12/23/97		SW846 8260		
1,4-Dichlorobenzene	< 1.4	1.4	4.5		ug/L			12/23/97		SW846 8260		
1,2-Dichloroethane	< 1.2	1.2	3.8		ug/L			12/23/97		SW846 8260		
1,2-Dichlorobenzene	< 1.6	1.6	5.1		ug/L			12/23/97		SW846 8260		
1,1-Dichloroethene	29	1.4	4.5		ug/L			12/23/97		SW846 8260		
cis-1,2-Dichloroethene	11	1.4	4.5		ug/L			12/23/97		SW846 8260		
Dichlorodifluoromethane	< 1.2	1.2	3.8		ug/L			12/23/97		SW846 8260		
trans-1,2-Dichloroethene	< 1.2	1.2	3.8		ug/L			12/23/97		SW846 8260		



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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-12

Report Date : 12/24/97

Lab Sample Number : 875359-009

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

1,2-Dichloropropane	< 1.2	1.2	3.8	ug/L	12/23/97	SW846 8260
1,1-Dichloroethane	62	1.3	4.1	ug/L	12/23/97	SW846 8260
1,3-Dichloropropane	< 1.4	1.4	4.5	ug/L	12/23/97	SW846 8260
2,2-Dichloropropane	< 2.2	2.2	7.0	ug/L	12/23/97	SW846 8260
1,1-Dichloropropene	< 1.3	1.3	4.1	ug/L	12/23/97	SW846 8260
cis-1,3-Dichloropropene	< 2.4	2.4	7.6	ug/L	12/23/97	SW846 8260
trans-1,3-Dichloropropene	< 2.2	2.2	7.0	ug/L	12/23/97	SW846 8260
Diisopropyl ether	< 2.1	2.1	6.7	ug/L	12/23/97	SW846 8260
Ethylbenzene	< 1.2	1.2	3.8	ug/L	12/23/97	SW846 8260
Fluorotrichloromethane	< 1.4	1.4	4.5	ug/L	12/23/97	SW846 8260
Hexachlorobutadiene	< 1.6	1.6	5.1	ug/L	12/23/97	SW846 8260
Isopropylbenzene	< 1.4	1.4	4.5	ug/L	12/23/97	SW846 8260
p-Isopropyltoluene	< 1.1	1.1	3.5	ug/L	12/23/97	SW846 8260
Methylene chloride	3.4	1.1	3.5	ug/L	Q	SW846 8260
Methyl-tert-butyl-ether	< 2.6	2.6	8.3	ug/L	12/23/97	SW846 8260
Naphthalene	< 3.3	3.3	11	ug/L	12/23/97	SW846 8260
n-Propylbenzene	< 1.4	1.4	4.5	ug/L	12/23/97	SW846 8260
Styrene	< 0.95	0.95	3.0	ug/L	12/23/97	SW846 8260
1,1,2,2-Tetrachloroethane	< 2.3	2.3	7.3	ug/L	12/23/97	SW846 8260
1,1,1,2-Tetrachloroethane	< 1.1	1.1	3.5	ug/L	12/23/97	SW846 8260
Tetrachloroethene	< 1.4	1.4	4.5	ug/L	12/23/97	SW846 8260
Toluene	< 1.4	1.4	4.5	ug/L	12/23/97	SW846 8260
1,2,3-Trichlorobenzene	< 1.6	1.6	5.1	ug/L	12/23/97	SW846 8260
1,2,4-Trichlorobenzene	< 2.4	2.4	7.6	ug/L	12/23/97	SW846 8260
1,1,1-Trichloroethane	250	1.4	4.5	ug/L	12/23/97	SW846 8260
1,1,2-Trichloroethane	< 1.5	1.5	4.8	ug/L	12/23/97	SW846 8260
1,2,4-Trimethylbenzene	< 1.5	1.5	4.8	ug/L	12/23/97	SW846 8260
Trichloroethene	1000	1.0	3.2	ug/L	12/23/97	SW846 8260
1,2,3-Trichloropropane	< 2.4	2.4	7.6	ug/L	12/23/97	SW846 8260
1,3,5-Trimethylbenzene	< 1.2	1.2	3.8	ug/L	12/23/97	SW846 8260
Vinyl chloride	< 1.2	1.2	3.8	ug/L	12/23/97	SW846 8260
Xylenes, -m, -p	< 2.5	2.5	8.0	ug/L	12/23/97	SW846 8260
Xylene, -o	< 1.4	1.4	4.5	ug/L	12/23/97	SW846 8260
4-Bromofluorobenzene	105			%Recov	12/23/97	SW846 8260
Dibromofluoromethane	100			%Recov	12/23/97	SW846 8260



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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-12

Report Date : 12/24/97

Lab Sample Number : 875359-009

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

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Toluene-d8	98	%Recov	12/23/97	SW846 8260
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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-13 BR(2)

Report Date : 12/24/97

Lab Sample Number : 875359-010

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

## Organic Results

EPA 8260 VOLATILE LIST- WATER		Prep Method: SW846 5030			Prep Date:	12/23/97	Analyst:	HW
Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 2.0	2.0	6.4		ug/L		12/23/97	SW846 8260
Bromobenzene	< 1.4	1.4	4.5		ug/L		12/23/97	SW846 8260
Bromoform	< 1.4	1.4	4.5		ug/L		12/23/97	SW846 8260
Bromodichloromethane	< 0.90	0.90	2.9		ug/L		12/23/97	SW846 8260
Bromoform	< 1.6	1.6	5.1		ug/L		12/23/97	SW846 8260
Bromomethane	< 1.5	1.5	4.8		ug/L		12/23/97	SW846 8260
s-Butylbenzene	< 1.2	1.2	3.8		ug/L		12/23/97	SW846 8260
t-Butylbenzene	< 1.2	1.2	3.8		ug/L		12/23/97	SW846 8260
n-Butylbenzene	< 1.6	1.6	5.1		ug/L		12/23/97	SW846 8260
Carbon tetrachloride	< 1.2	1.2	3.8		ug/L		12/23/97	SW846 8260
Chloroform	< 1.2	1.2	3.8		ug/L		12/23/97	SW846 8260
Chlorobenzene	< 1.4	1.4	4.5		ug/L		12/23/97	SW846 8260
Chlorodibromomethane	< 1.2	1.2	3.8		ug/L		12/23/97	SW846 8260
Chloroethane	< 1.2	1.2	3.8		ug/L		12/23/97	SW846 8260
Chloromethane	< 0.75	0.75	2.4		ug/L		12/23/97	SW846 8260
2-Chlorotoluene	< 1.4	1.4	4.5		ug/L		12/23/97	SW846 8260
4-Chlorotoluene	< 1.5	1.5	4.8		ug/L		12/23/97	SW846 8260
1,2-Dibromo-3-chloropropane	< 2.9	2.9	9.2		ug/L		12/23/97	SW846 8260
1,2-Dibromoethane	< 1.2	1.2	3.8		ug/L		12/23/97	SW846 8260
Dibromomethane	< 1.4	1.4	4.5		ug/L		12/23/97	SW846 8260
1,3-Dichlorobenzene	< 1.4	1.4	4.5		ug/L		12/23/97	SW846 8260
1,4-Dichlorobenzene	< 1.4	1.4	4.5		ug/L		12/23/97	SW846 8260
1,2-Dichloroethane	< 1.2	1.2	3.8		ug/L		12/23/97	SW846 8260
1,2-Dichlorobenzene	< 1.6	1.6	5.1		ug/L		12/23/97	SW846 8260
1,1-Dichloroethene	80	1.4	4.5		ug/L		12/23/97	SW846 8260
cis-1,2-Dichloroethene	55	1.4	4.5		ug/L		12/23/97	SW846 8260
Dichlorodifluoromethane	< 1.2	1.2	3.8		ug/L		12/23/97	SW846 8260
trans-1,2-Dichloroethene	< 1.2	1.2	3.8		ug/L		12/23/97	SW846 8260



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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-13 BR(2)

Report Date : 12/24/97

Lab Sample Number : 875359-010

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

1,2-Dichloropropane	< 1.2	1.2	3.8	ug/L	12/23/97	SW846 8260
1,1-Dichloroethane	250	1.3	4.1	ug/L	12/23/97	SW846 8260
1,3-Dichloropropane	< 1.4	1.4	4.5	ug/L	12/23/97	SW846 8260
2,2-Dichloropropane	< 2.2	2.2	7.0	ug/L	12/23/97	SW846 8260
1,1-Dichloropropene	< 1.3	1.3	4.1	ug/L	12/23/97	SW846 8260
cis-1,3-Dichloropropene	< 2.4	2.4	7.6	ug/L	12/23/97	SW846 8260
trans-1,3-Dichloropropene	< 2.2	2.2	7.0	ug/L	12/23/97	SW846 8260
Diisopropyl ether	< 2.1	2.1	6.7	ug/L	12/23/97	SW846 8260
Ethylbenzene	< 1.2	1.2	3.8	ug/L	12/23/97	SW846 8260
Fluorotrichloromethane	< 1.4	1.4	4.5	ug/L	12/23/97	SW846 8260
Hexachlorobutadiene	< 1.6	1.6	5.1	ug/L	12/23/97	SW846 8260
Isopropylbenzene	< 1.4	1.4	4.5	ug/L	12/23/97	SW846 8260
p-Isopropyltoluene	< 1.1	1.1	3.5	ug/L	12/23/97	SW846 8260
Methylene chloride	2.5	1.1	3.5	ug/L	Q	SW846 8260
Methyl-tert-butyl-ether	< 2.6	2.6	8.3	ug/L	12/23/97	SW846 8260
Naphthalene	< 3.3	3.3	11	ug/L	12/23/97	SW846 8260
n-Propylbenzene	< 1.4	1.4	4.5	ug/L	12/23/97	SW846 8260
Styrene	< 0.95	0.95	3.0	ug/L	12/23/97	SW846 8260
1,1,2,2-Tetrachloroethane	< 2.3	2.3	7.3	ug/L	12/23/97	SW846 8260
1,1,1,2-Tetrachloroethane	< 1.1	1.1	3.5	ug/L	12/23/97	SW846 8260
Tetrachloroethene	< 1.4	1.4	4.5	ug/L	12/23/97	SW846 8260
Toluene	< 1.4	1.4	4.5	ug/L	12/23/97	SW846 8260
1,2,3-Trichlorobenzene	< 1.6	1.6	5.1	ug/L	12/23/97	SW846 8260
1,2,4-Trichlorobenzene	< 2.4	2.4	7.6	ug/L	12/23/97	SW846 8260
1,1,1-Trichloroethane	670	1.4	4.5	ug/L	12/23/97	SW846 8260
1,1,2-Trichloroethane	< 1.5	1.5	4.8	ug/L	12/23/97	SW846 8260
1,2,4-Trimethylbenzene	< 1.5	1.5	4.8	ug/L	12/23/97	SW846 8260
Trichloroethene	330	1.0	3.2	ug/L	12/23/97	SW846 8260
1,2,3-Trichloropropane	< 2.4	2.4	7.6	ug/L	12/23/97	SW846 8260
1,3,5-Trimethylbenzene	< 1.2	1.2	3.8	ug/L	12/23/97	SW846 8260
Vinyl chloride	< 1.2	1.2	3.8	ug/L	12/23/97	SW846 8260
Xylenes, -m, -p	< 2.5	2.5	8.0	ug/L	12/23/97	SW846 8260
Xylene, -o	< 1.4	1.4	4.5	ug/L	12/23/97	SW846 8260
4-Bromofluorobenzene	108			%Recov	12/23/97	SW846 8260
Dibromofluoromethane	100			%Recov	12/23/97	SW846 8260



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### - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-13 BR(2)

Report Date : 12/24/97

Lab Sample Number : 875359-010

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

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Toluene-d8

97

%Recov

12/23/97

SW846 8260



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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : TRIP BLANK

Report Date : 12/23/97

Lab Sample Number : 875359-011

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

### Organic Results

EPA 8260 VOLATILE LIST- WATER		Prep Method: SW846 5030			Prep Date:	12/22/97	Analyst:	HW
Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.41	0.41	1.3		ug/L		12/22/97	SW846 8260
Bromobenzene	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
Bromoform	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
Bromochloromethane	< 0.18	0.18	0.57		ug/L		12/22/97	SW846 8260
Bromodichloromethane	< 0.18	0.18	0.57		ug/L		12/22/97	SW846 8260
Bromoform	< 0.31	0.31	0.99		ug/L		12/22/97	SW846 8260
Bromomethane	< 0.30	0.30	0.96		ug/L		12/22/97	SW846 8260
s-Butylbenzene	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
t-Butylbenzene	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
n-Butylbenzene	< 0.31	0.31	0.99		ug/L		12/22/97	SW846 8260
Carbon tetrachloride	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
Chloroform	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
Chlorobenzene	< 0.27	0.27	0.86		ug/L		12/22/97	SW846 8260
Chlorodibromomethane	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
Chloroethane	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
Chloromethane	< 0.15	0.15	0.48		ug/L		12/22/97	SW846 8260
2-Chlorotoluene	< 0.27	0.27	0.86		ug/L		12/22/97	SW846 8260
4-Chlorotoluene	< 0.30	0.30	0.96		ug/L		12/22/97	SW846 8260
1,2-Dibromo-3-chloropropane	< 0.58	0.58	1.8		ug/L		12/22/97	SW846 8260
1,2-Dibromoethane	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
Dibromomethane	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
1,3-Dichlorobenzene	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
1,4-Dichlorobenzene	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
1,2-Dichloroethane	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
1,2-Dichlorobenzene	< 0.32	0.32	1.0		ug/L		12/22/97	SW846 8260
1,1-Dichloroethene	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
cis-1,2-Dichloroethene	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
Dichlorodifluoromethane	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
trans-1,2-Dichloroethene	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260



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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : TRIP BLANK

Report Date : 12/23/97

Lab Sample Number : 875359-011

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

1,2-Dichloropropane	< 0.24	0.24	0.76	ug/L	12/22/97	SW846 8260
1,1-Dichloroethane	< 0.26	0.26	0.83	ug/L	12/22/97	SW846 8260
1,3-Dichloropropane	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
2,2-Dichloropropane	< 0.45	0.45	1.4	ug/L	12/22/97	SW846 8260
1,1-Dichloropropene	< 0.26	0.26	0.83	ug/L	12/22/97	SW846 8260
cis-1,3-Dichloropropene	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260
trans-1,3-Dichloropropene	< 0.45	0.45	1.4	ug/L	12/22/97	SW846 8260
Diisopropyl ether	< 0.43	0.43	1.4	ug/L	12/22/97	SW846 8260
Ethylbenzene	< 0.23	0.23	0.73	ug/L	12/22/97	SW846 8260
Fluorotrichloromethane	< 0.29	0.29	0.92	ug/L	12/22/97	SW846 8260
Hexachlorobutadiene	< 0.31	0.31	0.99	ug/L	12/22/97	SW846 8260
Isopropylbenzene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
p-Isopropyltoluene	< 0.22	0.22	0.70	ug/L	12/22/97	SW846 8260
Methylene chloride	< 0.22	0.22	0.70	ug/L	12/22/97	SW846 8260
Methyl-tert-butyl-ether	< 0.53	0.53	1.7	ug/L	12/22/97	SW846 8260
Naphthalene	< 0.66	0.66	2.1	ug/L	12/22/97	SW846 8260
n-Propylbenzene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
Styrene	< 0.19	0.19	0.61	ug/L	12/22/97	SW846 8260
1,1,2,2-Tetrachloroethane	< 0.46	0.46	1.5	ug/L	12/22/97	SW846 8260
1,1,1,2-Tetrachloroethane	< 0.21	0.21	0.67	ug/L	12/22/97	SW846 8260
Tetrachloroethene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
Toluene	< 0.28	0.28	0.89	ug/L	12/22/97	SW846 8260
1,2,3-Trichlorobenzene	< 0.32	0.32	1.0	ug/L	12/22/97	SW846 8260
1,2,4-Trichlorobenzene	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260
1,1,1-Trichloroethane	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
1,1,2-Trichloroethane	< 0.30	0.30	0.96	ug/L	12/22/97	SW846 8260
1,2,4-Trimethylbenzene	< 0.30	0.30	0.96	ug/L	12/22/97	SW846 8260
Trichloroethene	< 0.20	0.20	0.64	ug/L	12/22/97	SW846 8260
1,2,3-Trichloropropane	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260
1,3,5-Trimethylbenzene	< 0.25	0.25	0.80	ug/L	12/22/97	SW846 8260
Vinyl chloride	< 0.23	0.23	0.73	ug/L	12/22/97	SW846 8260
Xylenes, -m, -p	< 0.51	0.51	1.6	ug/L	12/22/97	SW846 8260
Xylene, -o	< 0.28	0.28	0.89	ug/L	12/22/97	SW846 8260
4-Bromofluorobenzene	102			%Recov	12/22/97	SW846 8260
Dibromofluoromethane	93			%Recov	12/22/97	SW846 8260



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### - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : TRIP BLANK

Report Date : 12/23/97

Lab Sample Number : 875359-011

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

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Toluene-d8	97	%Recov	12/22/97	SW846 8260
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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : FIELD BLANK

Report Date : 12/23/97

Lab Sample Number : 875359-012

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

## Organic Results

EPA 8260 VOLATILE LIST- WATER		Prep Method: SW846 5030			Prep Date:	12/22/97	Analyst:	HW
Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.41	0.41	1.3		ug/L		12/22/97	SW846 8260
Bromobenzene	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
Bromochloromethane	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
Bromodichloromethane	< 0.18	0.18	0.57		ug/L		12/22/97	SW846 8260
Bromoform	< 0.31	0.31	0.99		ug/L		12/22/97	SW846 8260
Bromomethane	< 0.30	0.30	0.96		ug/L		12/22/97	SW846 8260
s-Butylbenzene	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
t-Butylbenzene	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
n-Butylbenzene	< 0.31	0.31	0.99		ug/L		12/22/97	SW846 8260
Carbon tetrachloride	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
Chloroform	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
Chlorobenzene	< 0.27	0.27	0.86		ug/L		12/22/97	SW846 8260
Chlorodibromomethane	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
Chloroethane	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
Chloromethane	< 0.15	0.15	0.48		ug/L		12/22/97	SW846 8260
2-Chlorotoluene	< 0.27	0.27	0.86		ug/L		12/22/97	SW846 8260
4-Chlorotoluene	< 0.30	0.30	0.96		ug/L		12/22/97	SW846 8260
1,2-Dibromo-3-chloropropane	< 0.58	0.58	1.8		ug/L		12/22/97	SW846 8260
1,2-Dibromoethane	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
Dibromomethane	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
1,3-Dichlorobenzene	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
1,4-Dichlorobenzene	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
1,2-Dichloroethane	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
1,2-Dichlorobenzene	< 0.32	0.32	1.0		ug/L		12/22/97	SW846 8260
1,1-Dichloroethene	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
cis-1,2-Dichloroethene	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
Dichlorodifluoromethane	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
trans-1,2-Dichloroethene	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260



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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : FIELD BLANK

Report Date : 12/23/97

Lab Sample Number : 875359-012

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

1,2-Dichloropropane	< 0.24	0.24	0.76	ug/L	12/22/97	SW846 8260
1,1-Dichloroethane	< 0.26	0.26	0.83	ug/L	12/22/97	SW846 8260
1,3-Dichloropropane	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
2,2-Dichloropropane	< 0.45	0.45	1.4	ug/L	12/22/97	SW846 8260
1,1-Dichloropropene	< 0.26	0.26	0.83	ug/L	12/22/97	SW846 8260
cis-1,3-Dichloropropene	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260
trans-1,3-Dichloropropene	< 0.45	0.45	1.4	ug/L	12/22/97	SW846 8260
Diisopropyl ether	< 0.43	0.43	1.4	ug/L	12/22/97	SW846 8260
Ethylbenzene	< 0.23	0.23	0.73	ug/L	12/22/97	SW846 8260
Fluorotrichloromethane	< 0.29	0.29	0.92	ug/L	12/22/97	SW846 8260
Hexachlorobutadiene	< 0.31	0.31	0.99	ug/L	12/22/97	SW846 8260
Isopropylbenzene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
p-Isopropyltoluene	< 0.22	0.22	0.70	ug/L	12/22/97	SW846 8260
Methylene chloride	0.35	0.22	0.70	ug/L	Q	SW846 8260
Methyl-tert-butyl-ether	< 0.53	0.53	1.7	ug/L	12/22/97	SW846 8260
Naphthalene	< 0.66	0.66	2.1	ug/L	12/22/97	SW846 8260
n-Propylbenzene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
Styrene	< 0.19	0.19	0.61	ug/L	12/22/97	SW846 8260
1,1,2,2-Tetrachloroethane	< 0.46	0.46	1.5	ug/L	12/22/97	SW846 8260
1,1,1,2-Tetrachloroethane	< 0.21	0.21	0.67	ug/L	12/22/97	SW846 8260
Tetrachloroethene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
Toluene	< 0.28	0.28	0.89	ug/L	12/22/97	SW846 8260
1,2,3-Trichlorobenzene	< 0.32	0.32	1.0	ug/L	12/22/97	SW846 8260
1,2,4-Trichlorobenzene	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260
1,1,1-Trichloroethane	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
1,1,2-Trichloroethane	< 0.30	0.30	0.96	ug/L	12/22/97	SW846 8260
1,2,4-Trimethylbenzene	< 0.30	0.30	0.96	ug/L	12/22/97	SW846 8260
Trichloroethene	< 0.20	0.20	0.64	ug/L	12/22/97	SW846 8260
1,2,3-Trichloropropane	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260
1,3,5-Trimethylbenzene	< 0.25	0.25	0.80	ug/L	12/22/97	SW846 8260
Vinyl chloride	< 0.23	0.23	0.73	ug/L	12/22/97	SW846 8260
Xylenes, -m, -p	< 0.51	0.51	1.6	ug/L	12/22/97	SW846 8260
Xylene, -o	< 0.28	0.28	0.89	ug/L	12/22/97	SW846 8260
4-Bromofluorobenzene	103			%Recov	12/22/97	SW846 8260
Dibromofluoromethane	93			%Recov	12/22/97	SW846 8260



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### - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : FIELD BLANK

Report Date : 12/23/97

Lab Sample Number : 875359-012

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

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Toluene-d8

98

%Recov

12/22/97

SW846 8260



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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-18 BR(1)

Report Date : 12/24/97

Lab Sample Number : 875359-013

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

## Organic Results

EPA 8260 VOLATILE LIST- WATER		Prep Method: SW846 5030			Prep Date:	12/23/97	Analyst:	HW
Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.41	0.41	1.3		ug/L		12/23/97	SW846 8260
Bromobenzene	< 0.29	0.29	0.92		ug/L		12/23/97	SW846 8260
Bromoform	< 0.29	0.29	0.92		ug/L		12/23/97	SW846 8260
Bromodichloromethane	< 0.18	0.18	0.57		ug/L		12/23/97	SW846 8260
Bromoform	< 0.31	0.31	0.99		ug/L		12/23/97	SW846 8260
Bromomethane	< 0.30	0.30	0.96		ug/L		12/23/97	SW846 8260
s-Butylbenzene	< 0.23	0.23	0.73		ug/L		12/23/97	SW846 8260
t-Butylbenzene	< 0.24	0.24	0.76		ug/L		12/23/97	SW846 8260
n-Butylbenzene	< 0.31	0.31	0.99		ug/L		12/23/97	SW846 8260
Carbon tetrachloride	< 0.23	0.23	0.73		ug/L		12/23/97	SW846 8260
Chloroform	< 0.25	0.25	0.80		ug/L		12/23/97	SW846 8260
Chlorobenzene	< 0.27	0.27	0.86		ug/L		12/23/97	SW846 8260
Chlorodibromomethane	< 0.23	0.23	0.73		ug/L		12/23/97	SW846 8260
Chloroethane	< 0.25	0.25	0.80		ug/L		12/23/97	SW846 8260
Chloromethane	< 0.15	0.15	0.48		ug/L		12/23/97	SW846 8260
2-Chlorotoluene	< 0.27	0.27	0.86		ug/L		12/23/97	SW846 8260
4-Chlorotoluene	< 0.30	0.30	0.96		ug/L		12/23/97	SW846 8260
1,2-Dibromo-3-chloropropane	< 0.58	0.58	1.8		ug/L		12/23/97	SW846 8260
1,2-Dibromoethane	< 0.24	0.24	0.76		ug/L		12/23/97	SW846 8260
Dibromomethane	< 0.28	0.28	0.89		ug/L		12/23/97	SW846 8260
1,3-Dichlorobenzene	< 0.28	0.28	0.89		ug/L		12/23/97	SW846 8260
1,4-Dichlorobenzene	< 0.29	0.29	0.92		ug/L		12/23/97	SW846 8260
1,2-Dichloroethane	< 0.24	0.24	0.76		ug/L		12/23/97	SW846 8260
1,2-Dichlorobenzene	< 0.32	0.32	1.0		ug/L		12/23/97	SW846 8260
1,1-Dichloroethene	1.0	0.28	0.89		ug/L		12/23/97	SW846 8260
cis-1,2-Dichloroethene	2.9	0.28	0.89		ug/L		12/23/97	SW846 8260
Dichlorodifluoromethane	< 0.25	0.25	0.80		ug/L		12/23/97	SW846 8260
trans-1,2-Dichloroethene	< 0.25	0.25	0.80		ug/L		12/23/97	SW846 8260



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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-18 BR(1)

Report Date : 12/24/97

Lab Sample Number : 875359-013

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

1,2-Dichloropropane	< 0.24	0.24	0.76	ug/L	12/23/97	SW846 8260
1,1-Dichloroethane	6.6	0.26	0.83	ug/L	12/23/97	SW846 8260
1,3-Dichloropropane	< 0.27	0.27	0.86	ug/L	12/23/97	SW846 8260
2,2-Dichloropropane	< 0.45	0.45	1.4	ug/L	12/23/97	SW846 8260
1,1-Dichloropropene	< 0.26	0.26	0.83	ug/L	12/23/97	SW846 8260
cis-1,3-Dichloropropene	< 0.48	0.48	1.5	ug/L	12/23/97	SW846 8260
trans-1,3-Dichloropropene	< 0.45	0.45	1.4	ug/L	12/23/97	SW846 8260
Diisopropyl ether	< 0.43	0.43	1.4	ug/L	12/23/97	SW846 8260
Ethylbenzene	< 0.23	0.23	0.73	ug/L	12/23/97	SW846 8260
Fluorotrichloromethane	< 0.29	0.29	0.92	ug/L	12/23/97	SW846 8260
Hexachlorobutadiene	< 0.31	0.31	0.99	ug/L	12/23/97	SW846 8260
Isopropylbenzene	< 0.27	0.27	0.86	ug/L	12/23/97	SW846 8260
p-Isopropyltoluene	< 0.22	0.22	0.70	ug/L	12/23/97	SW846 8260
Methylene chloride	< 0.22	0.22	0.70	ug/L	12/23/97	SW846 8260
Methyl-tert-butyl-ether	< 0.53	0.53	1.7	ug/L	12/23/97	SW846 8260
Naphthalene	< 0.66	0.66	2.1	ug/L	12/23/97	SW846 8260
n-Propylbenzene	< 0.27	0.27	0.86	ug/L	12/23/97	SW846 8260
Styrene	< 0.19	0.19	0.61	ug/L	12/23/97	SW846 8260
1,1,2,2-Tetrachloroethane	< 0.46	0.46	1.5	ug/L	12/23/97	SW846 8260
1,1,1,2-Tetrachloroethane	< 0.21	0.21	0.67	ug/L	12/23/97	SW846 8260
Tetrachloroethene	< 0.27	0.27	0.86	ug/L	12/23/97	SW846 8260
Toluene	< 0.28	0.28	0.89	ug/L	12/23/97	SW846 8260
1,2,3-Trichlorobenzene	< 0.32	0.32	1.0	ug/L	12/23/97	SW846 8260
1,2,4-Trichlorobenzene	< 0.48	0.48	1.5	ug/L	12/23/97	SW846 8260
1,1,1-Trichloroethane	5.1	0.27	0.86	ug/L	12/23/97	SW846 8260
1,1,2-Trichloroethane	< 0.30	0.30	0.96	ug/L	12/23/97	SW846 8260
1,2,4-Trimethylbenzene	< 0.30	0.30	0.96	ug/L	12/23/97	SW846 8260
Trichloroethene	6.7	0.20	0.64	ug/L	12/23/97	SW846 8260
1,2,3-Trichloropropane	< 0.48	0.48	1.5	ug/L	12/23/97	SW846 8260
1,3,5-Trimethylbenzene	< 0.25	0.25	0.80	ug/L	12/23/97	SW846 8260
Vinyl chloride	< 0.23	0.23	0.73	ug/L	12/23/97	SW846 8260
Xylenes, -m, -p	< 0.51	0.51	1.6	ug/L	12/23/97	SW846 8260
Xylene, -o	< 0.28	0.28	0.89	ug/L	12/23/97	SW846 8260
4-Bromofluorobenzene	101			%Recov	12/23/97	SW846 8260
Dibromofluoromethane	97			%Recov	12/23/97	SW846 8260



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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-18 BR(1)

Report Date : 12/24/97

Lab Sample Number : 875359-013

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

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Toluene-d8

98

%Recov

12/23/97

SW846 8260



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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-18 BR(2)

Report Date : 12/23/97

Lab Sample Number : 875359-014

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

### Organic Results

EPA 8260 VOLATILE LIST- WATER		Prep Method: SW846 5030			Prep Date:	12/22/97	Analyst:	HW
Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.41	0.41	1.3		ug/L		12/22/97	SW846 8260
Bromobenzene	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
Bromochloromethane	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
Bromodichloromethane	< 0.18	0.18	0.57		ug/L		12/22/97	SW846 8260
Bromoform	< 0.31	0.31	0.99		ug/L		12/22/97	SW846 8260
Bromomethane	< 0.30	0.30	0.96		ug/L		12/22/97	SW846 8260
s-Butylbenzene	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
t-Butylbenzene	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
n-Butylbenzene	< 0.31	0.31	0.99		ug/L		12/22/97	SW846 8260
Carbon tetrachloride	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
Chloroform	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
Chlorobenzene	< 0.27	0.27	0.86		ug/L		12/22/97	SW846 8260
Chlorodibromomethane	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
Chloroethane	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
Chloromethane	< 0.15	0.15	0.48		ug/L		12/22/97	SW846 8260
2-Chlorotoluene	< 0.27	0.27	0.86		ug/L		12/22/97	SW846 8260
4-Chlorotoluene	< 0.30	0.30	0.96		ug/L		12/22/97	SW846 8260
1,2-Dibromo-3-chloropropane	< 0.58	0.58	1.8		ug/L		12/22/97	SW846 8260
1,2-Dibromoethane	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
Dibromomethane	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
1,3-Dichlorobenzene	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
1,4-Dichlorobenzene	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
1,2-Dichloroethane	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
1,2-Dichlorobenzene	< 0.32	0.32	1.0		ug/L		12/22/97	SW846 8260
1,1-Dichloroethene	2.7	0.28	0.89		ug/L		12/22/97	SW846 8260
cis-1,2-Dichloroethene	14	0.28	0.89		ug/L		12/22/97	SW846 8260
Dichlorodifluoromethane	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
trans-1,2-Dichloroethene	0.44	0.25	0.80		ug/L	Q	12/22/97	SW846 8260



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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-18 BR(2)

Report Date : 12/23/97

Lab Sample Number : 875359-014

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

1,2-Dichloropropane	< 0.24	0.24	0.76	ug/L	12/22/97	SW846 8260
1,1-Dichloroethane	29	0.26	0.83	ug/L	12/22/97	SW846 8260
1,3-Dichloropropane	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
2,2-Dichloropropane	< 0.45	0.45	1.4	ug/L	12/22/97	SW846 8260
1,1-Dichloropropene	< 0.26	0.26	0.83	ug/L	12/22/97	SW846 8260
cis-1,3-Dichloropropene	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260
trans-1,3-Dichloropropene	< 0.45	0.45	1.4	ug/L	12/22/97	SW846 8260
Diisopropyl ether	< 0.43	0.43	1.4	ug/L	12/22/97	SW846 8260
Ethylbenzene	< 0.23	0.23	0.73	ug/L	12/22/97	SW846 8260
Fluorotrichloromethane	< 0.29	0.29	0.92	ug/L	12/22/97	SW846 8260
Hexachlorobutadiene	< 0.31	0.31	0.99	ug/L	12/22/97	SW846 8260
Isopropylbenzene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
p-Isopropyltoluene	< 0.22	0.22	0.70	ug/L	12/22/97	SW846 8260
Methylene chloride	< 0.22	0.22	0.70	ug/L	12/22/97	SW846 8260
Methyl-tert-butyl-ether	< 0.53	0.53	1.7	ug/L	12/22/97	SW846 8260
Naphthalene	< 0.66	0.66	2.1	ug/L	12/22/97	SW846 8260
n-Propylbenzene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
Styrene	< 0.19	0.19	0.61	ug/L	12/22/97	SW846 8260
1,1,2,2-Tetrachloroethane	< 0.46	0.46	1.5	ug/L	12/22/97	SW846 8260
1,1,1,2-Tetrachloroethane	< 0.21	0.21	0.67	ug/L	12/22/97	SW846 8260
Tetrachloroethene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260
Toluene	< 0.28	0.28	0.89	ug/L	12/22/97	SW846 8260
1,2,3-Trichlorobenzene	< 0.32	0.32	1.0	ug/L	12/22/97	SW846 8260
1,2,4-Trichlorobenzene	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260
1,1,1-Trichloroethane	23	0.27	0.86	ug/L	12/22/97	SW846 8260
1,1,2-Trichloroethane	< 0.30	0.30	0.96	ug/L	12/22/97	SW846 8260
1,2,4-Trimethylbenzene	< 0.30	0.30	0.96	ug/L	12/22/97	SW846 8260
Trichloroethene	24	0.20	0.64	ug/L	12/22/97	SW846 8260
1,2,3-Trichloropropane	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260
1,3,5-Trimethylbenzene	< 0.25	0.25	0.80	ug/L	12/22/97	SW846 8260
Vinyl chloride	< 0.23	0.23	0.73	ug/L	12/22/97	SW846 8260
Xylenes, -m, -p	< 0.51	0.51	1.6	ug/L	12/22/97	SW846 8260
Xylene, -o	< 0.28	0.28	0.89	ug/L	12/22/97	SW846 8260
4-Bromofluorobenzene	80			%Recov	12/22/97	SW846 8260
Dibromofluoromethane	82			%Recov	12/22/97	SW846 8260



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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-18 BR(2)

Report Date : 12/23/97

Lab Sample Number : 875359-014

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

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Toluene-d8	79	%Recov	12/22/97	SW846 8260
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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-19 BR(1)

Report Date : 12/24/97

Lab Sample Number : 875359-015

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

### Organic Results

EPA 8260 VOLATILE LIST- WATER		Prep Method: SW846 5030			Prep Date:	12/23/97	Analyst:	HW
Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.82	0.82	2.6		ug/L		12/23/97	SW846 8260
Bromobenzene	< 0.58	0.58	1.8		ug/L		12/23/97	SW846 8260
Bromochloromethane	< 0.58	0.58	1.8		ug/L		12/23/97	SW846 8260
Bromodichloromethane	< 0.36	0.36	1.1		ug/L		12/23/97	SW846 8260
Bromoform	< 0.62	0.62	2.0		ug/L		12/23/97	SW846 8260
Bromomethane	< 0.60	0.60	1.9		ug/L		12/23/97	SW846 8260
s-Butylbenzene	< 0.46	0.46	1.5		ug/L		12/23/97	SW846 8260
t-Butylbenzene	< 0.48	0.48	1.5		ug/L		12/23/97	SW846 8260
n-Butylbenzene	< 0.62	0.62	2.0		ug/L		12/23/97	SW846 8260
Carbon tetrachloride	< 0.46	0.46	1.5		ug/L		12/23/97	SW846 8260
Chloroform	< 0.50	0.50	1.6		ug/L		12/23/97	SW846 8260
Chlorobenzene	< 0.54	0.54	1.7		ug/L		12/23/97	SW846 8260
Chlorodibromomethane	< 0.46	0.46	1.5		ug/L		12/23/97	SW846 8260
Chloroethane	< 0.50	0.50	1.6		ug/L		12/23/97	SW846 8260
Chloromethane	< 0.30	0.30	0.96		ug/L		12/23/97	SW846 8260
2-Chlorotoluene	< 0.54	0.54	1.7		ug/L		12/23/97	SW846 8260
4-Chlorotoluene	< 0.60	0.60	1.9		ug/L		12/23/97	SW846 8260
1,2-Dibromo-3-chloropropane	< 1.2	1.2	3.8		ug/L		12/23/97	SW846 8260
1,2-Dibromoethane	< 0.48	0.48	1.5		ug/L		12/23/97	SW846 8260
Dibromomethane	< 0.56	0.56	1.8		ug/L		12/23/97	SW846 8260
1,3-Dichlorobenzene	< 0.56	0.56	1.8		ug/L		12/23/97	SW846 8260
1,4-Dichlorobenzene	< 0.58	0.58	1.8		ug/L		12/23/97	SW846 8260
1,2-Dichloroethane	< 0.48	0.48	1.5		ug/L		12/23/97	SW846 8260
1,2-Dichlorobenzene	< 0.64	0.64	2.0		ug/L		12/23/97	SW846 8260
1,1-Dichloroethene	17	0.56	1.8		ug/L		12/23/97	SW846 8260
cis-1,2-Dichloroethene	49	0.56	1.8		ug/L		12/23/97	SW846 8260
Dichlorodifluoromethane	< 0.50	0.50	1.6		ug/L		12/23/97	SW846 8260
trans-1,2-Dichloroethene	0.94	0.50	1.6		ug/L	Q	12/23/97	SW846 8260



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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-19 BR(1)

Report Date : 12/24/97

Lab Sample Number : 875359-015

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

1,2-Dichloropropane	< 0.48	0.48	1.5	ug/L	12/23/97	SW846 8260	
1,1-Dichloroethane	120	0.52	1.7	ug/L	12/23/97	SW846 8260	
1,3-Dichloropropane	< 0.54	0.54	1.7	ug/L	12/23/97	SW846 8260	
2,2-Dichloropropane	< 0.90	0.90	2.9	ug/L	12/23/97	SW846 8260	
1,1-Dichloropropene	< 0.52	0.52	1.7	ug/L	12/23/97	SW846 8260	
cis-1,3-Dichloropropene	< 0.96	0.96	3.1	ug/L	12/23/97	SW846 8260	
trans-1,3-Dichloropropene	< 0.90	0.90	2.9	ug/L	12/23/97	SW846 8260	
Diisopropyl ether	< 0.86	0.86	2.7	ug/L	12/23/97	SW846 8260	
Ethylbenzene	< 0.46	0.46	1.5	ug/L	12/23/97	SW846 8260	
Fluorotrichloromethane	< 0.58	0.58	1.8	ug/L	12/23/97	SW846 8260	
Hexachlorobutadiene	< 0.62	0.62	2.0	ug/L	12/23/97	SW846 8260	
Isopropylbenzene	< 0.54	0.54	1.7	ug/L	12/23/97	SW846 8260	
p-Isopropyltoluene	< 0.44	0.44	1.4	ug/L	12/23/97	SW846 8260	
Methylene chloride	1.3	0.44	1.4	ug/L	Q	12/23/97	SW846 8260
Methyl-tert-butyl-ether	< 1.1	1.1	3.5	ug/L	12/23/97	SW846 8260	
Naphthalene	< 1.3	1.3	4.1	ug/L	12/23/97	SW846 8260	
n-Propylbenzene	< 0.54	0.54	1.7	ug/L	12/23/97	SW846 8260	
Styrene	< 0.38	0.38	1.2	ug/L	12/23/97	SW846 8260	
1,1,2,2-Tetrachloroethane	< 0.92	0.92	2.9	ug/L	12/23/97	SW846 8260	
1,1,1,2-Tetrachloroethane	< 0.42	0.42	1.3	ug/L	12/23/97	SW846 8260	
Tetrachloroethene	< 0.54	0.54	1.7	ug/L	12/23/97	SW846 8260	
Toluene	< 0.56	0.56	1.8	ug/L	12/23/97	SW846 8260	
1,2,3-Trichlorobenzene	< 0.64	0.64	2.0	ug/L	12/23/97	SW846 8260	
1,2,4-Trichlorobenzene	< 0.96	0.96	3.1	ug/L	12/23/97	SW846 8260	
1,1,1-Trichloroethane	5.4	0.54	1.7	ug/L	12/23/97	SW846 8260	
1,1,2-Trichloroethane	< 0.60	0.60	1.9	ug/L	12/23/97	SW846 8260	
1,2,4-Trimethylbenzene	< 0.60	0.60	1.9	ug/L	12/23/97	SW846 8260	
Trichloroethene	280	0.40	1.3	ug/L	12/23/97	SW846 8260	
1,2,3-Trichloropropane	< 0.96	0.96	3.1	ug/L	12/23/97	SW846 8260	
1,3,5-Trimethylbenzene	< 0.50	0.50	1.6	ug/L	12/23/97	SW846 8260	
Vinyl chloride	2.8	0.46	1.5	ug/L	12/23/97	SW846 8260	
Xylenes, -m, -p	< 1.0	1.0	3.2	ug/L	12/23/97	SW846 8260	
Xylene, -o	< 0.56	0.56	1.8	ug/L	12/23/97	SW846 8260	
4-Bromofluorobenzene	106			%Recov	12/23/97	SW846 8260	
Dibromofluoromethane	100			%Recov	12/23/97	SW846 8260	



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### - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-19 BR(1)

Report Date : 12/24/97

Lab Sample Number : 875359-015

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

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Toluene-d8	96	%Recov	12/23/97	SW846 8260
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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORAINE ENVIRONMENTAL INC

Field ID : MW-19 BR(2)

Report Date : 12/23/97

Lab Sample Number : 875359-016

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

### Organic Results

EPA 8260 VOLATILE LIST- WATER		Prep Method: SW846 5030			Prep Date:	12/22/97	Analyst:	HW
Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.41	0.41	1.3		ug/L		12/22/97	SW846 8260
Bromobenzene	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
Bromochloromethane	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
Bromodichloromethane	< 0.18	0.18	0.57		ug/L		12/22/97	SW846 8260
Bromoform	< 0.31	0.31	0.99		ug/L		12/22/97	SW846 8260
Bromomethane	< 0.30	0.30	0.96		ug/L		12/22/97	SW846 8260
s-Butylbenzene	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
t-Butylbenzene	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
n-Butylbenzene	< 0.31	0.31	0.99		ug/L		12/22/97	SW846 8260
Carbon tetrachloride	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
Chloroform	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
Chlorobenzene	< 0.27	0.27	0.86		ug/L		12/22/97	SW846 8260
Chlorodibromomethane	< 0.23	0.23	0.73		ug/L		12/22/97	SW846 8260
Chloroethane	1.0	0.25	0.80		ug/L		12/22/97	SW846 8260
Chloromethane	< 0.15	0.15	0.48		ug/L		12/22/97	SW846 8260
2-Chlorotoluene	< 0.27	0.27	0.86		ug/L		12/22/97	SW846 8260
4-Chlorotoluene	< 0.30	0.30	0.96		ug/L		12/22/97	SW846 8260
1,2-Dibromo-3-chloropropane	< 0.58	0.58	1.8		ug/L		12/22/97	SW846 8260
1,2-Dibromoethane	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
Dibromomethane	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
1,3-Dichlorobenzene	< 0.28	0.28	0.89		ug/L		12/22/97	SW846 8260
1,4-Dichlorobenzene	< 0.29	0.29	0.92		ug/L		12/22/97	SW846 8260
1,2-Dichloroethane	< 0.24	0.24	0.76		ug/L		12/22/97	SW846 8260
1,2-Dichlorobenzene	< 0.32	0.32	1.0		ug/L		12/22/97	SW846 8260
1,1-Dichloroethene	0.86	0.28	0.89		ug/L	Q	12/22/97	SW846 8260
cis-1,2-Dichloroethene	4.5	0.28	0.89		ug/L		12/22/97	SW846 8260
Dichlorodifluoromethane	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260
trans-1,2-Dichloroethene	< 0.25	0.25	0.80		ug/L		12/22/97	SW846 8260



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## - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-19 BR(2)

Report Date : 12/23/97

Lab Sample Number : 875359-016

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

1,2-Dichloropropane	< 0.24	0.24	0.76	ug/L	12/22/97	SW846 8260	
1,1-Dichloroethane	15	0.26	0.83	ug/L	12/22/97	SW846 8260	
1,3-Dichloropropane	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260	
2,2-Dichloropropane	< 0.45	0.45	1.4	ug/L	12/22/97	SW846 8260	
1,1-Dichloropropene	< 0.26	0.26	0.83	ug/L	12/22/97	SW846 8260	
cis-1,3-Dichloropropene	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260	
trans-1,3-Dichloropropene	< 0.45	0.45	1.4	ug/L	12/22/97	SW846 8260	
Diisopropyl ether	< 0.43	0.43	1.4	ug/L	12/22/97	SW846 8260	
Ethylbenzene	< 0.23	0.23	0.73	ug/L	12/22/97	SW846 8260	
Fluorotrichloromethane	< 0.29	0.29	0.92	ug/L	12/22/97	SW846 8260	
Hexachlorobutadiene	< 0.31	0.31	0.99	ug/L	12/22/97	SW846 8260	
Isopropylbenzene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260	
p-Isopropyltoluene	< 0.22	0.22	0.70	ug/L	12/22/97	SW846 8260	
Methylene chloride	0.27	0.22	0.70	ug/L	Q	12/22/97	SW846 8260
Methyl-tert-butyl-ether	< 0.53	0.53	1.7	ug/L	12/22/97	SW846 8260	
Naphthalene	< 0.66	0.66	2.1	ug/L	12/22/97	SW846 8260	
n-Propylbenzene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260	
Styrene	< 0.19	0.19	0.61	ug/L	12/22/97	SW846 8260	
1,1,2,2-Tetrachloroethane	< 0.46	0.46	1.5	ug/L	12/22/97	SW846 8260	
1,1,1,2-Tetrachloroethane	< 0.21	0.21	0.67	ug/L	12/22/97	SW846 8260	
Tetrachloroethene	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260	
Toluene	0.38	0.28	0.89	ug/L	Q	12/22/97	SW846 8260
1,2,3-Trichlorobenzene	< 0.32	0.32	1.0	ug/L	12/22/97	SW846 8260	
1,2,4-Trichlorobenzene	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260	
1,1,1-Trichloroethane	< 0.27	0.27	0.86	ug/L	12/22/97	SW846 8260	
1,1,2-Trichloroethane	< 0.30	0.30	0.96	ug/L	12/22/97	SW846 8260	
1,2,4-Trimethylbenzene	< 0.30	0.30	0.96	ug/L	12/22/97	SW846 8260	
Trichloroethene	10	0.20	0.64	ug/L	12/22/97	SW846 8260	
1,2,3-Trichloropropane	< 0.48	0.48	1.5	ug/L	12/22/97	SW846 8260	
1,3,5-Trimethylbenzene	< 0.25	0.25	0.80	ug/L	12/22/97	SW846 8260	
Vinyl chloride	0.57	0.23	0.73	ug/L	Q	12/22/97	SW846 8260
Xylenes, -m, -p	< 0.51	0.51	1.6	ug/L	12/22/97	SW846 8260	
Xylene, -o	< 0.28	0.28	0.89	ug/L	12/22/97	SW846 8260	
4-Bromofluorobenzene	82			%Recov	12/22/97	SW846 8260	
Dibromofluoromethane	82			%Recov	12/22/97	SW846 8260	



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### - Analytical Report -

Project Name : TECUMSEH MONITORING

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : MW-19 BR(2)

Report Date : 12/23/97

Lab Sample Number : 875359-016

Collection Date : 12/18/97

WI DNR LAB ID : 405132750

Matrix Type : WATER

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Toluene-d8

79

%Recov

12/22/97

SW846 8260

Company Name: URBAN ENVIRONMENTAL, INC.

Branch or Location:

Project Contact: Steve DENTON (P.M.)

Telephone: 419-317-9060

Project Number: # 1177

Project Name: TE CUMSEN - GRAFTON

Project Location: GMFTON TECUMSEH OPERATIONS

Sampled By (Print): \_\_\_\_\_

Regulatory Program (*circle*):  NPDES/WPDES  CAA  Other \_\_\_\_\_  NR \_\_\_\_\_  RCRA  CLP  SDWA

NR720 Confirmation Analysis Required? (circle):  Y  N

*(En Chem will not confirm unless otherwise instructed.)*



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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**

14808

Page \_\_\_\_\_ of \_\_\_\_\_

P.O. #                          Quote #

Mail Report To: La 455

MEET

Company: MC  
Address: 1234 12<sup>TH</sup> AVE  
GRAFTON, WI 53024

Invoice To:

Справочник

Address:

Mail Invoice To

FIELD ID	SAMPLE DESCRIPTION PRIVATE WELL	COLLECTION		FIELD SCREEN	MATRIX	SHADED AREA FOR LABORATORY USE ONLY			
		DATE	TIME			GOOD COND.	TOTAL BOTTLES	COMMENTS	LABORATORY NUMBER
1335	Mrs. RAESS 1335 GREENBAY RD	1/9	10:40A	X		✓	3-40ml		001
1319	PRIVATE WELL HEISER 1319 GREENBAY RD.		10:20A			✓	3-40ml		002
1355	PRIVATE WELL WENDT/LAND 1355 GREENBAY RD.		9:15A			✓	3-40ml		003
TB	TRIP BLANK					✓	2-40ml		004

*Preservation Code		Relinquished By:	Date/Time:	Received By:	Date/Time:	En Chem Project No.
A=None	B=HCl	C=H2SO4	<i>John B. Smith 1/12/98 10:30</i>	<i>John B. Smith</i>	<i>1/12/98 10:30</i>	<i>880128</i>
D=HN03	E=EnCore	F=Methanol**	<i>John B. Smith 1/12/98 11:30</i>	<i>John B. Smith</i>	<i>1-12-98 11:30</i>	<i>802</i>
G=NaOH	O=Other (Indicate)		<i>John B. Smith 1-12-98 18:00</i>	<i>John B. Smith</i>	<i>1/12/98 18:00</i>	
**If not using En Chem's methanol, indicate volume of methanol added and mark the appropriate samples.		Relinquished By:	Date/Time:	Received By (En Chem):	Date/Time:	Sample Receipt pH (Wet/Metals)



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## - Analytical Report -

Project Name : TECUMSEH-GRAFTON

Project Number : 1177

Client: MORaine ENVIRONMENTAL INC

WI DNR LAB ID : 405132750

Report Date : 1/16/98

Sample No.	Field ID	Collection Date	Sample No.	Field ID	Collection Date
880128-001	1335	1/9/98			
880128-002	1319	1/9/98			
880128-003	1355	1/9/98			
880128-004	TRIP BLANK	1/9/98			

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.

Op Duranceau  
Approval Signature

1/16/98  
Date



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## - Analytical Report -

Project Name : TECUMSEH-GRAFTON

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : 1335

Report Date : 1/15/98

Lab Sample Number : 880128-001

Collection Date : 1/9/98

WI DNR LAB ID : 405132750

Matrix Type : WATER

## Organic Results

### EPA 8260 VOLATILE LIST- WATER

Analyte	Result	LOD	LOQ	EQL	Units	Code	Prep Date:	1/14/98	Analyst: JJB	Analysis Date	Analysis Method
Benzene	< 0.41	0.41	1.3		ug/L			1/14/98	SW846 8260		
Bromobenzene	< 0.29	0.29	0.92		ug/L			1/14/98	SW846 8260		
Bromochloromethane	< 0.29	0.29	0.92		ug/L			1/14/98	SW846 8260		
Bromodichloromethane	< 0.18	0.18	0.57		ug/L			1/14/98	SW846 8260		
Bromoform	< 0.31	0.31	0.99		ug/L			1/14/98	SW846 8260		
Bromomethane	< 0.30	0.30	0.96		ug/L			1/14/98	SW846 8260		
s-Butylbenzene	< 0.23	0.23	0.73		ug/L			1/14/98	SW846 8260		
t-Butylbenzene	< 0.24	0.24	0.76		ug/L			1/14/98	SW846 8260		
n-Butylbenzene	< 0.31	0.31	0.99		ug/L			1/14/98	SW846 8260		
Carbon tetrachloride	< 0.23	0.23	0.73		ug/L			1/14/98	SW846 8260		
Chloroform	< 0.25	0.25	0.80		ug/L			1/14/98	SW846 8260		
Chlorobenzene	< 0.27	0.27	0.86		ug/L			1/14/98	SW846 8260		
Chlorodibromomethane	< 0.23	0.23	0.73		ug/L			1/14/98	SW846 8260		
Chloroethane	< 0.25	0.25	0.80		ug/L			1/14/98	SW846 8260		
Chloromethane	< 0.15	0.15	0.48		ug/L			1/14/98	SW846 8260		
2-Chlorotoluene	< 0.27	0.27	0.86		ug/L			1/14/98	SW846 8260		
4-Chlorotoluene	< 0.30	0.30	0.96		ug/L			1/14/98	SW846 8260		
1,2-Dibromo-3-chloropropane	< 0.58	0.58	1.8		ug/L			1/14/98	SW846 8260		
1,2-Dibromoethane	< 0.24	0.24	0.76		ug/L			1/14/98	SW846 8260		
Dibromomethane	< 0.28	0.28	0.89		ug/L			1/14/98	SW846 8260		
1,3-Dichlorobenzene	< 0.28	0.28	0.89		ug/L			1/14/98	SW846 8260		
1,4-Dichlorobenzene	< 0.29	0.29	0.92		ug/L			1/14/98	SW846 8260		
1,2-Dichloroethane	< 0.24	0.24	0.76		ug/L			1/14/98	SW846 8260		
1,2-Dichlorobenzene	< 0.32	0.32	1.0		ug/L			1/14/98	SW846 8260		
1,1-Dichloroethene	< 0.28	0.28	0.89		ug/L			1/14/98	SW846 8260		
cis-1,2-Dichloroethene	< 0.28	0.28	0.89		ug/L			1/14/98	SW846 8260		
Dichlorodifluoromethane	0.43	0.25	0.80		ug/L	Q		1/14/98	SW846 8260		
trans-1,2-Dichloroethene	< 0.25	0.25	0.80		ug/L			1/14/98	SW846 8260		



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## - Analytical Report -

Project Name : TECUMSEH-GRAFTON

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : 1335

Report Date : 1/15/98

Lab Sample Number : 880128-001

Collection Date : 1/9/98

WI DNR LAB ID : 405132750

Matrix Type : WATER

1,2-Dichloropropane	< 0.24	0.24	0.76	ug/L		1/14/98	SW846 8260
1,1-Dichloroethane	0.75	0.26	0.83	ug/L	Q	1/14/98	SW846 8260
1,3-Dichloropropane	< 0.27	0.27	0.86	ug/L		1/14/98	SW846 8260
2,2-Dichloropropane	< 0.45	0.45	1.4	ug/L		1/14/98	SW846 8260
1,1-Dichloropropene	< 0.26	0.26	0.83	ug/L		1/14/98	SW846 8260
cis-1,3-Dichloropropene	< 0.48	0.48	1.5	ug/L		1/14/98	SW846 8260
trans-1,3-Dichloropropene	< 0.45	0.45	1.4	ug/L		1/14/98	SW846 8260
Diisopropyl ether	< 0.43	0.43	1.4	ug/L		1/14/98	SW846 8260
Ethylbenzene	< 0.23	0.23	0.73	ug/L		1/14/98	SW846 8260
Fluorotrichloromethane	< 0.29	0.29	0.92	ug/L		1/14/98	SW846 8260
Hexachlorobutadiene	< 0.31	0.31	0.99	ug/L		1/14/98	SW846 8260
Isopropylbenzene	< 0.27	0.27	0.86	ug/L		1/14/98	SW846 8260
p-Isopropyltoluene	< 0.22	0.22	0.70	ug/L		1/14/98	SW846 8260
Methylene chloride	< 0.22	0.22	0.70	ug/L		1/14/98	SW846 8260
Methyl-tert-butyl-ether	< 0.53	0.53	1.7	ug/L		1/14/98	SW846 8260
Naphthalene	< 0.66	0.66	2.1	ug/L		1/14/98	SW846 8260
n-Propylbenzene	< 0.27	0.27	0.86	ug/L		1/14/98	SW846 8260
Styrene	< 0.19	0.19	0.61	ug/L		1/14/98	SW846 8260
1,1,2,2-Tetrachloroethane	< 0.46	0.46	1.5	ug/L		1/14/98	SW846 8260
1,1,1,2-Tetrachloroethane	< 0.21	0.21	0.67	ug/L		1/14/98	SW846 8260
Tetrachloroethene	< 0.27	0.27	0.86	ug/L		1/14/98	SW846 8260
Toluene	< 0.28	0.28	0.89	ug/L		1/14/98	SW846 8260
1,2,3-Trichlorobenzene	< 0.32	0.32	1.0	ug/L		1/14/98	SW846 8260
1,2,4-Trichlorobenzene	< 0.48	0.48	1.5	ug/L		1/14/98	SW846 8260
1,1,1-Trichloroethane	0.83	0.27	0.86	ug/L	Q	1/14/98	SW846 8260
1,1,2-Trichloroethane	< 0.30	0.30	0.96	ug/L		1/14/98	SW846 8260
1,2,4-Trimethylbenzene	< 0.30	0.30	0.96	ug/L		1/14/98	SW846 8260
Trichloroethene	0.36	0.20	0.64	ug/L	Q	1/14/98	SW846 8260
1,2,3-Trichloropropane	< 0.48	0.48	1.5	ug/L		1/14/98	SW846 8260
1,3,5-Trimethylbenzene	< 0.25	0.25	0.80	ug/L		1/14/98	SW846 8260
Vinyl chloride	< 0.23	0.23	0.73	ug/L		1/14/98	SW846 8260
Xylenes, -m, -p	< 0.51	0.51	1.6	ug/L		1/14/98	SW846 8260
Xylene, -o	< 0.28	0.28	0.89	ug/L		1/14/98	SW846 8260
4-Bromofluorobenzene	113			%Recov		1/14/98	SW846 8260
Dibromofluoromethane	98			%Recov		1/14/98	SW846 8260



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### - Analytical Report -

Project Name : TECUMSEH-GRAFTON

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : 1335

Report Date : 1/15/98

Lab Sample Number : 880128-001

Collection Date : 1/9/98

WI DNR LAB ID : 405132750

Matrix Type : WATER

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Toluene-d8	116	%Recov	1/14/98	SW846 8260
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## - Analytical Report -

Project Name : TECUMSEH-GRAFTON

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : 1319

Report Date : 1/14/98

Lab Sample Number : 880128-002

Collection Date : 1/9/98

WI DNR LAB ID : 405132750

Matrix Type : WATER

## Organic Results

### EPA 8260 VOLATILE LIST- WATER

Prep Method: SW846 5030      Prep Date: 1/13/98      Analyst: JJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.41	0.41	1.3		ug/L		1/13/98	SW846 8260
Bromobenzene	< 0.29	0.29	0.92		ug/L		1/13/98	SW846 8260
Bromochloromethane	< 0.29	0.29	0.92		ug/L		1/13/98	SW846 8260
Bromodichloromethane	< 0.18	0.18	0.57		ug/L		1/13/98	SW846 8260
Bromoform	< 0.31	0.31	0.99		ug/L		1/13/98	SW846 8260
Bromomethane	< 0.30	0.30	0.96		ug/L		1/13/98	SW846 8260
s-Butylbenzene	< 0.23	0.23	0.73		ug/L		1/13/98	SW846 8260
t-Butylbenzene	< 0.24	0.24	0.76		ug/L		1/13/98	SW846 8260
n-Butylbenzene	< 0.31	0.31	0.99		ug/L		1/13/98	SW846 8260
Carbon tetrachloride	< 0.23	0.23	0.73		ug/L		1/13/98	SW846 8260
Chloroform	1.6	0.25	0.80		ug/L		1/13/98	SW846 8260
Chlorobenzene	< 0.27	0.27	0.86		ug/L		1/13/98	SW846 8260
Chlorodibromomethane	< 0.23	0.23	0.73		ug/L		1/13/98	SW846 8260
Chloroethane	< 0.25	0.25	0.80		ug/L		1/13/98	SW846 8260
Chloromethane	< 0.15	0.15	0.48		ug/L		1/13/98	SW846 8260
2-Chlorotoluene	< 0.27	0.27	0.86		ug/L		1/13/98	SW846 8260
4-Chlorotoluene	< 0.30	0.30	0.96		ug/L		1/13/98	SW846 8260
1,2-Dibromo-3-chloropropane	< 0.58	0.58	1.8		ug/L		1/13/98	SW846 8260
1,2-Dibromoethane	< 0.24	0.24	0.76		ug/L		1/13/98	SW846 8260
Dibromomethane	< 0.28	0.28	0.89		ug/L		1/13/98	SW846 8260
1,3-Dichlorobenzene	< 0.28	0.28	0.89		ug/L		1/13/98	SW846 8260
1,4-Dichlorobenzene	< 0.29	0.29	0.92		ug/L		1/13/98	SW846 8260
1,2-Dichloroethane	< 0.24	0.24	0.76		ug/L		1/13/98	SW846 8260
1,2-Dichlorobenzene	< 0.32	0.32	1.0		ug/L		1/13/98	SW846 8260
1,1-Dichloroethene	0.31	0.28	0.89		ug/L	Q	1/13/98	SW846 8260
cis-1,2-Dichloroethene	2.8	0.28	0.89		ug/L		1/13/98	SW846 8260
Dichlorodifluoromethane	< 0.25	0.25	0.80		ug/L		1/13/98	SW846 8260
trans-1,2-Dichloroethene	< 0.25	0.25	0.80		ug/L		1/13/98	SW846 8260



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## - Analytical Report -

Project Name : TECUMSEH-GRAFTON

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : 1319

Report Date : 1/14/98

Lab Sample Number : 880128-002

Collection Date : 1/9/98

WI DNR LAB ID : 405132750

Matrix Type : WATER

1,2-Dichloropropane	< 0.24	0.24	0.76	ug/L	1/13/98	SW846 8260	
1,1-Dichloroethane	3.0	0.26	0.83	ug/L	1/13/98	SW846 8260	
1,3-Dichloropropane	< 0.27	0.27	0.86	ug/L	1/13/98	SW846 8260	
2,2-Dichloropropane	< 0.45	0.45	1.4	ug/L	1/13/98	SW846 8260	
1,1-Dichloropropene	< 0.26	0.26	0.83	ug/L	1/13/98	SW846 8260	
cis-1,3-Dichloropropene	< 0.48	0.48	1.5	ug/L	1/13/98	SW846 8260	
trans-1,3-Dichloropropene	< 0.45	0.45	1.4	ug/L	1/13/98	SW846 8260	
Diisopropyl ether	< 0.43	0.43	1.4	ug/L	1/13/98	SW846 8260	
Ethylbenzene	< 0.23	0.23	0.73	ug/L	1/13/98	SW846 8260	
Fluorotrichloromethane	< 0.29	0.29	0.92	ug/L	1/13/98	SW846 8260	
Hexachlorobutadiene	< 0.31	0.31	0.99	ug/L	1/13/98	SW846 8260	
Isopropylbenzene	< 0.27	0.27	0.86	ug/L	1/13/98	SW846 8260	
p-Isopropyltoluene	< 0.22	0.22	0.70	ug/L	1/13/98	SW846 8260	
Methylene chloride	< 0.22	0.22	0.70	ug/L	1/13/98	SW846 8260	
Methyl-tert-butyl-ether	< 0.53	0.53	1.7	ug/L	1/13/98	SW846 8260	
Naphthalene	< 0.66	0.66	2.1	ug/L	1/13/98	SW846 8260	
n-Propylbenzene	< 0.27	0.27	0.86	ug/L	1/13/98	SW846 8260	
Styrene	< 0.19	0.19	0.61	ug/L	1/13/98	SW846 8260	
1,1,2,2-Tetrachloroethane	< 0.46	0.46	1.5	ug/L	1/13/98	SW846 8260	
1,1,1,2-Tetrachloroethane	< 0.21	0.21	0.67	ug/L	1/13/98	SW846 8260	
Tetrachloroethene	0.34	0.27	0.86	ug/L	Q	1/13/98	SW846 8260
Toluene	< 0.28	0.28	0.89	ug/L	1/13/98	SW846 8260	
1,2,3-Trichlorobenzene	< 0.32	0.32	1.0	ug/L	1/13/98	SW846 8260	
1,2,4-Trichlorobenzene	< 0.48	0.48	1.5	ug/L	1/13/98	SW846 8260	
1,1,1-Trichloroethane	2.1	0.27	0.86	ug/L	1/13/98	SW846 8260	
1,1,2-Trichloroethane	< 0.30	0.30	0.96	ug/L	1/13/98	SW846 8260	
1,2,4-Trimethylbenzene	< 0.30	0.30	0.96	ug/L	1/13/98	SW846 8260	
Trichloroethene	2.8	0.20	0.64	ug/L	1/13/98	SW846 8260	
1,2,3-Trichloropropane	< 0.48	0.48	1.5	ug/L	1/13/98	SW846 8260	
1,3,5-Trimethylbenzene	< 0.25	0.25	0.80	ug/L	1/13/98	SW846 8260	
Vinyl chloride	< 0.23	0.23	0.73	ug/L	1/13/98	SW846 8260	
Xylenes, -m, -p	< 0.51	0.51	1.6	ug/L	1/13/98	SW846 8260	
Xylene, -o	< 0.28	0.28	0.89	ug/L	1/13/98	SW846 8260	
4-Bromofluorobenzene	107			%Recov	1/13/98	SW846 8260	
Dibromofluoromethane	107			%Recov	1/13/98	SW846 8260	



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### - Analytical Report -

Project Name : TECUMSEH-GRAFTON

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : 1319

Report Date : 1/14/98

Lab Sample Number : 880128-002

Collection Date : 1/9/98

WI DNR LAB ID : 405132750

Matrix Type : WATER

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Toluene-d8	107	%Recov	1/13/98	SW846 8260
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## - Analytical Report -

Project Name : TECUMSEH-GRAFTON

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : 1355

Report Date : 1/14/98

Lab Sample Number : 880128-003

Collection Date : 1/9/98

WI DNR LAB ID : 405132750

Matrix Type : WATER

## Organic Results

EPA 8260 VOLATILE LIST- WATER		Prep Method: SW846 5030			Prep Date:	1/13/98	Analyst:	JJB
Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.41	0.41	1.3		ug/L		1/13/98	SW846 8260
Bromobenzene	< 0.29	0.29	0.92		ug/L		1/13/98	SW846 8260
Bromochloromethane	< 0.29	0.29	0.92		ug/L		1/13/98	SW846 8260
Bromodichloromethane	< 0.18	0.18	0.57		ug/L		1/13/98	SW846 8260
Bromoform	< 0.31	0.31	0.99		ug/L		1/13/98	SW846 8260
Bromomethane	< 0.30	0.30	0.96		ug/L		1/13/98	SW846 8260
s-Butylbenzene	< 0.23	0.23	0.73		ug/L		1/13/98	SW846 8260
t-Butylbenzene	< 0.24	0.24	0.76		ug/L		1/13/98	SW846 8260
n-Butylbenzene	< 0.31	0.31	0.99		ug/L		1/13/98	SW846 8260
Carbon tetrachloride	< 0.23	0.23	0.73		ug/L		1/13/98	SW846 8260
Chloroform	< 0.25	0.25	0.80		ug/L		1/13/98	SW846 8260
Chlorobenzene	< 0.27	0.27	0.86		ug/L		1/13/98	SW846 8260
Chlorodibromomethane	< 0.23	0.23	0.73		ug/L		1/13/98	SW846 8260
Chloroethane	< 0.25	0.25	0.80		ug/L		1/13/98	SW846 8260
Chloromethane	< 0.15	0.15	0.48		ug/L		1/13/98	SW846 8260
2-Chlorotoluene	< 0.27	0.27	0.86		ug/L		1/13/98	SW846 8260
4-Chlorotoluene	< 0.30	0.30	0.96		ug/L		1/13/98	SW846 8260
1,2-Dibromo-3-chloropropane	< 0.58	0.58	1.8		ug/L		1/13/98	SW846 8260
1,2-Dibromoethane	< 0.24	0.24	0.76		ug/L		1/13/98	SW846 8260
Dibromomethane	< 0.28	0.28	0.89		ug/L		1/13/98	SW846 8260
1,3-Dichlorobenzene	< 0.28	0.28	0.89		ug/L		1/13/98	SW846 8260
1,4-Dichlorobenzene	< 0.29	0.29	0.92		ug/L		1/13/98	SW846 8260
1,2-Dichloroethane	< 0.24	0.24	0.76		ug/L		1/13/98	SW846 8260
1,2-Dichlorobenzene	< 0.32	0.32	1.0		ug/L		1/13/98	SW846 8260
1,1-Dichloroethene	< 0.28	0.28	0.89		ug/L		1/13/98	SW846 8260
cis-1,2-Dichloroethene	< 0.28	0.28	0.89		ug/L		1/13/98	SW846 8260
Dichlorodifluoromethane	< 0.25	0.25	0.80		ug/L		1/13/98	SW846 8260
trans-1,2-Dichloroethene	< 0.25	0.25	0.80		ug/L		1/13/98	SW846 8260



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## - Analytical Report -

Project Name : TECUMSEH-GRAFTON

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : 1355

Report Date : 1/14/98

Lab Sample Number : 880128-003

Collection Date : 1/9/98

WI DNR LAB ID : 405132750

Matrix Type : WATER

1,2-Dichloropropane	< 0.24	0.24	0.76	ug/L	1/13/98	SW846 8260
1,1-Dichloroethane	2.0	0.26	0.83	ug/L	1/13/98	SW846 8260
1,3-Dichloropropane	< 0.27	0.27	0.86	ug/L	1/13/98	SW846 8260
2,2-Dichloropropane	< 0.45	0.45	1.4	ug/L	1/13/98	SW846 8260
1,1-Dichloropropene	< 0.26	0.26	0.83	ug/L	1/13/98	SW846 8260
cis-1,3-Dichloropropene	< 0.48	0.48	1.5	ug/L	1/13/98	SW846 8260
trans-1,3-Dichloropropene	< 0.45	0.45	1.4	ug/L	1/13/98	SW846 8260
Diisopropyl ether	< 0.43	0.43	1.4	ug/L	1/13/98	SW846 8260
Ethylbenzene	< 0.23	0.23	0.73	ug/L	1/13/98	SW846 8260
Fluorotrichloromethane	< 0.29	0.29	0.92	ug/L	1/13/98	SW846 8260
Hexachlorobutadiene	< 0.31	0.31	0.99	ug/L	1/13/98	SW846 8260
Isopropylbenzene	< 0.27	0.27	0.86	ug/L	1/13/98	SW846 8260
p-Isopropyltoluene	< 0.22	0.22	0.70	ug/L	1/13/98	SW846 8260
Methylene chloride	< 0.22	0.22	0.70	ug/L	1/13/98	SW846 8260
Methyl-tert-butyl-ether	< 0.53	0.53	1.7	ug/L	1/13/98	SW846 8260
Naphthalene	< 0.66	0.66	2.1	ug/L	1/13/98	SW846 8260
n-Propylbenzene	< 0.27	0.27	0.86	ug/L	1/13/98	SW846 8260
Styrene	< 0.19	0.19	0.61	ug/L	1/13/98	SW846 8260
1,1,2,2-Tetrachloroethane	< 0.46	0.46	1.5	ug/L	1/13/98	SW846 8260
1,1,1,2-Tetrachloroethane	< 0.21	0.21	0.67	ug/L	1/13/98	SW846 8260
Tetrachloroethene	< 0.27	0.27	0.86	ug/L	1/13/98	SW846 8260
Toluene	< 0.28	0.28	0.89	ug/L	1/13/98	SW846 8260
1,2,3-Trichlorobenzene	< 0.32	0.32	1.0	ug/L	1/13/98	SW846 8260
1,2,4-Trichlorobenzene	< 0.48	0.48	1.5	ug/L	1/13/98	SW846 8260
1,1,1-Trichloroethane	2.0	0.27	0.86	ug/L	1/13/98	SW846 8260
1,1,2-Trichloroethane	< 0.30	0.30	0.96	ug/L	1/13/98	SW846 8260
1,2,4-Trimethylbenzene	< 0.30	0.30	0.96	ug/L	1/13/98	SW846 8260
Trichloroethene	1.5	0.20	0.64	ug/L	1/13/98	SW846 8260
1,2,3-Trichloropropane	< 0.48	0.48	1.5	ug/L	1/13/98	SW846 8260
1,3,5-Trimethylbenzene	< 0.25	0.25	0.80	ug/L	1/13/98	SW846 8260
Vinyl chloride	< 0.23	0.23	0.73	ug/L	1/13/98	SW846 8260
Xylenes, -m, -p	< 0.51	0.51	1.6	ug/L	1/13/98	SW846 8260
Xylene, -o	< 0.28	0.28	0.89	ug/L	1/13/98	SW846 8260
4-Bromofluorobenzene	109			%Recov	1/13/98	SW846 8260
Dibromofluoromethane	109			%Recov	1/13/98	SW846 8260



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### - Analytical Report -

Project Name : TECUMSEH-GRAFTON

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : 1355

Report Date : 1/14/98

Lab Sample Number : 880128-003

Collection Date : 1/9/98

WI DNR LAB ID : 405132750

Matrix Type : WATER

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Toluene-d8	107	%Recov	1/13/98	SW846 8260
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## - Analytical Report -

Project Name : TECUMSEH-GRAFTON

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : TRIP BLANK

Report Date : 1/14/98

Lab Sample Number : 880128-004

Collection Date : 1/9/98

WI DNR LAB ID : 405132750

Matrix Type : WATER

## Organic Results

EPA 8260 VOLATILE LIST- WATER		Prep Method: SW846 5030			Prep Date:	1/13/98	Analyst:	JJB
Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
Benzene	< 0.41	0.41	1.3		ug/L		1/13/98	SW846 8260
Bromobenzene	< 0.29	0.29	0.92		ug/L		1/13/98	SW846 8260
Bromochloromethane	< 0.29	0.29	0.92		ug/L		1/13/98	SW846 8260
Bromodichloromethane	< 0.18	0.18	0.57		ug/L		1/13/98	SW846 8260
Bromoform	< 0.31	0.31	0.99		ug/L		1/13/98	SW846 8260
Bromomethane	< 0.30	0.30	0.96		ug/L		1/13/98	SW846 8260
s-Butylbenzene	< 0.23	0.23	0.73		ug/L		1/13/98	SW846 8260
t-Butylbenzene	< 0.24	0.24	0.76		ug/L		1/13/98	SW846 8260
n-Butylbenzene	< 0.31	0.31	0.99		ug/L		1/13/98	SW846 8260
Carbon tetrachloride	< 0.23	0.23	0.73		ug/L		1/13/98	SW846 8260
Chloroform	< 0.25	0.25	0.80		ug/L		1/13/98	SW846 8260
Chlorobenzene	< 0.27	0.27	0.86		ug/L		1/13/98	SW846 8260
Chlorodibromomethane	< 0.23	0.23	0.73		ug/L		1/13/98	SW846 8260
Chloroethane	< 0.25	0.25	0.80		ug/L		1/13/98	SW846 8260
Chloromethane	< 0.15	0.15	0.48		ug/L		1/13/98	SW846 8260
2-Chlorotoluene	< 0.27	0.27	0.86		ug/L		1/13/98	SW846 8260
4-Chlorotoluene	< 0.30	0.30	0.96		ug/L		1/13/98	SW846 8260
1,2-Dibromo-3-chloropropane	< 0.58	0.58	1.8		ug/L		1/13/98	SW846 8260
1,2-Dibromoethane	< 0.24	0.24	0.76		ug/L		1/13/98	SW846 8260
Dibromomethane	< 0.28	0.28	0.89		ug/L		1/13/98	SW846 8260
1,3-Dichlorobenzene	< 0.28	0.28	0.89		ug/L		1/13/98	SW846 8260
1,4-Dichlorobenzene	< 0.29	0.29	0.92		ug/L		1/13/98	SW846 8260
1,2-Dichloroethane	< 0.24	0.24	0.76		ug/L		1/13/98	SW846 8260
1,2-Dichlorobenzene	< 0.32	0.32	1.0		ug/L		1/13/98	SW846 8260
1,1-Dichloroethene	< 0.28	0.28	0.89		ug/L		1/13/98	SW846 8260
cis-1,2-Dichloroethene	< 0.28	0.28	0.89		ug/L		1/13/98	SW846 8260
Dichlorodifluoromethane	< 0.25	0.25	0.80		ug/L		1/13/98	SW846 8260
trans-1,2-Dichloroethene	< 0.25	0.25	0.80		ug/L		1/13/98	SW846 8260



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800-7-ENCHEM  
FAX: 920-469-8827

## - Analytical Report -

Project Name : TECUMSEH-GRAFTON

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : TRIP BLANK

Report Date : 1/14/98

Lab Sample Number : 880128-004

Collection Date : 1/9/98

WI DNR LAB ID : 405132750

Matrix Type : WATER

1,2-Dichloropropane	< 0.24	0.24	0.76	ug/L	1/13/98	SW846 8260
1,1-Dichloroethane	< 0.26	0.26	0.83	ug/L	1/13/98	SW846 8260
1,3-Dichloropropane	< 0.27	0.27	0.86	ug/L	1/13/98	SW846 8260
2,2-Dichloropropane	< 0.45	0.45	1.4	ug/L	1/13/98	SW846 8260
1,1-Dichloropropene	< 0.26	0.26	0.83	ug/L	1/13/98	SW846 8260
cis-1,3-Dichloropropene	< 0.48	0.48	1.5	ug/L	1/13/98	SW846 8260
trans-1,3-Dichloropropene	< 0.45	0.45	1.4	ug/L	1/13/98	SW846 8260
Diisopropyl ether	< 0.43	0.43	1.4	ug/L	1/13/98	SW846 8260
Ethylbenzene	< 0.23	0.23	0.73	ug/L	1/13/98	SW846 8260
Fluorotrichloromethane	< 0.29	0.29	0.92	ug/L	1/13/98	SW846 8260
Hexachlorobutadiene	< 0.31	0.31	0.99	ug/L	1/13/98	SW846 8260
Isopropylbenzene	< 0.27	0.27	0.86	ug/L	1/13/98	SW846 8260
p-Isopropyltoluene	< 0.22	0.22	0.70	ug/L	1/13/98	SW846 8260
Methylene chloride	< 0.22	0.22	0.70	ug/L	1/13/98	SW846 8260
Methyl-tert-butyl-ether	< 0.53	0.53	1.7	ug/L	1/13/98	SW846 8260
Naphthalene	< 0.66	0.66	2.1	ug/L	1/13/98	SW846 8260
n-Propylbenzene	< 0.27	0.27	0.86	ug/L	1/13/98	SW846 8260
Styrene	< 0.19	0.19	0.61	ug/L	1/13/98	SW846 8260
1,1,2,2-Tetrachloroethane	< 0.46	0.46	1.5	ug/L	1/13/98	SW846 8260
1,1,1,2-Tetrachloroethane	< 0.21	0.21	0.67	ug/L	1/13/98	SW846 8260
Tetrachloroethene	< 0.27	0.27	0.86	ug/L	1/13/98	SW846 8260
Toluene	< 0.28	0.28	0.89	ug/L	1/13/98	SW846 8260
1,2,3-Trichlorobenzene	< 0.32	0.32	1.0	ug/L	1/13/98	SW846 8260
1,2,4-Trichlorobenzene	< 0.48	0.48	1.5	ug/L	1/13/98	SW846 8260
1,1,1-Trichloroethane	< 0.27	0.27	0.86	ug/L	1/13/98	SW846 8260
1,1,2-Trichloroethane	< 0.30	0.30	0.96	ug/L	1/13/98	SW846 8260
1,2,4-Trimethylbenzene	< 0.30	0.30	0.96	ug/L	1/13/98	SW846 8260
Trichloroethene	< 0.20	0.20	0.64	ug/L	1/13/98	SW846 8260
1,2,3-Trichloropropane	< 0.48	0.48	1.5	ug/L	1/13/98	SW846 8260
1,3,5-Trimethylbenzene	< 0.25	0.25	0.80	ug/L	1/13/98	SW846 8260
Vinyl chloride	< 0.23	0.23	0.73	ug/L	1/13/98	SW846 8260
Xylenes, -m, -p	< 0.51	0.51	1.6	ug/L	1/13/98	SW846 8260
Xylene, -o	< 0.28	0.28	0.89	ug/L	1/13/98	SW846 8260
4-Bromofluorobenzene	106			%Recov	1/13/98	SW846 8260
Dibromofluoromethane	108			%Recov	1/13/98	SW846 8260



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### - Analytical Report -

Project Name : TECUMSEH-GRAFTON

Project Number : 1177

Client : MORaine ENVIRONMENTAL INC

Field ID : TRIP BLANK

Report Date : 1/14/98

Lab Sample Number : 880128-004

Collection Date : 1/9/98

WI DNR LAB ID : 405132750

Matrix Type : WATER

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Toluene-d8	107	%Recov	1/13/98	SW846 8260
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**ATTACHMENT B**

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

**TECUMSEH MONITORING  
GRAFTON FACILITY  
GROUNDWATER LABORATORY RESULTS**  
(Detected Compounds Only - 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	Wendland Residence	Heiser Residence	Enforcement Standards	Preventive Action Limits
Sampling Date	7/7/97	7/1/97	7/7/97	7/8/97	7/7/97	7/2/97	7/2/97	7/2/97	7/2/97	7/1/97	7/7/97	7/7/97	7/7/97	7/7/97	7/7/97	7/8/97		
Benzene	<0.41	<b>0.63</b>	<4.1	<2.0	<1.0	<0.40	<0.40	<0.40	<0.40	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	5	0.5
sec-Butylbenzene	<0.23	<0.23	<2.3	<1.2	<0.58	<0.49	<0.49	<0.49	<0.49	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	NSE	NSE
n-Butyl-Benzene	<0.31	<0.31	<3.1	<1.6	<0.78	<0.34	<0.34	<0.34	<0.34	<0.31	<0.31	<.31	<0.31	<0.31	<0.31	<0.31	NSE	NSE
Chloroform	<0.25	<0.25	<2.5	<1.2	<0.62	<0.50	<0.50	<0.50	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<b>0.97</b>	6.0	0.6
1,2-Dichloroethane	<0.24	<b>2.2</b>	<2.4	<1.2	<0.60	<0.47	<0.47	<0.47	<0.47	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	5	0.5
1,1-Dichloroethene	<b>23</b>	<0.28	<b>36</b>	<b>8.8</b>	<b>23</b>	<b>0.79</b>	6.4	<b>18</b>	<b>0.78</b>	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	7.0	0.7
cis-1,2-Dichloroethene	<b>40</b>	3.6	<b>840</b>	4.6	<b>30</b>	2.6	<b>22</b>	<b>52</b>	2.7	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	0.67	70	7.0
trans-1,2-Dichloroethene	0.68	1.2	8.6	<1.2	<0.62	<0.55	0.57	1.2	<0.55	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	100	20
1,1-Dichloroethane	<b>130</b>	<b>130</b>	<b>130</b>	22	<b>86</b>	5.3	38	<b>140</b>	2.7	<0.26	<0.26	<0.26	<0.26	<0.26	1.4	0.68	850	85
Ethyl Benzene	<0.23	<0.23	<2.3	<1.2	<0.58	<0.40	<.040	<0.40	<0.40	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	700	140
Isopropyl Benzene	<0.27	1.5	<2.7	<1.4	<0.68	<0.33	<0.33	<0.33	<0.33	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	NSE	NSE
p-Isopropyl Toluene	<0.22	<0.22	<2.2	<1.1	<0.55	<0.43	<0.43	<0.43	<0.43	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	NSE	NSE
Methylene Chloride	<0.22	<0.22	<2.2	<1.1	<0.55	<0.42	<0.42	<0.42	<0.42	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	5	0.5
Methyl-Tert-Butyl-Ether	<0.53	<0.53	<5.3	<2.6	<1.3	NA	NA	NA	NA	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	60	12
Naphthalene	<0.66	<0.66	<6.6	<3.3	<1.7	<0.44	<0.44	<0.44	<0.44	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	40	8
n-Propylbenzene	<0.27	0.54	<2.7	<1.4	<0.68	<0.41	<0.41	<0.41	<0.41	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	NSE	NSE
Toluene	0.50	0.58	<2.8	<1.4	<0.70	<0.32	<0.32	<0.32	<0.32	<0.28	0.36	<0.28	<0.28	<0.28	<0.28	<0.28	343	68.6
1,1,1-Trichloroethane	<b>79</b>	29	<b>500</b>	<b>140</b>	<b>250</b>	<0.43	37	<0.43	<0.43	<0.27	<0.27	<0.27	<0.27	<0.27	1.5	<0.27	200	40
1,2,4-Trimethylbenzene	<0.30	<0.30	<3.0	<1.5	<0.75	<0.50	<0.50	<0.50	<0.50	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	NSE	NSE
Trichloroethene	<b>170</b>	<b>2.9</b>	<b>1500</b>	<b>570</b>	<b>200</b>	<b>5.8</b>	<b>38</b>	<b>350</b>	<b>4.7</b>	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<b>0.92</b>	5.0	0.5
1,3,5-Trimethylbenzene	<0.25	<0.25	<2.5	<1.2	<0.62	<0.56	<0.56	<0.56	<0.56	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	NSE	NSE
Vinyl Chloride	<b>1.1</b>	<b>2.4</b>	<2.3	<1.2	<b>1.1</b>	<0.63	<0.63	<b>4.6</b>	<b>1.8</b>	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	0.2	0.02
Xylene, Total	<0.51	<0.51	<5.1	<2.5	<1.3	<0.65	<0.65	<0.65	<0.65	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	620	124

KEY: NA - Not Analyzed  
NSE - No Standard Established  
Bold - Exceeds PAL  
Bold and Shaded - Exceeds ES

ES - Enforcement Standard  
PAL - Preventive Action Limit  
All results reported in ug/l (equivalent to parts per billion)

Project Number: 3084.18  
 Sample Collection Date: December 1, 1994  
 Chain-of-Custody Number: 053741

TABLE 23  
 LABORATORY RESULTS FOR SAMPLING  
 OF RESIDENTIAL WELLS IN GRAFTON, WISCONSIN ( $\mu\text{g/L}$ )  
 TECUMSEH PRODUCTS COMPANY

Parameter	Date	Station I.D. (name of resident)							PAL	ES
		Trip Blank <sup>1</sup>	PW-36 (Groth)	PW-5 (Raess)	PW-38 (Lauer)	PW-101 (Thiele)	PW-102 (Thiele)	PW-30 (Heiser)		
Acetone	12/1 12/19	7.2 5.0 B(4)	--	--	--	--	12	--	--	200 1,000
Methylene chloride	12/1 12/19	0.3 Q 0.2 Q	0.1 Q --	--	--	--	--	--	0.2 Q	0.5 5
1,1,1-Trichloroethane	12/1 12/19	-- --	0.3 Q 0.3 Q	0.9 0.6	1.8 1.0	--	--	2.3 2.1	--	40 200
1,1-Dichloroethane	12/1 12/19	-- --	-- 0.1 Q	0.7 0.4 Q	0.5 Q 0.2 Q	--	--	2.8 2.3	--	85 850
Trichloroethene	12/1 12/19	-- --	-- --	0.5 Q 0.3 Q	1.1 0.7	--	0.1 Q	1.4 1.4	--	0.5 5
Chloroform	12/1 12/19	-- --	-- --	-- --	-- 0.1 Q	0.1 Q	--	0.5 0.4 Q	--	0.6 6
Benzene	12/1 12/19	-- --	-- --	-- --	0.4 Q 0.5 Q	--	--	--	--	0.5 5
1,1-Dichloroethene	12/1 12/19	-- --	-- --	-- --	-- --	--	--	0.2 Q 0.2 Q	--	0.7 7
cis-1,2-Dichloroethene	12/1 12/19	-- --	-- --	-- --	-- --	--	--	2.0 1.9	--	7 70
Tetrachloroethene	12/1 12/19	-- --	-- --	-- --	-- --	--	--	0.2 Q 0.2 Q	--	0.5 5
4-Methyl-2-pentanone	12/1 12/19	-- --	-- --	-- --	-- --	--	2.8 Q	--	--	50 500

NOTES:

<sup>1</sup> Toluene was also detected at 0.06  $\mu\text{g/L}$  Q in the December 19, 1994, sampling round.

B(4) Analyte was present in the method blank. If the processes that were applied to the sample were applied to the method blank, the value of the analyte (acetone) in the method blank would likely be 4  $\mu\text{g/L}$ .

Q Concentration reported is greater than the Method Detection Limit, but less than the Practical Quantitation Limit (i.e., the presence of the constituent concentration is not certain).

ES Enforcement Standard (ES)

PAL Preventive Action Limit (PAL)

-- Not detected.

TABLE 18

SUMMARY OF VOCs DETECTED IN ON-SITE GROUNDWATER ALONG THE EASTERN PROPERTY LINE ( $\mu\text{g/L}$ )<sup>1</sup>  
TECUMSEH PRODUCTS COMPANY

Well I.D.	Sample Date	1,1-DCE	1,1-DCA	cis-1,2-DCE	trans-1,2-DCE	1,1,1-TCA	TCE	Vinyl Chloride	Toluene	Ethyl-benzene	Xylenes (total)	Naphthalene	Ethene	Ethane	Methane	Other Parameters Detected
<b>Eastern Property Line</b>																
MW-3	8-25-94	< 1.0	< 1.0	< 1.0	< 1.0	39	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 5.0	NA	NA	NA	No
	6-4-96	< 1.0	< 1.0	< 1.0	< 1.0	10	< 1.0	< 1.0	< 1.0	< 1.0	< 3.0	< 5.0	NA	NA	NA	No
MW-3D	8-25-94	24	7.2	6.8	< 5.0	21	88	6.1	< 5.0	54	18	< 25	NA	NA	NA	Yes <sup>2</sup>
	12-14-94	12	9.8	< 5.0	< 5.0	28	27	5.8	< 5.0	< 5.0	< 15	< 25	NA	NA	NA	Yes <sup>2</sup>
	6-5-96	< 10	130	20	< 10	26	15	17	< 10	< 10	< 30	< 50	NA	NA	NA	No
	12-4-96	6.7	22	8.0	< 1.0	< 1.0	55	6.9	< 1.0	< 1.0	< 2.0	< 2.0	0.3	10.9	< 6.0	No
MW-3BR1	12-14-94	13	65	45	< 5.0	120	88	< 5.0	< 5.0	< 5.0	< 15	< 25	NA	NA	NA	No
	8-30-95	< 5.0	25	26	< 5.0	45	42	< 5.0	< 5.0	< 5.0	< 15	< 25	NA	NA	NA	No
	6-11-96 <sup>3</sup>	13	47 D	56 D	< 1.0	75 D	100 D	3.0	1.6	< 1.0	< 3.0	< 5.0	NA	NA	NA	Yes <sup>2</sup>
	6-11-96 <sup>3</sup>	14	49 D	58 D	< 1.0	78 D	110 D	2.4	< 1.0	< 1.0	< 3.0	< 5.0	NA	NA	NA	No
MW-3BR2	12-14-94	56	190	20	< 10	140	310	< 10	< 10	< 10	< 30	< 50	NA	NA	NA	No
	8-30-95	< 10	48	< 10	< 10	29	100	< 10	< 10	< 10	< 30	< 50	NA	NA	NA	No
	6-11-96	32	130 D	37	< 1.0	98 D	220 D	2.0	2.0	< 1.0	< 3.0	< 5.0	NA	NA	NA	No
	12-5-96 <sup>3</sup>	29	130	48	< 5.0	< 5.0	220	< 10	< 5.0	< 5.0	< 10	< 10	0.4	19.4	No	
	12-5-96 <sup>3</sup>	27	130	47	0.8 Q	82	210	1.3 Q	< 1.0	< 1.0	< 2.0	< 2.0	NA	NA	NA	No
MW-3BR3	12-14-94	8.6	39	25	< 5.0	28	270	< 5.0	< 5.0	< 5.0	< 15	< 25	NA	NA	NA	No
	8-30-95	< 5.0	31	15	< 5.0	16	170	< 5.0	< 5.0	< 5.0	< 15	< 25	NA	NA	NA	No
	6-11-96	33	58 D	19	< 1.0	110 D	250 D	1.3	2.2	< 1.0	< 3.0	< 5.0	NA	NA	NA	No
MW-9	8-24-94	< 100	100	1,500	< 100	530	3,000	< 100	< 100	< 100	< 300	< 500	NA	NA	NA	No
	6-4-96	180	190	1,200	< 100	1,100	1,900	< 100	< 100	< 100	< 300	< 500	NA	NA	NA	No
	12-4-96	51 Q	< 100	2,700	< 100	1,100	2,800	< 200	< 100	< 100	< 200	< 200	< 0.1	< 0.1	< 6.0	No
MW-9D	8-24-94	< 100	290	330	< 100	700	1,200	< 100	< 100	< 100	< 300	< 500	NA	NA	NA	No
	12-14-94	< 50	94	680	< 50	350	1,400	< 50	< 50	< 50	< 150	< 250	NA	NA	NA	No
	6-5-96	230	630	400	< 100	1,700	1,200	< 100	< 100	< 100	< 300	< 500	NA	NA	NA	No
MW-12	12-14-94	61	150	< 50	< 50	490	3,000	< 50	< 50	< 50	< 150	< 250	NA	NA	NA	No
	6-4-96 <sup>3</sup>	< 20	< 20	< 20	< 20	77	590	< 20	< 20	< 20	< 60	< 100	NA	NA	NA	No
	6-4-96 <sup>3</sup>	< 50	< 50	< 50	< 50	100	680	< 50	< 50	< 50	< 150	< 250	NA	NA	NA	No
	12-4-96	89	230 E	28	0.5 Q	650 E	1,600	1.0 Q	< 1.0	< 1.0	< 2.0	< 2.0	0.5	< 0.1	< 6.0	No
MW-12BR	12-14-94	35	180	< 10	< 10	580	84	< 10	< 10	< 10	< 30	< 50	NA	NA	NA	No
	8-30-95	180	620 D	75	< 10	1,900 D	320	< 10	< 10	< 10	< 30	< 50	NA	NA	NA	No
	6-4-95	51	130	< 20	< 20	400	480	< 20	< 20	< 20	< 60	< 100	NA	NA	NA	No
MW-13BR1	12-14-94	70	190	22	< 10	530	270	< 10	< 10	< 10	< 30	< 50	NA	NA	NA	No
	8-30-95	< 10	110	< 10	< 10	210	80	< 10	< 10	< 10	< 30	< 50	NA	NA	NA	No
	6-11-96	130 D	< 1.0	70 D	< 1.0	1,100 D	250 D	3.5	1.7	< 1.0	< 3.0	< 5.0	NA	NA	NA	Yes <sup>2</sup>
MW-13BR2	12-14-94	53	130	33	< 10	410	350	< 10	< 10	< 10	< 30	< 50	NA	NA	NA	No
	8-30-95	< 10	< 10	52	< 10	< 10	320	< 10	< 10	< 10	< 30	< 50	NA	NA	NA	No
	6-10-96 <sup>3</sup>	27	68 D	100 D	2.6	240 D	700 D	5.6	1.8	< 1.0	< 3.0	< 5.0	NA	NA	NA	Yes <sup>2</sup>
	6-10-96 <sup>3</sup>	31	72 D	110 D	3.0	250 D	700 D	6.0	1.8	< 1.0	< 3.0	< 5.0	NA	NA	NA	Yes <sup>2</sup>
	12-5-96	52	130	120	< 10	470	710	< 20	< 10	< 10	< 20	< 20	1.2	0.1	125.9	No
MW-13BR3	12-14-94	78	210	21	< 20	620	300	< 20	< 20	< 20	< 60	< 100	NA	NA	NA	No
	8-30-95	< 20	< 20	42	< 20	< 20	440	< 20	< 20	< 20	< 60	< 100	NA	NA	NA	No
	6-10-96 <sup>3</sup>	< 20	< 20	66	< 20	< 20	560	< 20	< 20	< 20	< 60	< 100	NA	NA	NA	No
	6-10-96 <sup>3</sup>	1.4	1.5	59 D	1.7	2.1	480 D	1.8	2.0	< 1.0	< 3.0	< 5.0	NA	NA	NA	No
INR 140 Enforcement Standard		7	850	70	100	200	5	0.2	343	700	620	40	NS	NS	NS	—
INR 140 Preventive Action Limit		0.7	85	7	20	40	0.5	0.02	68.6	140	124	8	NS	NS	NS	—

NOTES: THIS FORM IS TO BE USED IN CONJUNCTION WITH THE STANAG ND-142-N-1 FORM FOR RECORDING INFORMATION

This table includes only those compounds listed in NR 140 that were detected. Other compounds detected in the on-site groundwater include the following:

Other compounds detected in the on-site groundwater include the following:

Well MW-3D: 1,2,4-trimethylbenzene at 30 µg/L (8-25-94) and  
Well MW-3BB1: chloroethane at 1.2 µg/l (6-11-96)

Well MW-3BR1; Well MW-13BR2;

Duplicate samples

**BOLD**      Bolded values indicate constituent

D Analyte value from diluted analysis.

**Estimated concentration; analyte concentration exceeds calibration range**  
Qualitative result or total evidence of analyte present; concentration is estimated.

Qualitative mass spectral evidence of analyte present; concentration is less than the reporting limit.

DCE dichloroethe  
DCA dichloroetha

DCA dichloroethane  
TCA trichloroethane

TCA trichloroethane  
TCE trichloroethylene

NA Not analyzed

NA Not analyzed  
NS No standard or i

RS No standard or limit specified by NR

TABLE 21

**SUMMARY OF VOCs DETECTED IN DOWNGRADIENT GROUNDWATER ( $\mu\text{g/L}$ )<sup>1</sup>**  
**TECUMSEH PRODUCTS COMPANY**

Well I.D.	Sample Date	Vinyl Chloride	1,1-Dichloroethene	1,1-Dichloroethane	cis-1,2-Dichloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Ethene	Ethane	Methane
MW-14BR	12-14-94	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA
	6-5-96	< 2.0	< 1.0	< 1.0	< 1.0	1.5	1.3	< 1.0	NA	NA	NA
MW-15BR1	12-14-94	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.5	NA	NA	NA
	6-10-96	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA
MW-15BR2	12-14-94	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.6	NA	NA	NA
	6-10-96	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA
MW-18BR1	8-30-95	< 2.0	< 1.0	< 1.0	< 1.0	1.5	1.4	< 1.0	NA	NA	NA
	6-10-96	< 2.0	1.7	< 1.0	< 1.0	2.5	2.7	< 1.0	NA	NA	NA
	12-4-96	< 2.0	1.3	8.4	4.4	8.4	10	< 1.0	< 0.1	< 0.1	6.6
MW-18BR2	8-30-95	< 2.0	< 1.0	4.7	2.9	5.9	6.3	< 1.0	NA	NA	NA
	6-10-96	< 2.0	5.7	25	18	33	33	< 1.0	NA	NA	NA
	12-4-96	< 2.0	5.0	30	17 <sup>2</sup>	35	34	< 1.0	0.2	< 0.1	12.2
MW-19BR1	8-30-95	< 20	< 10	130	36	16	190	< 10	NA	NA	NA
	6-10-96	< 20	< 20	150	54	< 20	380	< 20	NA	NA	NA
	12-4-96	3.6 Q	20	150	70	< 5.0	380	< 5.0	1.2	< 0.1	23.7
MW-19BR2	8-30-95	< 20	< 10	110	22	< 10	220	< 10	NA	NA	NA
	6-10-96	< 2	2.5	18	5.4	2.2	30	< 1.0	NA	NA	NA
	12-4-96	< 2.0	0.8 Q	6.3	1.5	< 1.0	15	< 1.0	0.8	< 0.1	104
MW-20BR1	8-30-95	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA
	6-10-96	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA
	12-3-96	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.1	< 0.1	22.1
MW-20BR2	8-30-95	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.6	NA	NA	NA
	6-10-96	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	7.8	NA	NA	NA
	12-3-96	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.9	0.2	3.490	
MW-21BR1	6-10-96	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.6	NA	NA	NA
	12-3-96	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.1	< 0.1	< 6.0
MW-21BR2	6-10-96	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.6	NA	NA	NA
	12-3-96	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.1	< 0.1	< 6.0
NR 140 Enforcement Standard		0.2	7	850	70	200	5	343	NS	NS	NS
NR 140 Preventive Action Limit		0.02	0.7	85	7	40	0.5	68.6	NS	NS	NS

## NOTES:

<sup>1</sup> This table includes only those compounds that were detected in at least one sample.

<sup>2</sup> Qualitative mass spectral evidence of trans-1,2-dichloroethene at 0.7  $\mu\text{g/L}$ ; however, concentration is less than the reporting limit.

**BOLD** Bolded values indicate constituents that exceed NR 140 Preventive Action Limits.

NA Not analyzed.

NS No standard or limit specified by NR 140.

Q Qualitative mass spectral evidence of analyte present: concentration is less than the reporting limit.