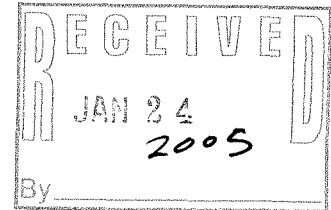




January 18, 2005

Mr. John Feeney
Wisconsin Department of Natural Resources
4041 North Richards Street
P.O. Box 12436
Milwaukee, WI 53212-0436



**Subject: 2004 Annual Status Report - Lactate Injection System
Tecumseh Power Company
Grafton, Wisconsin (WDNR FID #24009170, BRRTS #02-4600751)**

Dear Mr. Feeney:

This letter documents the lactate injections and associated groundwater and soil monitoring that occurred in 2004 at the Tecumseh Power Company (Tecumseh) in Grafton, Wisconsin. This letter includes a discussion of the lactate injections and monitoring events, a summary of the groundwater monitoring and soil monitoring results, and conclusions and recommendations based on the monitoring results.

Background

RMT conducted a series of site investigations at Tecumseh between 1994 and 1996, and the results of the investigations are summarized in the Subsurface Investigation Report (RMT, 1997). In general, the results of the investigations indicated that the West Dock and Recycling Dock Areas at the Tecumseh facility were potential sources for trichloroethylene (TCE) and 1,1,1-trichloroethane (TCA) (Figure 1). Additional findings reported in the Subsurface Investigation Report and the Bioremediation Treatability Study Results (RMT, 1999) indicated that anaerobic biodegradation of the groundwater impacted with TCE and TCA is occurring in both areas, and could be accelerated using *in situ* enhanced bioremediation.

RMT selected to enhance the *in situ* bioremediation of TCE and TCA at Tecumseh through lactate injections. As described in the WDNR Publication RR-699, "Understanding Chlorinated Hydrocarbons" (WDNR, 2003), anaerobic biodegradation of TCE and TCA can occur by reductive dechlorination. In reductive dechlorination, TCE and similar chlorinated compounds are reduced by the replacement of a chlorine atom with a hydrogen atom. When lactate is introduced into the subsurface and is biodegraded, other volatile fatty acids (VFAs) are produced and degraded, and hydrogen is generated. The hydrogen produced in this reaction serves as the electron donor in the reductive dechlorination of TCE and similar chlorinated compounds. Consequently, the introduction of lactate into the subsurface can enhance the reductive dechlorination of TCE and TCA.

In October and November 2002, three injection wells and four infiltration trenches were constructed at Tecumseh for the purpose of *in situ* enhanced bioremediation of the groundwater and soil using

lactate injections. In addition, four monitoring wells (MW-23, MW-24, MW-25, and MW-26) were installed during that time for purposes of evaluating the lactate injection system. The details of the construction of the wells and trenches were described and submitted to the WDNR in a Construction Documentation Report (RMT, 2003). Monitoring well MW-24 was paved over when the parking lot near the Recycling Dock area was resurfaced in June 2003. Consequently, this well was replaced with MW-24R in November 2003, and the documentation of the construction of MW-24R was submitted to the WDNR in the 2003 Annual Status Report for the site (RMT, 2004). The locations of the wells and trenches are shown on Figure 1.

Following construction of the trenches and wells, RMT performed two lactate injections in the West Dock and Recycling Dock Areas in November 2002 and April 2003. The results of the groundwater and soil monitoring associated with those injections were summarized in the 2003 Annual Status Report. In general, the results indicated the lactate injections were enhancing the reductive dechlorination of TCE and TCA at the site. RMT recommended that the lactate injections continue; however, in order to optimize the performance of the lactate injections, RMT recommended that some modifications be made to the procedure. RMT recommended that the concentration of lactate in the Recycling Dock Area be reduced, while the concentration of the lactate in the West Dock Area be increased. These recommendations were generally carried out in the 2004 injections.

Site Activities

Lactate Injections

Two rounds of lactate injections were conducted at both the West Dock Area and the Recycling Dock Area in 2004. The lactate solution used for each injection is composed of sodium lactate, sodium sulfide, yeast extract, and sodium bicarbonate. In the Recycling Dock Area, the lactate solution is injected directly into the groundwater via three injection wells to target treatment of the groundwater; whereas, in the West Dock Area, the lactate solution is injected into the vadose zone via gravity infiltration trenches to target treatment of the unsaturated soil and groundwater. The injection procedure for each area is outlined in the Construction Documentation Report.

Recycling Dock Area

In 2004, the first injection occurred on January 21, over approximately a 12-hour period and the second injection occurred on April 21, over approximately a 24-hour period. During the January injection, the injection volume, rather than the concentration of lactate, was reduced from the volumes used in 2003. This was done in order to reduce the total time of the injection, and thus reduce the potential that the system would freeze. In the January injection, the target concentrations of sodium lactate, sodium sulfide, yeast extract, and sodium bicarbonate were 2,000 mg/L, 30 mg/L, 10 mg/L, and 37 mg/L, respectively; and the total injection volume was 8,108 gallons. During the April injection, the total volume was kept consistent with the 2003 injections; however, the concentration of

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lactate was reduced from 2,000 mg/L to 1,500 mg/L, based on the recommendations made in the 2003 Annual Status Report. The total volume injected during the April injection was 18,626 gallons. The average flow rates for the three injection wells during each injection ranged from 3.8 to 4.4 gpm, and the average total flow rate during each injection was approximately 12 gpm.

West Dock Area

Each of the two injections in the West Dock Area occurred over approximately a 2-month time period. The first injection occurred during the period December 19, 2003, through February 13, 2004; and the second injection occurred during the period May 11, 2004, through July 1, 2004. During the first injection, the concentration of sodium lactate was increased from the concentration used in 2003. The target concentrations of sodium lactate, sodium sulfide, yeast extract, and sodium bicarbonate were 2,500 mg/L, 30 mg/L, 10 mg/L, and 37 mg/L, respectively. Based on an interim review of the monitoring data for the site following the first injection, it was determined that the concentration of sodium lactate should be further increased; therefore, the concentration of sodium lactate in the second injection was increased to approximately 4,000 mg/L. The total flow volumes recorded during the first and second injection were 61,338 and 64,327 gallons, respectively.

Groundwater Monitoring

The locations of the monitoring wells that are monitored by RMT (MW-8, M-8D, MW-23, MW-24R, MW-25, and MW-26) to assess the effectiveness of the *in situ* enhanced bioremediation system are shown on Figures 1 through 3. Monitoring wells MW-8 through MW-24 are used to evaluate the Recycling Dock Area (Figure 2), and monitoring wells MW-25 and MW-26 are used to evaluate the West Dock Area (Figure 3). RMT collected groundwater samples from each well on March 24, 2004, and August 11, 2004, following completion of the first and second round of injections, respectively.

Soil Monitoring

RMT and the Geoprobe® subcontractor, SGS, Inc., were on-site on March 23, 2004, and August 10, 2004, to collect two soil samples from the West Dock Area, following completion of the first and second injections, respectively. Numerous soil samples were collected in the West Dock Area in August 1995 during the Subsurface Investigation, the results of which are documented in the Subsurface Investigation Report. A cross section of the concentration of TCE in the soil in the West Dock Area, based on the 1995 soil data, is included on Figure 4. Two areas in the soil that contained high concentrations of TCE were targeted and sampled during the 2003 soil sampling event (GP-1 and GP-2). These same locations were targeted and sampled during the March 2004 and August 2004 sampling events. The locations of the two borings, GP-1 and GP-2, and the depths from which the soil samples were collected in each boring, are shown on Figure 3 and Figure 4, respectively.

Groundwater Analysis

The groundwater samples collected during the March and August 2004 sampling rounds were submitted to TriMatrix Laboratories, Inc., and laboratory-analyzed for volatile organic compounds (VOCs), VFAs, and chloride. The laboratory reports are included in Attachment A. In addition, the water level, pH, specific conductivity, temperature, oxidation-reduction potential, and dissolved oxygen concentration of the groundwater samples were measured in the field during each sampling round. The results of the VOC and chloride analyses are summarized in Table 1, and the results of the field parameter and VFA analyses are summarized in Table 2.

Recycling Dock Area

In general, the concentrations of TCE and TCA have been decreasing in the Recycling Dock Area since the lactate injections were initiated. The effects of the lactate injection system can be seen most dramatically in the concentration of TCA in the wells adjacent to, and directly downgradient from, the injection locations (MW-8 and MW-23). In MW-8, the concentration of TCA has shown a general decreasing trend since the startup of the lactate injection system (110 to 66 µg/L), while the concentration of its breakdown products, 1,1-dichloroethane (DCA) and chloroethane, have shown general increasing trends from 160 to 550 µg/L and from 2.3 to 1,000 µg/L, respectively. Downgradient, in MW-23, the concentration of DCA has decreased from 47,000 µg/L to 690 µg/L since the startup of the lactate injection system, while the concentration of its breakdown product, chloroethane, has increased from less than 420 µg/L to as high as 17,000 µg/L. During the most recent (August 2004) monitoring event, the concentration of chloroethane decreased to 7,900 µg/L. The decrease in the concentration of TCA in MW-8 and the decrease in the concentration of DCA in MW-23, marked by the general increase in the concentration of their respective breakdown products within each well, indicate that anaerobic biodegradation of the chlorinated solvents is occurring at an accelerated rate in the groundwater in the Recycling Dock Area.

The presence of residual VFAs in monitoring wells provides further support that conditions are supportive of anaerobic biodegradation in the Recycling Dock Area. As mentioned previously, VFAs are generated when lactate is biologically degraded. Hydrogen is also generated when lactate and subsequent VFAs are degraded. The hydrogen is believed to serve as the electron donor in reductive dechlorination. Acetic acid was detected in MW-8, MW-8D, and MW-23, at concentrations ranging from 15 to 450 mg/L. In addition, propionic acid was detected in MW-8, MW-8D, and MW-23 at concentrations ranging from 1.1 to 68 mg/L. In general, the highest concentrations of the VFAs were detected in upgradient wells MW-8D and MW-23, which are closer to the injection location. The residual VFAs that remain in the groundwater in the source area suggest that the lactate concentration and the frequency of injections are appropriate in the Recycling Dock Area.

Other geochemical parameters also suggest that conditions are supportive of reductive dechlorination in the Recycling Dock Area. The concentrations of dissolved oxygen are generally below 0.5 mg/L,

and the oxidation reduction potential is consistently below 50 mV (Table 2). Both of these conditions support reductive dechlorination as described in WDNR Publication PUB-RR-5184, *Quick Reference Guide to Natural Degradation of Chlorinated Solvents*. In addition, the high chloride concentrations in MW-8 and MW-23 indicate that reductive dechlorination is occurring at a high rate, because chlorine atoms are removed from the chlorinated organics by the microorganisms during reductive dechlorination, and this process contributes directly to the high concentration chlorine in the groundwater.

West Dock Area

A significant concentration of TCE was detected in the vadose zone in the West Dock Area during the site investigations. The gravity infiltration trenches in the West Dock Area were designed to flush the TCE from the vadose zone and to anaerobically degrade the TCE in the groundwater. Monitoring well MW-25 is within the source area of the TCE in the West Dock Area and is directly below the gravity infiltration trenches; whereas, MW-26 is downgradient from MW-25 and the source area.

During the 2003 monitoring events, the concentrations of TCE; cis-1,2-DCE; and vinyl chloride in source area well MW-25 increased from 260 µg/L to 8,500 µg/L, from 110 to 1,100 µg/L, and from 24 to 170 µg/L, respectively; whereas, in downgradient well MW-26, the concentration of TCE decreased from 950 µg/L to 140 µg/L, while the concentrations of cis-1,2-DCE and vinyl chloride increased from 2,400 to 6,500 µg/L and from 290 to 4,500 µg/L, respectively. For illustration purposes, the molar concentrations of TCE; cis-1,2-DCE; and vinyl chloride in MW-25 and MW-26 are shown on Figure 5. The pattern in the concentrations of TCE, DCE, and vinyl chloride described above, and shown on Figure 5, indicated that, in 2003, the gravity infiltration of lactate was flushing the high concentrations of TCE from the vadose zone, and that the lactate was enhancing the anaerobic biodegradation of the TCE in the groundwater.

During the 2004 monitoring events, the pattern in the concentration of TCE, DCE, and vinyl chloride was relatively consistent with that described for 2003, when compared with the background concentrations measured before the lactate injections were initiated. However, between the 2003 to 2004 sampling events, there has been a general decreasing trend in the concentration of TCE, DCE, and vinyl chloride in MW-25 and MW-26 (Figure 5). In MW-25, TCE, DCE and vinyl chloride decreased from 8,500 to 2,500 µg/L, from 1,100 to 290 µg/L, and from 170 to 37 µg/L, respectively; while in MW-26, DCE and vinyl chloride decreased from 6,500 to 2,900 µg/L and from 4,500 to 1,900 µg/L, respectively. This recent decreasing concentration trend may indicate that the rate of leaching of the TCE from the vadose zone in the West Dock Area has decreased, and that a stable to decreasing trend can be expected in concentrations in the groundwater as lower quantities of TCE continue to leach from the unsaturated soil and undergo anaerobic biodegradation in the groundwater.

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Residual VFAs were not detected in the West Dock Area. Since the concentration pattern of TCE and its breakdown products suggests that reductive dechlorination of TCE is occurring as a result of the lactate injections, it can be assumed that the lactate is being biodegraded in the West Dock Area. The absence of VFAs from the 2004 monitoring event suggests that the concentration of lactate in the West Dock Area will need to be further increased for future injections in order to maintain a supply of electron donor for reductive dechlorination.

As in the Recycling Dock Area, other geochemical parameters suggest that conditions are supportive of reductive dechlorination in the West Dock Area. The concentrations of dissolved oxygen are generally below 1.0 mg/L and the oxidation reduction potential is consistently below 50 mV (Table 2). Both of these conditions support reductive dechlorination as described in WDNR Publication PUB-RR-5184, *Quick Reference Guide to Natural Degradation of Chlorinated Solvents*. In addition, the high chloride concentrations in MW-25 and MW-26 indicate that reductive dechlorination is occurring at a high rate, because chlorine atoms are removed from the chlorinated organics by the microorganisms during reductive dechlorination and this process contributes directly to the high concentration of chlorine in the groundwater.

Soil Analysis

West Dock Area

The soil samples collected in March and August of 2004 were submitted to EnChem, Inc., and laboratory-analyzed for VOCs. The laboratory reports are included in Attachment B, and the results are summarized in Table 3. As mentioned previously, the borings drilled in March and August of 2004 (GP-1 and GP-2) targeted the depth and location of two areas in the soil that had high concentrations of TCE according to data collected in 1995. As illustrated on Figures 3 and 4, the samples collected from GP-1 were in proximity to the sample collected in 1995 from SB7WD, and the samples collected from GP-2 were in proximity to the sample collected in 1995 from SB1WD. The results of the VOC analysis on the soil samples collected from SB1WD and SB7WD are also summarized in Table 3 for comparison purposes.

The concentration of TCE in the soil samples collected 6 feet below grade from borings GP-1 has decreased consistently since the startup the lactate injections. The concentration of TCE in the soil sample collected from SB7WD in 1995 was 8,100 µg/kg; whereas, the concentrations decreased to 720 and 340 µg/kg in the March and August 2004 sampling events, respectively. The concentration of TCE in the soil samples collected 11 feet below grade from boring GP-2 has decreased since 1995, but has shown a slight increasing trend in the 2004 monitoring events. The concentration of TCE in the soil sample collected from SB7WD in 1995 was 110,000 µg/kg; whereas, the concentrations were 21,000 and 31,000 µg/kg in the March and August 2004 sampling events, respectively. The increase between the March and August 2004 sampling events may be a result of TCE being leached from the shallower unsaturated soil, or may be due to heterogeneities in the soil causing different concentrations at

slightly different locations. In general, the concentrations are on the same order of magnitude and show an order of magnitude decrease in soil concentrations since 1995. The results of the soil analysis support the conclusion made in the analysis of the groundwater results, that the lactate injections through gravity infiltration are flushing the TCE from the vadose zone, and are performing as anticipated.

Conclusions and Recommendations

The results of the groundwater monitoring and soil sampling indicate that the lactate injection systems at Tecumseh are performing as expected in both the Recycling Dock and the West Dock Areas. In general, the concentrations of TCA and DCA have decreased in the Recycling Dock area, while the concentrations of their breakdown products have increased. In addition, residual VFAs degraded from the lactate are also present in this area. These patterns suggest that reductive dechlorination is occurring in the Recycling Dock Area, and that conditions supportive of reductive dechlorination remain between injections.

In the West Dock Area, the concentration of TCE has increased in the source area. Downgradient, the concentration of TCE has decreased, and the concentrations of its breakdown products have increased and subsequently decreased, since the startup of the lactate injection system. A recent decreasing trend in the concentrations of TCE, DCE, and vinyl chloride in the groundwater may suggest that the rate of leaching of the TCE from the vadose zone has decreased, and that stable to decreasing trends in the concentrations of TCE, DCE, and vinyl chloride can be expected as lower quantities of TCE continue to leach from the unsaturated soil and undergo anaerobic biodegradation in the groundwater. The concentrations of TCE in the soil also suggest the TCE is being leached from the vadose zone. The pattern in the concentrations of TCE in the groundwater and soil in the West Dock Area suggest that the lactate infiltration trenches are flushing the TCE from the vadose zone and that the TCE is undergoing anaerobic biological degradation in the groundwater. No residual VFAs were detected in the West Dock Area following the injections.

breakdown products moving downgradient ?

The nondetectable concentrations of VFAs in the West Dock Area suggest that modifications should be made to the lactate solution in this area. In general, a more concentrated solution of lactate is needed in the West Dock Area in order to maintain a supply of electron donor for reductive dechlorination and to optimize performance of the system.

The elevated concentration of vinyl chloride in MW-26 in the West Dock Area has shown a decreasing trend since November 2003 and is expected to continue to decrease as reductive dechlorination continues at the site. The addition of a more concentrated solution of lactate in the West Dock Area should provide the additional electron donor and nutrients necessary to accelerate the biological degradation of vinyl chloride. In addition, it is likely that vinyl chloride will degrade aerobically, once it is downgradient of the reducing area. Monitoring wells MW-9 and MW-9D will be closely

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monitored (results to be obtained from Moraine Environmental, Inc's. semiannual groundwater monitoring of the site) to ensure that vinyl chloride does not migrate from the site.

RMT recommends that the lactate injections continue at Tecumseh; however, RMT recommends that the modifications described above be made to the lactate solution in the West Dock Area. The number and frequency of the injections, and the total amount of lactate injected should be similar to the number, frequency, and volume used in 2004. RMT recommends that two rounds of injections be performed in 2005. The first injection should be initiated by October 2004, and the second injection should be initiated by April 2005. For the upcoming sequence of injections, RMT will collect groundwater samples from the Recycling Dock and the West Dock Areas following completion of each injection, and two soil samples with a Geoprobe® from the West Dock Area following completion of the April injection. A letter report documenting the site activities and the results of the groundwater and soil monitoring will be submitted to the WDNR in the fall of 2005.

Please feel free to contact Stacey Koch, at 608-662-5405, or Alyssa Sellwood, at 608-662-5480, if you have any questions.

Sincerely,

RMT, Inc.



Alyssa Sellwood
Staff Engineer



Stacey A. Koch, P.E.
Project Manager

Attachments: Tables
Figures
Attachment 1 - Groundwater Laboratory Reports
Attachment 2 - Soil Laboratory Reports

cc: Victor Menting - Tecumseh Power Company
Kerry DeKeyser - Tecumseh Power Company
Henry Handzel - DeWitt, Ross, and Stevens

References

RMT, Inc. 2004. 2003 Annual status report. Prepared for Tecumseh Product Company, Grafton, Wisconsin. January 2004.

RMT, Inc. 2003. Construction documentation report: lactate injection system. Prepared for Tecumseh Products Company, Grafton, Wisconsin. June 2003.

RMT, Inc. 1997. Subsurface investigation report. Prepared for Tecumseh Products Company, Grafton Operation. April 1997.

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Wisconsin Department of Natural Resources (WDNR). 2002. Quick reference to natural degradation of chlorinated solvents. WDNR PUB-RR-5184. May 2002.

Wisconsin Department of Natural Resources (WDNR). 2003. Understanding chlorinated hydrocarbon behavior in groundwater: investigation, assessment and limitations of monitored natural attenuation. WDNR RR-699. April 2003.

Table 1
Summary of Groundwater Analytical Results
Tecumseh Power Company- Grafton, Wisconsin

SAMPLE LOCATION	SAMPLE DATE	INJECTION DATE	TCE	CIS-1,2-DCE	TRANS-1,2-DCE	1,1-DCE	VINYL CHLORIDE	1,1,1-TCA	1,1-DCA	CHLORO-ETHANE	CHLORIDE
NR 140 ES			5	70	100	7	0.2	200	850	400	250
NR 140 PAL			0.5	7	20	0.7	0.02	40	85	80	125
Units			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
<i>Recycling Dock Wells</i>											
MW-8 ⁽¹⁾ MW-8	6/5/96		20	660	91	27	360	1,900	1,400	64	1,200
	11/21/02		0.56 Q	3	2.1 Q	1.9	1.5	110	160	2.3 Q	27
		11/23/02									
	3/27/03		NS ⁽²⁾	NS ⁽²⁾	NS ⁽²⁾	NS ⁽²⁾	NS ⁽²⁾	NS ⁽²⁾	NS ⁽²⁾	NS ⁽²⁾	NS ⁽²⁾
		4/11/03									
	6/16/03		8	16	6.7	< 1.4	19	96	380	36	170
	11/19/03		2.2	5	6.2	< 5.0	10	43	500	46	97
		1/21/04									
3/24/04		1.6 J	31	14	2.6 J	53	130	750	620	131	
	4/21/04										
8/11/04		< 4.0	11	19	< 4.0	27	66	550	1,000	459	
MW-8D ⁽¹⁾	6/5/96		1.6	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
		11/23/02									
	3/27/03		1.7	0.7	< 0.18	< 0.28	1.1	< 0.18	42	< 0.22	238
		4/11/03									
	6/16/03		2.6	9.9	1.1	1.3	< 0.29	1.7	< 0.074	< 0.22	22
	11/19/03		2.7	22	0.77	0.48	7.5	0.6	16	< 1.0	135
		1/21/04									
	3/24/04		2.5	2.3	0.37 J	0.44 J	1.5	< 0.31	11	< 1.9	94
	4/21/04										
8/11/04		4.6	4.9	0.68	3.1	5.5	5.3	40	< 1.4	121	

Table 1 (continued)
 Summary of Groundwater Analytical Results
 Tecumseh Power Company- Grafton, Wisconsin

SAMPLE LOCATION	SAMPLE DATE	INJECTION DATE	TCE	CIS-1,2-DCE	TRANS-1,2-DCE	1,1- DCE	VINYL CHLORIDE	1,1,1-TCA	1,1-DCA	CHLORO-ETHANE	CHLORIDE
NR 140 ES			5	70	100	7	0.2	200	850	400	250
NR 140 PAL			0.5	7	20	0.7	0.02	40	85	80	125
Units			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
<i>Recycling Dock Wells</i>											
MW-23	11/21/02		< 200	< 410	< 400	< 280	530	< 330	47,000	< 420	220
		11/23/02									
	3/27/03		< 5.5	< 5.5	41	< 14	44 J	< 9	22,000 D	4,100	259
		4/11/03									
	6/16/03		< 11	< 11	< 18	< 28	< 29	< 18	9,600	1,300	124
	11/19/03		29	< 100	68	< 100	79	< 100	2,200	12,000	98
		1/21/04									
	3/24/04		< 180	< 56	130 J	< 150	< 170	< 62	920	17,000	230
	5/11/04										
	8/11/04		< 20	52	78	< 20	55	32 J	690	7,900	309
MW-24	11/21/02		29	14	2.9	< 0.56	2.0	< 0.65	140	31	110
		11/23/02									
	3/27/03		3.0	< 0.11	3.7	< 0.28	0.4 J	< 0.18	280 D	36	104
		4/11/03									
MW-24R	6/16/03		NS ⁽³⁾	NS ⁽³⁾	NS ⁽³⁾	NS ⁽³⁾	NS ⁽³⁾	NS ⁽³⁾	NS ⁽³⁾	NS ⁽³⁾	NS ⁽³⁾
	11/19/03		1.5	< 2.0	2.8	< 2.0	1.1	< 2.0	200	68	133
		1/22/04									
	3/24/04		1.0	0.29	< 0.84	< 0.75	< 0.86	< 0.31	1.8	1.3 J	148
	4/21/04										
	8/11/04		< 0.4	1.2	0.39	0.26 J	0.76	< 1.2	0.63	< 1.4	143
MW-3 ⁽¹⁾	6/4/96		10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
MW-3BR ⁽⁴⁾	6/12/02		200	48	< 0.79	73	5	38	73	< 0.57	NA
		11/23/02									
	12/10/02		120	31	< 0.8	6.2	1.9	15	38	< 0.84	NA
MW-3D ⁽¹⁾	6/5/96		15	20	< 10	< 10	17	26	130	< 10	95
MW-3D ⁽⁴⁾	6/12/02		< 4.5	< 3.6	< 4	< 4.2	2.4	< 3.4	570	< 2.8	NA
		11/23/02									
	12/10/02		< 0.39	< 0.81	< 0.8	< 0.56	< 0.11	< 0.65	31	2.6 Q	NA

Table 1 (continued)
 Summary of Groundwater Analytical Results
 Tecumseh Power Company- Grafton, Wisconsin

SAMPLE LOCATION	SAMPLE DATE	INJECTION DATE	TCE	CIS-1,2-DCE	TRANS-1,2-DCE	1,1-DCE	VINYL CHLORIDE	1,1,1-TCA	1,1-DCA	CHLORO-ETHANE	CHLORIDE
NR 140 ES			5	70	100	7	0.2	200	850	400	250
NR 140 PAL			0.5	7	20	0.7	0.02	40	85	80	125
Units			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
<i>West Dock Wells</i>											
MW-25	11/21/02		260	110	2.2 Q	1.6 Q	24	< 1.6	< 2.2	< 2.1	32
		11/22/02-2/17/03									
	3/27/03		4,800	590	< 4.5	< 7.0	100	< 4.5	19	< 5.5	81
		4/4/03-5/16/03									
	6/16/03		3,300	430	< 4.5	< 7.0	68	< 4.5	< 3.3	< 6.3	60
	11/19/03		8,500	1,100	22	24	170	< 50	22	77	93
		12/19/03 - 2/13/04									
	3/24/04		7,400	900	< 84	< 75	110	< 31	< 48	< 190	98
	5/11/2004 - 7/1/04										
8/10/04		2,500	290	7.0	5.5 J	37	< 23	< 7.6	< 28	41	
MW-26	11/21/02		950	2,400	31	< 14	290	21 Q	69	< 21	170
		11/22/02-2/17/03									
	3/27/03		130	8,800	120	55	1,600	160	830	< 11	402
		4/4/03-5/16/03									
	6/16/03		180	4,200	79	< 7.0	2,200	38	320	< 5.5	216
	11/19/03		140	6,500	72	22	4,500	27	680	< 50	373
		12/19/03 - 2/13/04									
	3/24/04		110	7,300	87	27 J	3,300	48	860	< 190	471
	5/11/2004 - 7/1/04										
8/10/04		150	2,900	44	22	1,900	18 J	270	< 28	319	
MW-9 ⁽¹⁾	8/24/94		3,000	1,500	< 100	< 100	< 100	530	100	ND	NA
	6/4/96		1,900	1,200	< 100	180	< 100	1,100	190	ND	NA
	12/4/96		2,800	2,700	< 100	51 Q	< 200	1,100	< 100	ND	NA

Table 1 (continued)
Summary of Groundwater Analytical Results
Tecumseh Power Company- Grafton, Wisconsin

SAMPLE LOCATION	SAMPLE DATE	INJECTION DATE	TCE	CIS-1,2-DCE	TRANS-1,2-DCE	1,1-DCE	VINYL CHLORIDE	1,1,1-TCA	1,1-DCA	CHLORO-ETHANE	CHLORIDE
NR 140 ES			5	70	100	7	0.2	200	850	400	250
NR 140 PAL			0.5	7	20	0.7	0.02	40	85	80	125
Units			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
MW-9 ⁽⁴⁾	6/12/02		1,400	720	ND	< 8.5	< 1.8	120	41	ND	NA
		11/22/02-2/17/03									
	12/10/02		1,500	370	< 8.0	34	24	220	110	< 8.4	NA
		4/4/03-5/16/03									
	7/9/03		1,300	570	< 8.9	21	< 1.8	180	61	< 9.7	NA
		12/19/03-2/13/04									
	1/14/04		1,500	360	< 8.9	130	< 1.8	900	340	< 9.7	NA
MW-9D ⁽¹⁾	8/24/94		1,200	330	< 100	< 100	< 100	700	290	ND	NA
	6/4/96		1,400	680	< 50	< 50	< 50	350	94	ND	NA
	12/4/96		1,200	400	< 100	230	< 100	1,700	630	ND	NA
		11/22/02-2/17/03									
		4/4/03-5/16/03									
		12/19/03-2/13/04									
	MW-9D ⁽⁴⁾	1/14/04		1,700	680	< 18	< 11	67	95	50	< 19

Notes:

Table only includes those CVOC's (and chloride) that are part of the enhanced biodegradation study.

Wells are listed from upgradient to downgradient location for each area.

ES = Enforcement Standard.

PAL = Preventive Action Limit.

NS = not sampled.

ND = analyte not detected; however, the Limit of Detection was not available.

NA = not analyzed.

Q or J = concentration between the Limit of Detection and Limit of Quantitation.

D = concentration is an estimate as it exceeded the linear range of the calibration curve.

BOLD = concentration exceeds NR 140 PAL.

Bold and Shaded = concentration exceeds NR 140 ES.

DCA = dichloroethane.

DCE = dichloroethene.

TCA = trichloroethane.

TCE = trichloroethene.

Prepared By: AAS 9/9/04

Checked By: SAK 9/13/04

Footnotes:

⁽¹⁾ Results from Subsurface Investigation Report for Tecumseh Products Company (RMT, 1997)

⁽²⁾ Well was not sampled because it was dry.

⁽³⁾ Well was not sampled because it had been paved over.

The well was replaced with MW-24R on November 11, 2003.

⁽⁴⁾ Samples were collected by Moraine Environmental, Inc.

Table 2
Summary of Groundwater Field and Degradation Evaluation Parameters
Tecumseh Power Company - Grafton, Wisconsin

SAMPLE LOCATION	SAMPLE DATE	INJECTION DATE	WATER LEVEL	pH	SPECIFIC CONDUCTIVITY	TEMP.	ORP	DISSOLVED OXYGEN	VOLATILE FATTY ACIDS				
									ACETIC ACID	BUTYRIC ACID	LACTIC ACID	PROPIONIC ACID	PYRUVIC ACID
Units			ft (MSL)		µmhoms/cm	°C	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Optimum Conditions ⁽¹⁾				5<pH<9	Increase		<50 ⁽²⁾	< 0.5					
Recycling Dock Wells													
MW-8	11/21/02		746.46	7.32	1080	15.2	-100	0.33	NA	NA	NA	NA	NA
		11/22/02											
	3/27/03		NS ⁽³⁾	NS ⁽³⁾	NS ⁽³⁾	NS ⁽³⁾	NS ⁽³⁾	NS ⁽³⁾	NS ⁽³⁾	NS ⁽³⁾	NS ⁽³⁾	NS ⁽³⁾	NS ⁽³⁾
		4/9/03											
	6/16/03		747.28	6.91	1448	14.7	-90	0.4	60	< 1	< 25	1.4	< 10
	11/19/03		744.81	6.97	1157	15.8	-81	2	4.6	< 1	< 25	< 1	< 10
		1/21/04											
	3/24/04		746.42	6.89	1233	13.2	-12	1	3.3	< 1	< 25	< 1	< 10
	4/21/04												
8/11/04		747.09	6.91	2400	16.4	-143	0.6	31	< 1	< 25	1.1	< 10	
MW-8D	11/21/02		NS ⁽⁴⁾	NS ⁽⁴⁾	NS ⁽⁴⁾	NS ⁽⁴⁾	NS ⁽⁴⁾	NS ⁽⁴⁾	NA	NA	NA	NA	NA
		11/22/02											
	3/27/2003 ⁽⁵⁾		745.04	8.83	NA ⁽⁶⁾	12.6	-25	8 ⁽⁷⁾	65	1.5	< 25	3.9	< 10
		4/9/03											
	6/16/03		746.63	6.87	2,590	14.5	-94	0.4	90	4.4	< 25	710	< 10
	11/19/13		746	7.05	1,352	16.3	-138	2	56	< 1	< 25	35	< 10
		1/21/04											
	3/24/04		746.45	7.14	1181	14.4	-5	0.4	15	< 1	< 25	17	< 10
	4/21/04												
8/11/04		747.84	7.12	1194	15.7	-151	0.8	< 1	< 1	< 25	< 1	< 10	
MW-23	11/20/02		746.21	6.88	2,780	15.2	-38	0.11	NA	NA	NA	NA	NA
		11/22/02											
	3/27/03		745.00	6.67	NA ⁽⁶⁾	11.2	-76	2	780	140	< 25	52	< 10
		4/9/03											
	6/16/03		746.40	6.85	1,298	14.6	-116	0.8	120	< 1	< 25	220	< 10
	11/19/03		745.42	6.91	1,428	15.3	-105	1	130	3.4	< 25	47	< 10
		1/21/04											
	3/24/04		746.36	6.78	2700	12.3	-5	0.3	450	< 1	< 25	68	< 10
	4/21/04												
8/11/04		747.58	6.87	2290	15.9	-158	0.6	170	1.9	< 25	3.8	< 10	

Table 2 (continued)
 Summary of Groundwater Field and Degradation Evaluation Parameters
 Tecumseh Power Company - Grafton, Wisconsin

SAMPLE LOCATION	SAMPLE DATE	INJECTION DATE	WATER LEVEL	pH	SPECIFIC CONDUCTIVITY	TEMP.	ORP	DISSOLVED OXYGEN	VOLATILE FATTY ACIDS				
									ACETIC ACID	BUTYRIC ACID	LACTIC ACID	PROPIONIC ACID	PYRUVIC ACID
Units			ft (MSL)		µmhoms/cm	°C	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Optimum Conditions ⁽¹⁾				5<pH<9	Increase		<50 ⁽²⁾	<0.5					
MW-24 MW-24R	11/20/02		746.12	7.23	1,529	14.5	16	0.12	NA	NA	NA	NA	NA
		11/22/02											
	3/27/03		744.79	6.17	NA ⁽⁶⁾	11.3	-123	1	16	< 1	< 25	< 1	< 10
		4/9/03											
	6/16/03		NS ⁽⁸⁾	NS ⁽⁸⁾	NS ⁽⁸⁾	NS ⁽⁸⁾	NS ⁽⁸⁾	NS ⁽⁸⁾	NS ⁽⁸⁾	NS ⁽⁸⁾	NS ⁽⁸⁾	NS ⁽⁸⁾	NS ⁽⁸⁾
	11/19/03		746.14	7.06	1,372	15.8	-99	1	1.2	< 1	< 25	< 1	< 10
		1/21/04											
	3/24/04		746.95	6.83	1153	11.3	29	0.6	< 1	< 1	< 25	< 1	< 10
	4/21/04												
	8/11/04		748.09	6.85	1198	15.7	-63	1.0	< 1	< 1	< 25	< 1	< 10
West Dock Wells													
MW-25	11/20/02		751.93	7.19	1,010	14.4	190	0.04	NA	NA	NA	NA	NA
		11/22/02-2/17/03											
	3/27/03		750.69	8.02	NA ⁽⁶⁾	11.9	96	1	< 1.0	< 1.0	< 25	< 1.0	< 10
		4/4/03-5/16/03											
	6/16/03		752.34	6.73	970	13.2	-4	0.6	94	< 1	< 25	76	< 10
	11/19/03		751.18	7.3	1,115	14	-4	1.5	< 1	< 1	< 25	< 1	< 10
	3/24/04		752.55	7.22	1149	12.1	0	0.3	< 1	< 1	< 25	< 1	< 10
		5/11/2004-7/1/04											
	8/11/04		753.51	6.96	887	14.8	-41	1.0	< 1	< 1	< 25	< 1	< 10

Table 2 (continued)
Summary of Groundwater Field and Degradation Evaluation Parameters
Tecumseh Power Company - Grafton, Wisconsin

SAMPLE LOCATION	SAMPLE DATE	INJECTION DATE	WATER LEVEL	pH	SPECIFIC CONDUCTIVITY	TEMP.	ORP	DISSOLVED OXYGEN	VOLATILE FATTY ACIDS				
									ACETIC ACID	BUTYRIC ACID	LACTIC ACID	PROPIONIC ACID	PYRUVIC ACID
Units			ft (MSL)		µmhoms/cm	°C	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Optimum Conditions⁽¹⁾				5<pH<9	Increase		<50 ⁽²⁾	< 0.5					
MW-26	11/20/02		747.25	7.05	1,752	18.7	224	0.03	NA	NA	NA	NA	NA
		11/22/02-2/17/03											
	3/27/03		745.85	7.44	NA ⁽⁶⁾	17.6	-160	2	< 1.0	< 1.0	< 25	< 1.0	< 10
		4/4/03-5/16/03											
	6/16/03		747.45	7.03	1,645	17.3	-157	0.8	2.6	< 1	< 25	3.4	< 10
	11/19/03		746.33	7.06	2,060	15.3	-110	2	< 1	< 1	< 25	< 1	< 10
	3/24/04		747.37	6.85	2400	15	-8	0.4	< 1	< 1	< 25	< 1	< 10
		5/11/2004 - 7/1/04											
	8/11/04		748.67	7.04	1724	16.4	-81	1.0	< 1	< 1	< 25	< 1	< 10

Prepared By: AAS 9/9/04

Checked By: SAK 9/13/04

Notes:

NA = not analyzed.

NS = not sampled.

Footnotes;

⁽¹⁾ Optimum Conditions = geochemical conditions or trends that support reductive dechlorination, as listed in WDNR Publication PUB-RR-5184, "Quick Reference Guide to Natural Degredation of Chlorinated Solvents."

⁽²⁾ A DO concentration of <1.5mg/L is optimum; however, the bulk DO in groundwater is not always the best indication of what may be happening in microcosms within the subsurface.

Oftentimes, reductive dechlorination is observed at a DO concentration of 1 to 2 mg/L.

⁽³⁾ Well MW -8 was not sampled on March 27, 2003, because it was dry.

⁽⁴⁾ Well MW-8D was not sampled on November 20, 2003, because it could not be located.

⁽⁵⁾ Sample was foaming/fizzing. Foaming is likely due to organics in water at elevated pH, and fizzing is likely due to CO₂ release.

⁽⁶⁾ Conductivity probe was not working on March 27, 2003.

⁽⁷⁾ Elevated DO is likely due to the inability to obtain a reliable reading from foaming/fizzing groundwater.

⁽⁸⁾ Well MW-24 was not sampled on June 16, 2003, because it had been paved over. The well was replaced with MW-24R on November 11, 2003.

Table 3
Summary of Soil Analytical Results Summary for West Dock Area
Tecumseh Power Company - Grafton, Wisconsin

ANALYTE	SAMPLE DATE	DEPTH	TCE	CIS-1,2-DCE	TRANS-1,2-DCE	1,1-DCE	VINYL CHLORIDE	1,1,1-TCA	1,1-DCA	CHLOROETHANE
Units		feet bgs	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
<i>Eastern Target Location - Target Depth 10-12 feet bgs</i>										
SB1WD	8/7/95	10-12	110,000	1,800	< 1,100	< 1,100	< 1,100	< 1,100	< 1,100	< 1,100
GP-2	6/13/03	11	12,000	2,300	33 Q	< 25	70	< 25	80	< 25
	3/23/04	11	21,000	1,000	< 62	< 62	< 62	< 62	< 62	< 62
	8/10/04	11	31,000	1,600	< 120	< 120	< 120	< 120	< 120	< 120
<i>Western Target Location - Target Depth 5-7 feet bgs</i>										
SB7WD	8/14/95	5-7	8,100 D	< 120	< 120	< 120	< 120	< 120	< 120	< 120
GP-1	6/13/03	6	820	< 25	< 25	< 25	< 25	< 25	< 25	< 25
	3/23/04	6	720	< 25	< 25	< 25	< 25	< 25	< 25	< 25
	8/10/04	6	340	< 25	< 25	< 25	< 25	< 25	< 25	< 25

Notes:

Table only includes those CVOC's that are part of the enhanced biodegradation study.

NS = not sampled.

NA = not analyzed.

Q = concentration between the Limit of Detection and Limit of Quantitation.

D = concentration is from diluted analysis.

DCA = dichloroethane.

DCE = dichloroethene.

TCA = trichloroethane.

TCE = trichloroethene.

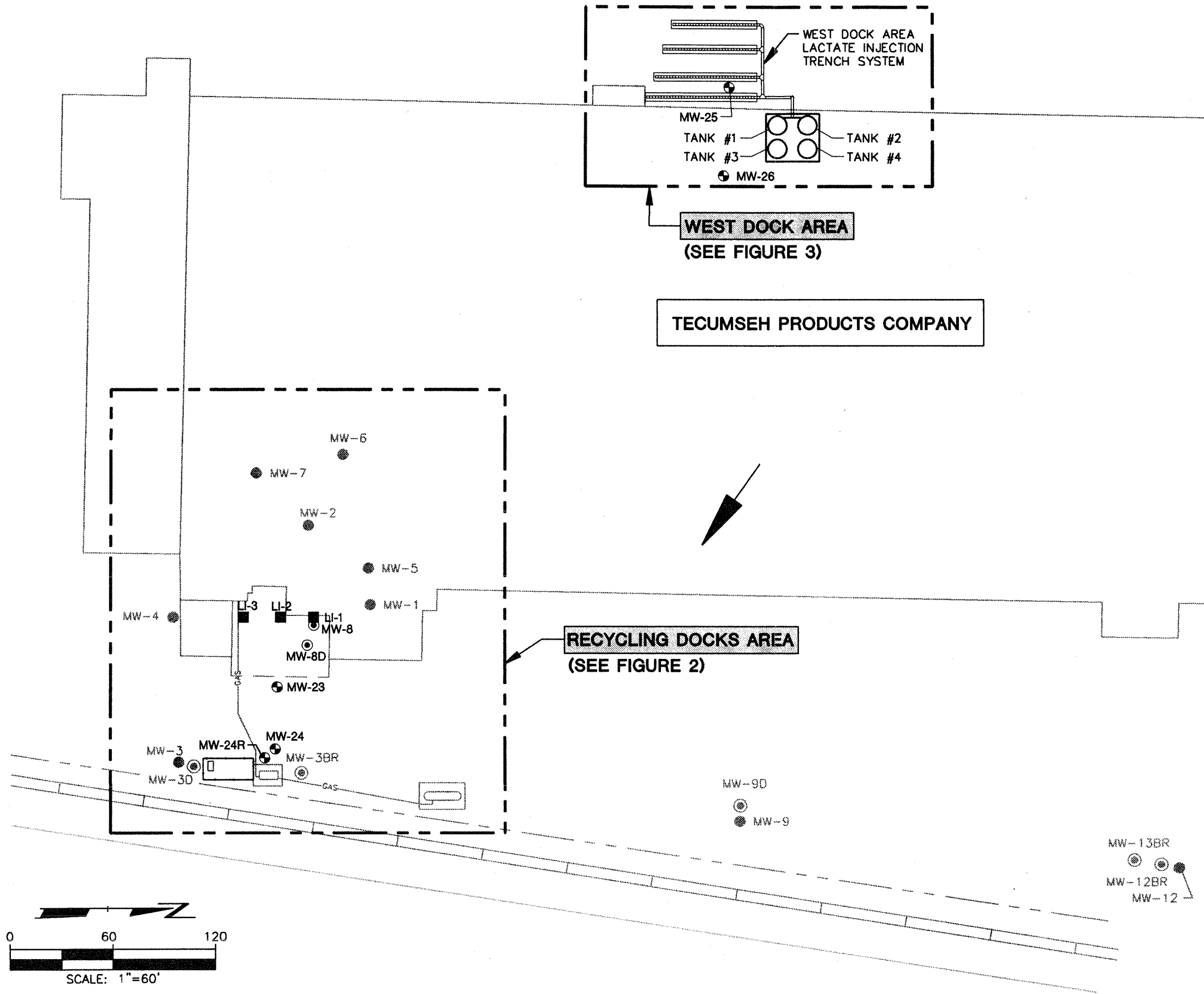
Prepared By: AAS 9/9/04

Checked By: SAK 9/13/04

FIGURES

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 Attached Images: No images attached.

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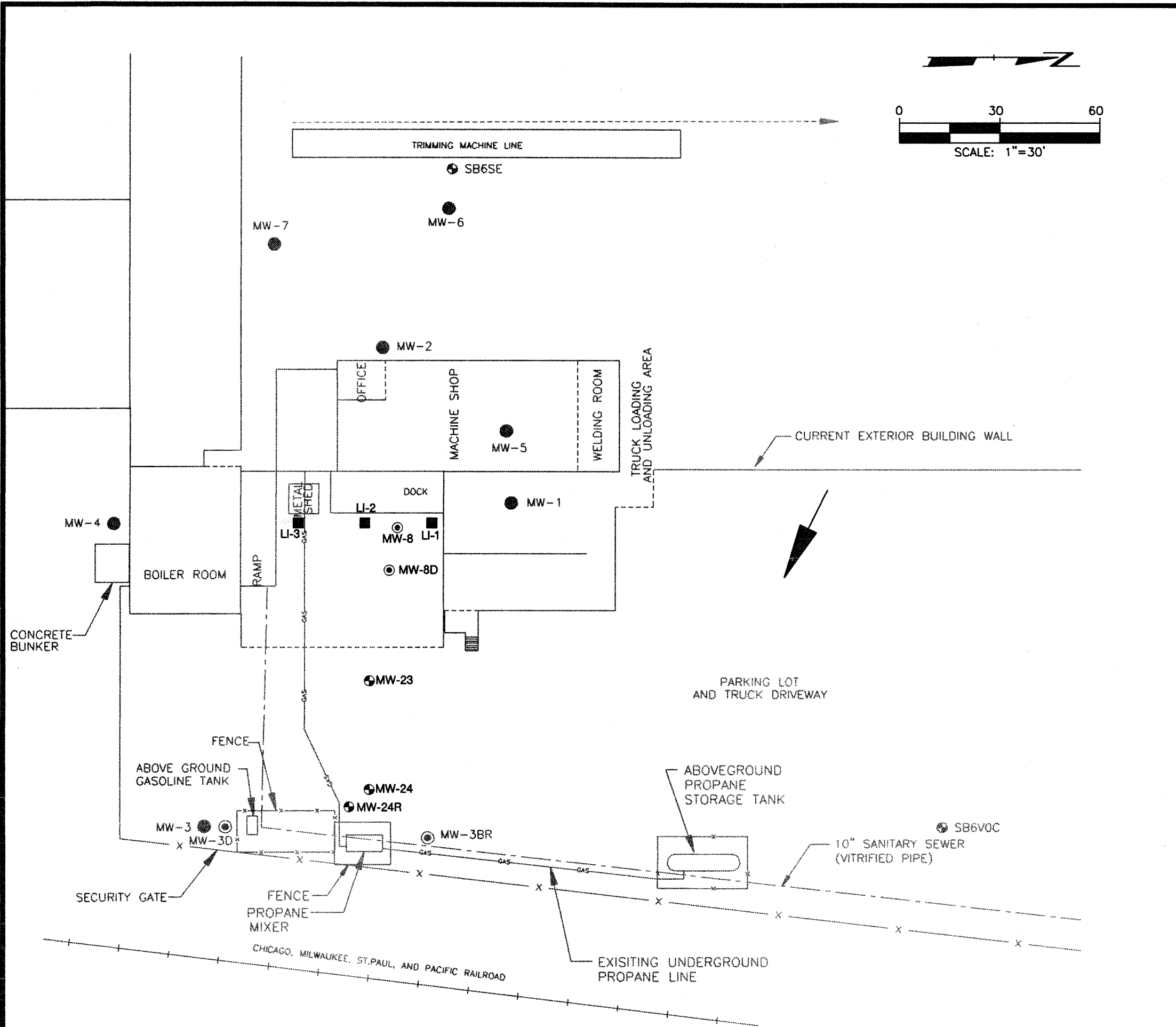
LEGEND	
● MW-10	WATER TABLE WELL
⊙ MW-3BR	PIEZOMETER
	RAILROAD
	PROPERTY LINE
■ LI-1	LACTATE INJECTION WELL LOCATION
⊕ MW-23	APPROXIMATE LOCATION OF LACTATE INJECTION SYSTEM MONITORING WELL
⊙ MW-8D	APPROXIMATE LOCATION OF LACTATE INJECTION SYSTEM PIEZOMETER
	DIRECTION OF GROUNDWATER FLOW

- NOTES**
1. FACILITY LAYOUT ADAPTED FROM DRAWINGS PROVIDED BY TECUMSEH PRODUCTS COMPANY.
 2. MONITORING WELLS MW-23, MW-24, MW-24R, MW-25, MW-26, AND PIEZOMETERS MW-8, AND MW-8D MONITOR TO EVALUATE THE LACTATE INJECTION SYSTEM.
 3. MW-24 WAS PAVED OVER DURING REPAVING OF THE PARKING LOT. MW-24R WAS CONSTRUCTED ON NOVEMBER 11, 2003 TO REPLACE MW-24.

PROJECT: TECUMSEH POWER COMPANY LACTATE INJECTION SYSTEMS GRAFTON, WISCONSIN		
SHEET TITLE: SITE PLAN		
DRAWN BY: SCHONKED	SCALE: 1"=60'	PROJ. NO. 03084.28
CHECKED BY: AAS		FILE NO. 30842805.DWG
APPROVED BY: SAK	DATE PRINTED: JAN 18 2005	FIGURE 1
DATE: JANUARY 2005		
744 Heartland Trail Madison, WI 53717-1934 P.O. Box 8923 53708-8923 Phone: 608-831-4444 Fax: 608-831-3334		

Plot Date: Tuesday, January 18, 2005
 Plot Time: 10:51:05 AM
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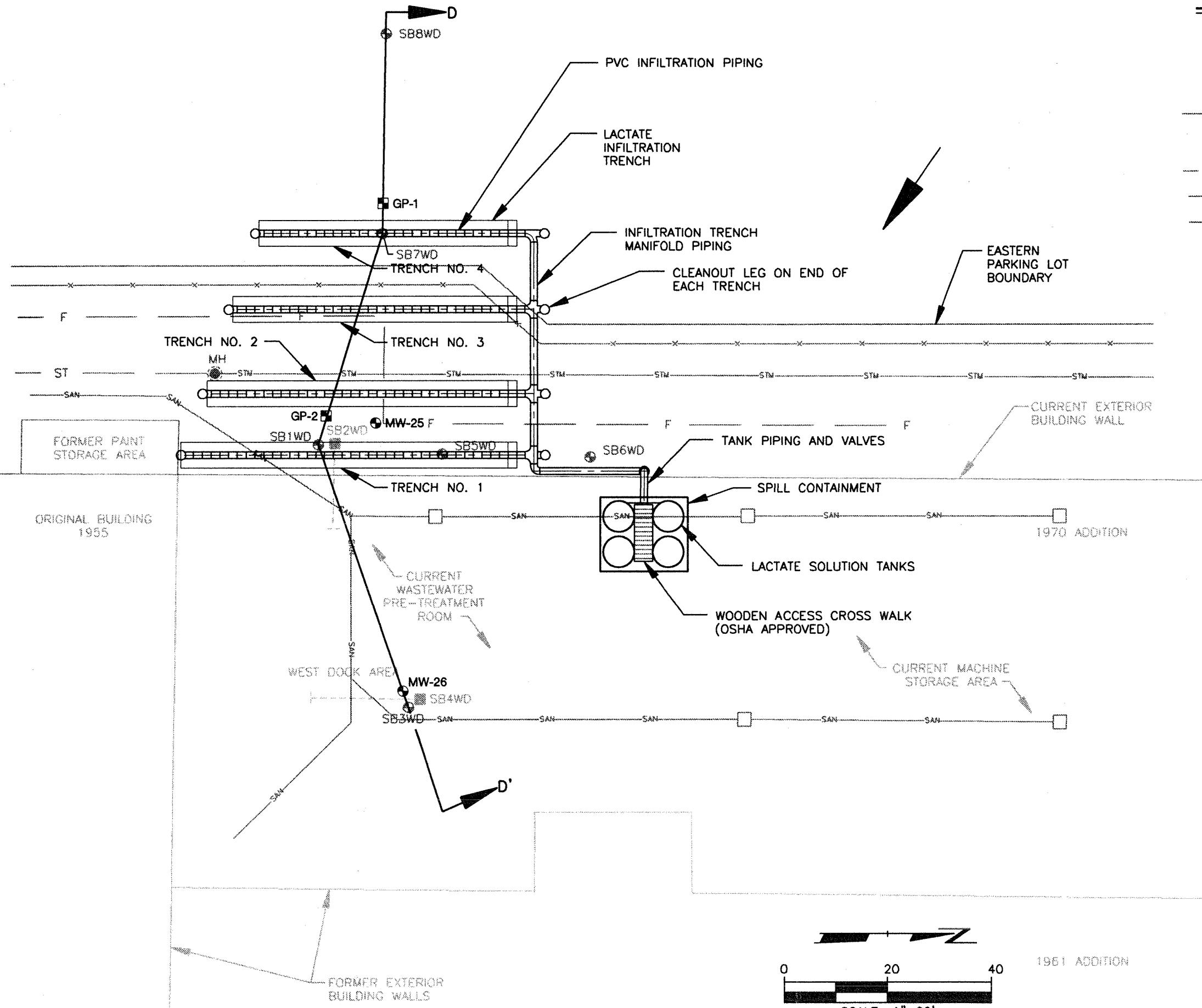
LEGEND

- ⊕ MW-23 LACTATE SYSTEM MONITORING WELL
- MW-3 WATER TABLE WELL
- ⊙ MW-3D PIEZOMETER
- - - - - DOORWAY
- - - - - FLOOR DRAIN
- GAS - EXISTING UNDERGROUND PROPANE LINE
- LI-1 LACTATE INJECTION WELL
- ← DIRECTION OF GROUNDWATER FLOW

- NOTES**
1. FACILITY LAYOUT ADAPTED FROM DRAWINGS PROVIDED BY TECUMSEH PRODUCTS COMPANY.
 2. MONITORING WELLS MW-23, MW-24, MW-24R, AND PIEZOMETERS MW-8, AND MW-8D ARE USED TO MONITOR AND EVALUATE THE LACTATE INJECTION SYSTEM.
 3. MW-24 WAS PAVED OVER DURING REPAVING OF THE PARKING LOT. MW-24R WAS CONSTRUCTED ON NOVEMBER 11, 2003 TO REPLACE MW-24.

PROJECT: TECUMSEH POWER COMPANY LACTATE INJECTION SYSTEMS GRAFTON, WISCONSIN		
SHEET TITLE: RECYCLING DOCKS AREA		
DRAWN BY: SCHONKED	SCALE: 1"=30'	PROJ. NO. 03084.28
CHECKED BY: AAS		FILE NO. 30842806.DWG
APPROVED BY: SAK	DATE PRINTED: JAN 18 2005	FIGURE 2
DATE: JANUARY 2005		
		
744 Heartland Trail Madison, WI 53717-1934 P.O. Box 8923 53708-8923 Phone: 608-831-4444 Fax: 608-831-3334		

Plot Date: Tuesday, January 18, 2005
 Plot Time: 10:52:39 AM
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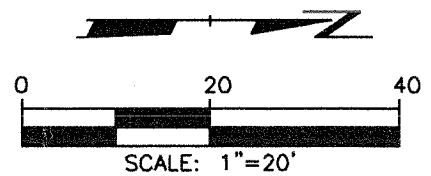


LEGEND

- SB8WD EXISTING VERTICAL SOIL BORING (1995)
- SB4WD EXISTING ANGLE SOIL BORING (1995)
- ⊙ MW-25 MONITORING WELL LOCATION
- x-x-x- EXISTING FENCE
- - - - - TRAJECTORY OF ANGLE SOIL BORING
- - - - - FIRE LOOP
- STM- UNDERGROUND STORM SEWER
- SAN- UNDERGROUND SANITARY SEWER
- ⊙ MANHOLE
- FLOOR DRAIN
- ↑↑ GEOLOGIC CROSS SECTION LOCATION
- GP-1 SOIL BORING LOCATION (6/13/03)
- ← DIRECTION OF GROUNDWATER FLOW

NOTES

1. FACILITY LAYOUT ADAPTED FROM DRAWINGS PROVIDED BY TECUMSEH PRODUCTS COMPANY.
2. MONITORING WELLS MW-23, MW-24, MW-24R, MW-25, MW-26, AND PIEZOMETERS MW-8, AND MW-8D ARE USED TO MONITOR AND EVALUATE THE LACTATE INJECTION SYSTEM.
3. CROSS SECTION IS SHOWN ON FIGURE 4.

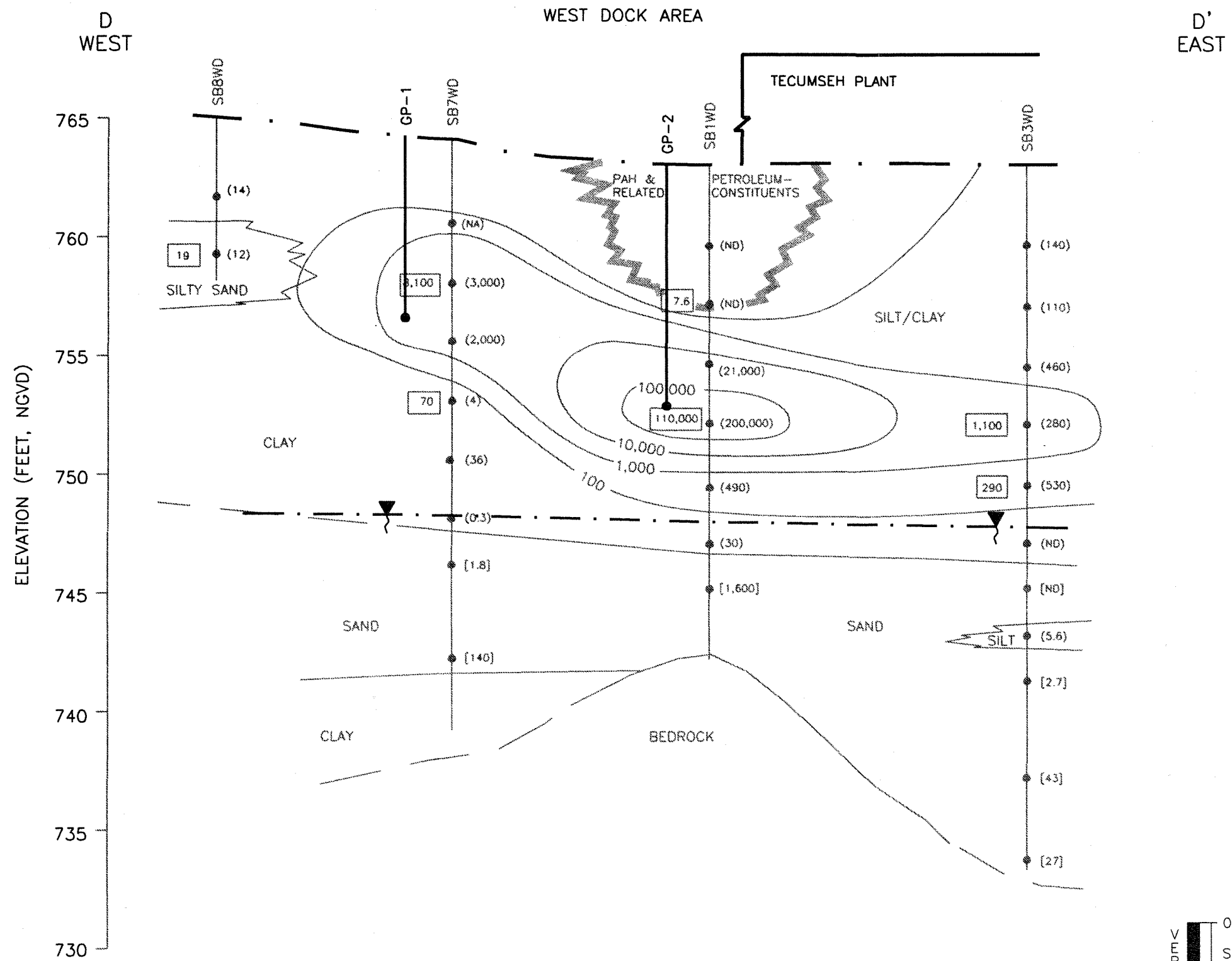


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TITLE: WEST DOCK AREA		
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CHECKED BY: AAS		FILE NO. 30842807.DWG
APPROVED BY: SAK	DATE PRINTED: JAN 18 2005	FIGURE 3
DATE: JANUARY 2005		

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

Plot Date: Tuesday, January 18, 2005
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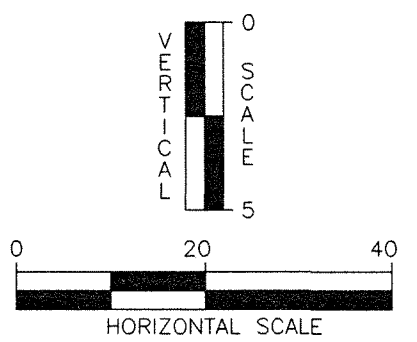
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LEGEND

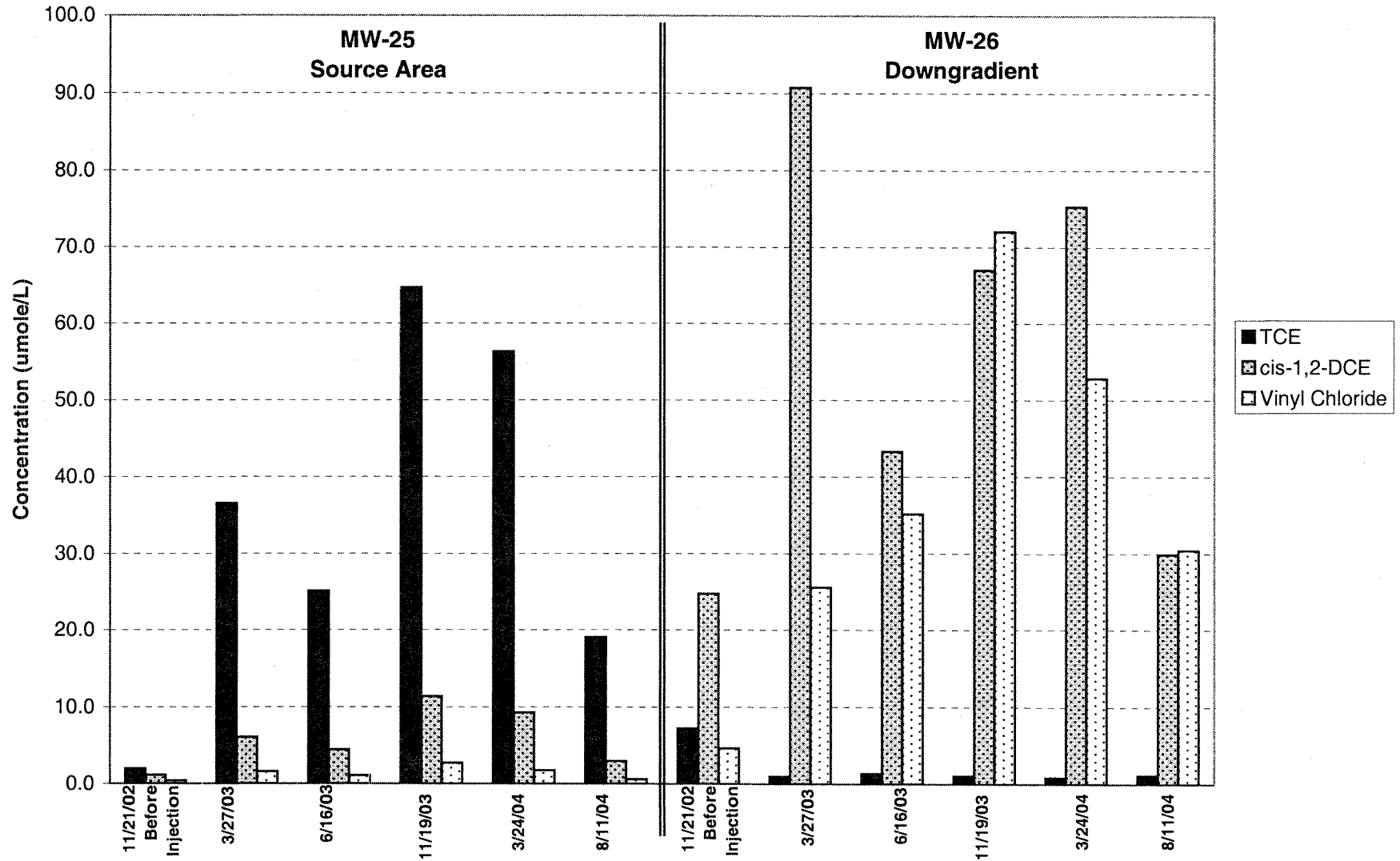
(14)	EQUIVALENT SOIL CONCENTRATION FOR TCE (ug/kg) (CALCULATED FROM PORTABLE GC DATA)
NA	NOT ANALYZED
ND	NOT DETECTED
[19]	LABORATORY RESULTS FOR TCE IN SOIL (ug/kg)
[1.8]	PORTABLE GC RESULTS FOR GROUNDWATER (ug/L)
	ESTIMATED EXTENT OF PAH AND PETROLEUM-RELATED COMPOUNDS IN SOIL
	ESTIMATED EXTENT OF TCE, ISOCONCENTRATION IN SOIL(ug/kg)
	APPROXIMATE WATER TABLE SURFACE
SB1WD	AUGUST 1995 SOIL BORINGS
●	SAMPLE INTERVAL LOCATION
GP-2	6/16/03 GEOPROBE BORING

- NOTES**
- THIS CROSS SECTION IS BASED ON THE 1995 SOIL DATA SUBMITTED IN THE SUBSURFACE INVESTIGATION REPORT, DATED APRIL 1997.
 - THE CONTOURS SHOWN ARE NOT REPRESENTATIVE OF CURRENT CONDITIONS, BUT RATHER ARE SHOWN TO ILLUSTRATE RATIONALE FOR THE LOCATION OF 6/16/03 SOIL BORINGS.



PROJECT: TECUMSEH POWER COMPANY LACTATE INJECTION SYSTEMS GRAFTON, WISCONSIN		
SHEET TITLE: CROSS SECTION D-D' WITH TCE CONCENTRATIONS		
DRAWN BY: SCHONKED	SCALE: AS SHOWN	PROJ. NO. 03084.28
CHECKED BY: AAS	DATE PRINTED: JAN 18 2005	FILE NO. 30842808.DWG
APPROVED BY: SAK	DATE: JANUARY 2005	FIGURE 4
744 Heartland Trail Madison, WI 53717-1934 P.O. Box 8923 53708-8923 Phone: 608-831-4444 Fax: 608-831-3334		

Figure 5
Molar Concentration of TCE and Degradation Products
West Dock Area



(1) MW-25 is directly below the gravity infiltration trench (upgradient)
 (2) MW-26 is downgradient from MW-25

Attachment 1
Groundwater Laboratory Reports

March 2004

April 8, 2004

RMT, Inc. - Madison Office
Attn: Ms. Alyssa Sellwood
744 Heartland Trail
Madison, WI 53717

RE: Tecumseh Products
Submittal Number: 36274-4
PO: 3084.28

Dear Ms. Alyssa Sellwood:

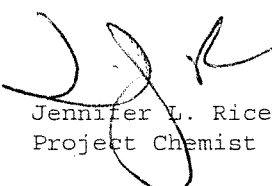
Enclosed is a copy of your laboratory report for test samples received by our laboratory on March 25, 2004.

Please note that the test results of the enclosed analyses relate only to the sample(s) as received at the laboratory, and are in compliance with the requirements of the National Environmental Laboratory Accreditation Conference (NELAC) standards. Qualification of test standards, including sample acceptance requirements, are presented within the Statement of Data Qualifications.

Estimates of analytical uncertainties for the test results contained within this report are available upon request.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,


Jennifer L. Rice
Project Chemist

Enclosure(s)

The total number of pages in this report, including this page, is 41.

ANALYTICAL REPORT

Client: RMT, Inc. - Madison Office
Project: Tecumseh Products

Sampled: 03/24/04 @ 12:25
Sampler: J.S.
Received: 03/25/04 @ 08:25

Submittal #: 36274-4
Submittal: March 2004 Samples

Sample ID: MW-8
Sample #: 356854
Matrix: Ground Water

Percent Solids: n/a

Parameter	Analytical Result	Reporting Limit	MDL	Unit	Analysis Date	Chem	Reference Citation
Chloride	131	5.0	1.93	mg/L	03/31/04	JLB	325.2/4500-CL E

ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 03/24/04 @ 12:25
 Sampler: J.S.
 Received: 03/25/04 @ 08:25
 Prepared: n/a
 Prep. Method: n/a
 Analyzed: 03/29/04 by JDM
 Anal. Method: USEPA-8260B
 QC Batch: 94106 -129
 Anal. Batch: 213984
 Percent Solids: n/a
 Dilution Factor: 5

 Submittal #: 36274-4
 Submittal: March 2004 Samples

 Sample ID: MW-8
 Sample #: 356854
 Matrix: Ground Water
 Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
74-87-3	Chloromethane	3.8 J	4.5	1.35
74-83-9	Bromomethane	ND U	7.3	2.21
75-01-4	Vinyl Chloride	53	4.3	1.29
75-00-3	Chloroethane	620	9.4	2.84
75-09-2	Methylene Chloride	15	2.0	0.615
67-64-1	Acetone	ND U	29	8.75
75-15-0	Carbon Disulfide	1.0 J	1.3	0.396
75-35-4	1,1-Dichloroethylene	2.6 J	3.8	1.13
75-34-3	1,1-Dichloroethane	750	2.4	0.720
156-59-2	cis-1,2-Dichloroethene	31	1.4	0.423
156-60-5	trans-1,2-Dichloroethene	14	4.2	1.26
67-66-3	Chloroform	ND U	1.8	0.555
107-06-2	1,2-Dichloroethane	13	3.7	1.11
79-01-6	Trichloroethene	1.6 J	4.6	1.38
78-93-3	Methyl Ethyl Ketone	7.9 J	12	3.66
71-55-6	1,1,1-Trichloroethane	130	1.6	0.469
56-23-5	Carbon Tetrachloride	ND U	4.2	1.28
75-27-4	Dichlorobromomethane	ND U	12	3.64
79-34-5	1,1,2,2-Tetrachloroethane	ND U	0.80	1.35
78-87-5	1,2-Dichloropropane	12	4.6	1.40
10061-02-6	trans-1,3-Dichloropropene	ND U	4.9	1.49
124-48-1	Chlorodibromomethane	ND U	4.0	1.21
79-00-5	1,1,2-Trichloroethane	2.5 J	3.4	1.03
71-43-2	Benzene	0.77 J	1.4	0.424
10061-01-5	cis-1,3-Dichloropropene	ND U	4.5	1.37
75-25-2	Bromoform	ND U	6.0	1.81
591-78-6	2-Hexanone	ND U	12	3.64
108-10-1	4-Methyl-2-Pentanone	5.8 J	7.5	2.26
127-18-4	Tetrachloroethene	1.4 J	3.8	1.15
108-88-3	Toluene	15	5.4	1.63
108-90-7	Chlorobenzene	ND U	4.1	1.23
100-41-4	Ethylbenzene	2.5	0.51	0.154
100-42-5	Styrene	ND U	0.96	0.287

ANALYTICAL REPORT

Client: RMT, Inc. - Madison Office
Project: Tecumseh Products

Sampled: 03/24/04 @ 12:25
Sampler: J.S.
Received: 03/25/04 @ 08:25
Prepared: n/a
Prep. Method: n/a
Analyzed: 03/29/04 by JDM
Anal. Method: USEPA-8260B
QC Batch: 94106 -129
Anal. Batch: 213984
Percent Solids: n/a
Dilution Factor: 5

Submittal #: 36274-4
Submittal: March 2004 Samples

Sample ID: MW-8
Sample #: 356854
Matrix: Ground Water
Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
1330-20-7	Xylene (Total)	35	3.7	0.510

6

ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 03/24/04 @ 11:50
 Sampler: J.S.
 Received: 03/25/04 @ 08:25

 Submittal #: 36274-4
 Submittal: March 2004 Samples

 Sample ID: MW-8D
 Sample #: 356855
 Matrix: Ground Water

Percent Solids: n/a

Parameter	Analytical Result	Reporting Limit	MDL	Unit	Analysis Date	Chem	Reference Citation
Chloride	94	1.0	0.386	mg/L	03/31/04	JLB	325.2/4500-CL E

ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 03/24/04 @ 11:50
 Sampler: J.S.
 Received: 03/25/04 @ 08:25
 Prepared: n/a
 Prep. Method: n/a
 Analyzed: 03/29/04 by JDM
 Anal. Method: USEPA-8260B
 QC Batch: 94106 -129
 Anal. Batch: 213984
 Percent Solids: n/a
 Dilution Factor: 1

 Submittal #: 36274-4
 Submittal: March 2004 Samples

 Sample ID: MW-8D
 Sample #: 356855
 Matrix: Ground Water
 Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
74-87-3	Chloromethane	ND U	0.90	0.269
74-83-9	Bromomethane	ND U	1.5	0.441
75-01-4	Vinyl Chloride	1.5	0.86	0.258
75-00-3	Chloroethane	ND U	1.9	0.567
75-09-2	Methylene Chloride	0.40 J	0.41	0.123
67-64-1	Acetone	ND U	5.8	1.75
75-15-0	Carbon Disulfide	0.55	0.26	0.0791
75-35-4	1,1-Dichloroethylene	0.44 J	0.75	0.226
75-34-3	1,1-Dichloroethane	11	0.48	0.144
156-59-2	cis-1,2-Dichloroethene	2.3	0.28	0.0846
156-60-5	trans-1,2-Dichloroethene	0.37 J	0.84	0.252
67-66-3	Chloroform	ND U	0.37	0.111
107-06-2	1,2-Dichloroethane	ND U	0.74	0.222
79-01-6	Trichloroethene	2.5	0.92	0.276
78-93-3	Methyl Ethyl Ketone	2.3 J	2.4	0.732
71-55-6	1,1,1-Trichloroethane	ND U	0.31	0.0938
56-23-5	Carbon Tetrachloride	ND U	0.85	0.255
75-27-4	Dichlorobromomethane	ND U	2.4	0.728
79-34-5	1,1,2,2-Tetrachloroethane	ND U	0.90	0.269
78-87-5	1,2-Dichloropropane	ND U	0.93	0.279
10061-02-6	trans-1,3-Dichloropropene	ND U	0.99	0.297
124-48-1	Chlorodibromomethane	ND U	0.80	0.241
79-00-5	1,1,2-Trichloroethane	ND U	0.68	0.205
71-43-2	Benzene	ND U	0.28	0.0848
10061-01-5	cis-1,3-Dichloropropene	ND U	0.91	0.273
75-25-2	Bromoform	ND U	1.2	0.362
591-78-6	2-Hexanone	ND U	2.4	0.727
108-10-1	4-Methyl-2-Pentanone	ND U	1.5	0.451
127-18-4	Tetrachloroethene	ND U	0.76	0.229
108-88-3	Toluene	0.37 J	1.1	0.325
108-90-7	Chlorobenzene	ND U	0.82	0.246
100-41-4	Ethylbenzene	0.60	0.10	0.0307
100-42-5	Styrene	ND U	0.19	0.0574

ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 03/24/04 @ 11:50
 Sampler: J.S.
 Received: 03/25/04 @ 08:25
 Prepared: n/a
 Prep. Method: n/a
 Analyzed: 03/29/04 by JDM
 Anal. Method: USEPA-8260B
 QC Batch: 94106 -129
 Anal. Batch: 213984
 Percent Solids: n/a
 Dilution Factor: 1

 Submittal #: 36274-4
 Submittal: March 2004 Samples

 Sample ID: MW-8D
 Sample #: 356855
 Matrix: Ground Water
 Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
1330-20-7	Xylene (Total)	0.38 J	0.74	0.102

ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 03/24/04 @ 11:00
 Sampler: J.S.
 Received: 03/25/04 @ 08:25

 Submittal #: 36274-4
 Submittal: March 2004 Samples

 Sample ID: MW-23
 Sample #: 356856

Matrix: Ground Water

Percent Solids: n/a

Parameter	Analytical Result	Reporting Limit	MDL	Unit	Analysis Date	Chem	Reference Citation
Chloride	230	5.0	1.93	mg/L	03/31/04	JLB	325.2/4500-CL E

ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 03/24/04 @ 11:00
 Sampler: J.S.
 Received: 03/25/04 @ 08:25
 Prepared: n/a
 Prep. Method: n/a
 Analyzed: 04/05/04 by JDM
 Anal. Method: USEPA-8260B
 QC Batch: 94106 -105
 Anal. Batch: 214293
 Percent Solids: n/a
 Dilution Factor: 200

 Submittal #: 36274-4
 Submittal: March 2004 Samples

 Sample ID: MW-23
 Sample #: 356856
 Matrix: Ground Water
 Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
74-87-3	Chloromethane	ND U	180	53.8
74-83-9	Bromomethane	130 J	290	88.2
75-01-4	Vinyl Chloride	ND U	170	51.6
75-00-3	Chloroethane	17000	380	113
75-09-2	Methylene Chloride	140	82	24.6
67-64-1	Acetone	2500	1200	350
75-15-0	Carbon Disulfide	ND U	53	15.8
75-35-4	1,1-Dichloroethylene	ND U	150	45.2
75-34-3	1,1-Dichloroethane	920	96	28.8
156-59-2	cis-1,2-Dichloroethene	ND U	56	16.9
156-60-5	trans-1,2-Dichloroethene	130 J	170	50.4
67-66-3	Chloroform	ND U	74	22.2
107-06-2	1,2-Dichloroethane	67 J	150	44.4
79-01-6	Trichloroethene	ND U	180	55.2
78-93-3	Methyl Ethyl Ketone	300 J	490	146
71-55-6	1,1,1-Trichloroethane	ND U	62	18.8
56-23-5	Carbon Tetrachloride	ND U	170	51.0
75-27-4	Dichlorobromomethane	ND U	480	146
79-34-5	1,1,2,2-Tetrachloroethane	ND U	180	53.8
78-87-5	1,2-Dichloropropane	ND U	180	55.8
10061-02-6	trans-1,3-Dichloropropene	ND U	200	59.4
124-48-1	Chlorodibromomethane	ND U	160	48.2
79-00-5	1,1,2-Trichloroethane	ND U	140	41.0
71-43-2	Benzene	ND U	56	17.0
10061-01-5	cis-1,3-Dichloropropene	ND U	180	54.6
75-25-2	Bromoform	ND U	240	72.4
591-78-6	2-Hexanone	ND U	480	145
108-10-1	4-Methyl-2-Pentanone	180 J	300	90.2
127-18-4	Tetrachloroethene	ND U	150	45.8
108-88-3	Toluene	450	220	65.0
108-90-7	Chlorobenzene	ND U	160	49.2
100-41-4	Ethylbenzene	56	20	6.14
100-42-5	Styrene	ND U	38	11.5

ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 03/24/04 @ 11:00
 Sampler: J.S.
 Received: 03/25/04 @ 08:25
 Prepared: n/a
 Prep. Method: n/a
 Analyzed: 04/05/04 by JDM
 Anal. Method: USEPA-8260B
 QC Batch: 94106 -105
 Anal. Batch: 214293
 Percent Solids: n/a
 Dilution Factor: 200

 Submittal #: 36274-4
 Submittal: March 2004 Samples

 Sample ID: MW-23
 Sample #: 356856
 Matrix: Ground Water
 Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
1330-20-7	Xylene (Total)	230	150	20.4



Corporate Office & Laboratory
1241 Bellevue Street, Suite 9, Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827
www.enchem.com

Analytical Report Number: 849825

Client: RMT - MADISON

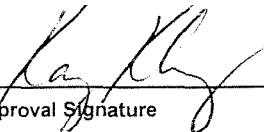
Lab Contact: Tod Noltemeyer

Project Name: TECUMSEH PRODUCTS

Project Number: 3084.28

Lab Sample Number	Field ID	Matrix	Collection Date
849825-001	GP-1, 6'	SOIL	08/10/04
849825-002	GP-2, 11'	SOIL	08/10/04
849825-003	METHANOL BLANK	METH	08/10/04

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 comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. Reported results shall not be reproduced, except in full, without the written approval of the lab. The sample results relate only to the analytes of interest tested.


Approval Signature

8-17-04
Date

En Chem Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 849825

Client : RMT - MADISON
Project Name : TECUMSEH PRODUCTS
Project Number : 3084.28
Field ID : GP-1, 6'

Matrix Type : SOIL
Collection Date : 08/10/04
Report Date : 08/17/04
Lab Sample Number : 849825-001

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	83.5				1	%		08/17/04	SM 2540G M	SM 2540G M

VOLATILES - SPECIAL LIST

Prep Date: 08/16/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Naphthalene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
N-Butylbenzene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
n-Propylbenzene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
sec-Butylbenzene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B

En Chem Inc.

Analytical Report Number: 849825

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : RMT - MADISON
Project Name : TECUMSEH PRODUCTS
Project Number : 3084.28
Field ID : GP-1, 6'

Matrix Type : SOIL
Collection Date : 08/10/04
Report Date : 08/17/04
Lab Sample Number : 849825-001

VOLATILES - SPECIAL LIST

Prep Date: 08/16/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Toluene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Trichloroethene	340	30	72		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Vinyl Chloride	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Xylene, o	< 25	25	60		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Xylenes, m + p	< 50	50	120		50	ug/kg		08/16/04	SW846 5030B	SW846 8260B

Analytical Report Number: 849825

Client : RMT - MADISON
Project Name : TECUMSEH PRODUCTS
Project Number : 3084.28
Field ID : GP-2, 11'

Matrix Type : SOIL
Collection Date : 08/10/04
Report Date : 08/17/04
Lab Sample Number : 849825-002

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	90.4				1	%		08/17/04	SM 2540G M	SM 2540G M

VOLATILES - SPECIAL LIST

Prep Date: 08/16/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Benzene	190	140	330		250	ug/kg	Q	08/16/04	SW846 5030B	SW846 8260B
Bromobenzene	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Chloroethane	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Chloroform	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Chloromethane	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	1600	140	330		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Isopropylbenzene	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Naphthalene	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
N-Butylbenzene	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
n-Propylbenzene	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
sec-Butylbenzene	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B

En Chem Inc.

Analytical Report Number: 849825

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : RMT - MADISON
Project Name : TECUMSEH PRODUCTS
Project Number : 3084.28
Field ID : GP-2, 11'

Matrix Type : SOIL
Collection Date : 08/10/04
Report Date : 08/17/04
Lab Sample Number : 849825-002

VOLATILES - SPECIAL LIST

Prep Date: 08/16/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Toluene	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Trichloroethene	31000	140	330		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Vinyl Chloride	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Xylene, o	< 120	120	300		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B
Xylenes, m + p	< 250	250	600		250	ug/kg		08/16/04	SW846 5030B	SW846 8260B

En Chem Inc.

Analytical Report Number: 849825

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : RMT - MADISON
Project Name : TECUMSEH PRODUCTS
Project Number : 3084.28
Field ID : METHANOL BLANK

Matrix Type : METHANOL
Collection Date : 08/10/04
Report Date : 08/17/04
Lab Sample Number : 849825-003

VOLATILES - SPECIAL LIST

Prep Date: 08/16/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 19	19	46		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 21	21	50		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 24	24	58		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 19	19	46		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 22	22	53		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 17	17	41		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 16	16	40		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 12	12	30		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 12	12	29		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 18	18	43		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 12	12	30		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 21	21	50		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 22	22	52		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 12	12	29		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 16	16	40		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 12	12	29		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 18	18	42		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 16	16	40		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 18	18	43		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 23	23	55		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
Benzene	< 14	14	35		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
Bromobenzene	< 14	14	35		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 16	16	38		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 16	16	40		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 9.5	9.5	23		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 20	20	47		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
Chloroform	< 18	18	44		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
Chloromethane	< 20	20	49		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 20	20	48		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 21	21	50		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 9.5	9.5	23		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 15	15	36		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 19	19	46		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 23	23	55		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
Isopropylbenzene	< 11	11	26		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 14	14	35		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 15	15	36		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
Naphthalene	< 15	15	36		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
N-Butylbenzene	< 12	12	29		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
n-Propylbenzene	< 5.5	5.5	13		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 12	12	30		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
sec-Butylbenzene	< 8.0	8.0	19		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 12	12	28		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 16	16	40		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
Toluene	< 8.5	8.5	20		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 14	14	35		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
Trichloroethene	< 20	20	48		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
Vinyl Chloride	< 14	14	35		50	ug/L		08/16/04	SW846 5030B	SW846 8260B

En Chem Inc.

Analytical Report Number: 849825

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : RMT - MADISON
Project Name : TECUMSEH PRODUCTS
Project Number : 3084.28
Field ID : METHANOL BLANK

Matrix Type : METHANOL
Collection Date : 08/10/04
Report Date : 08/17/04
Lab Sample Number : 849825-003

VOLATILES - SPECIAL LIST

Prep Date: 08/16/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Xylene, o	< 15	15	36		50	ug/L		08/16/04	SW846 5030B	SW846 8260B
Xylenes, m + p	< 22	22	52		50	ug/L		08/16/04	SW846 5030B	SW846 8260B

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
J	Organic	Concentration detected is greater than the method detection limit but less than the reporting limit.
K	Inorganic	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.

Test Group Name	849825-001	849825-002	849825-003
PERCENT SOLIDS	G	G	
VOLATILES - SPECIAL LIST	G	G	G

Wisconsin Certification	
G = En Chem Green Bay	405132750 / DATCP: 105 000444
K = En Chem Kimberly	445134030
S = En Chem Superior	Not Applicable
C = Subcontracted Analysis	

En Chem, Inc. Cooler Receipt Log

Batch No. 849825

Project Name or ID TPC

No. of Coolers: 1 Temps: R01

A. Receipt Phase: Date cooler was opened: 8-16-04 By: S Falk

- 1: Were samples received on ice? (Must be ≤ 6 C)..... YES NO² NA
- 2: Was there a Temperature Blank?..... YES NO
- 3: Were custody seals present and intact on cooler? (Record on COC)..... YES NO
- 4: Are COC documents present?..... YES NO²
- 5: Does this Project require quick turn around analysis?..... YES NO
- 6: Is there any sub-work?..... YES NO
- 7: Are there any short hold time tests?..... YES NO
- 8: Are any samples nearing expiration of hold-time? (Within 2 days)..... YES¹ NO Contacted by/Who _____
- 9: Do any samples need to be Filtered or Preserved in the lab?..... YES¹ NO Contacted by/Who _____

B. Check-in Phase: Date samples were Checked-in: 8-16-04 By: S Falk

- 1: Were all sample containers listed on the COC received and intact?..... YES NO² NA
- 2: Sign the COC as received by En Chem. Completed..... YES NO
- 3: Do sample labels match the COC? YES NO²
- 4: Completed pH check on preserved samples. YES NO NA
(This statement does not apply to water: VOC, O&G, TOC, DRO, Total Rec. Phenolics)
- 5: Do samples have correct chemical preservation?..... YES NO² NA
(This statement does not apply to water: VOC, O&G, TOC, DRO, Total Rec. Phenolics)
- 6: Are dissolved parameters field filtered?..... YES NO² NA
- 7: Are sample volumes adequate for tests requested? YES NO²
- 8: Are VOC samples free of bubbles >6mm YES NO² NA
- 9: Enter samples into logbook. Completed..... YES NO
- 10: Place laboratory sample number on all containers and COC. Completed..... YES NO
- 11: Complete Laboratory Tracking Sheet (LTS). Completed..... YES NO NA
- 12: Start Nonconformance form. YES NO NA
- 13: Initiate Subcontracting procedure. Completed..... YES NO NA
- 14: Check laboratory sample number on all containers and COC. cc 8/16/04 YES NO NA

Short Hold-time tests:

24 Hours or less	48 Hours	7 days	Footnotes
Coliform	BOD	Ash	1 Notify proper lab group immediately.
Corrosivity = pH	Color	Aqueous Extractable Organics- ALL	2 Complete nonconformance memo.
Dissolved Oxygen	Nitrite or Nitrate	Flashpoint	
Hexavalent Chromium	Ortho Phosphorus	Free Liquids	
HPC	Surfactants	Sulfide	
Ferrous Iron	Turbidity	TDS	
Eh	En Core Preservation	TSS	
Odor	Power stop preservation	Total Solids	
Residual Chlorine		TVS	
Sulfite		TVSS	
		Unpreserved VOC's	

Rev. 2/05/04, Attachment to 1-REC-5.
Subject to QA Audit.

Reviewed by/date _____

En Chem, Inc. Cooler Receipt Log

Batch No. 849825 Project Name or ID Tecumseh Products No. of Coolers: 1 Temps: ROT

A. Receipt Phase: Date cooler was opened: 8-12-04 By: RJ

- 1: Were samples received on ice? (Must be ≤ 6 C)..... YES NO² NA
- 2: Was there a Temperature Blank?..... YES NO
- 3: Were custody seals present and intact on cooler? (Record on COC)..... YES NO
- 4: Are COC documents present?..... YES NO²
- 5: Does this Project require quick turn around analysis?..... YES NO
- 6: Is there any sub-work?..... YES NO
- 7: Are there any short hold time tests?..... YES NO
- 8: Are any samples nearing expiration of hold-time? (Within 2 days)..... YES¹ NO Contacted by/Who _____
- 9: Do any samples need to be Filtered or Preserved in the lab?..... YES¹ NO Contacted by/Who _____

B. Check-in Phase: Date samples were Checked-in: 8-12-04 By: RJ

- 1: Were all sample containers listed on the COC received and intact?..... YES NO² NA
- 2: Sign the COC as received by En Chem. Completed..... YES NO
- 3: Do sample labels match the COC? YES NO²
- 4: Completed pH check on preserved samples..... YES NO NA
(This statement does not apply to water: VOC, O&G, TOC, DRO, Total Rec. Phenolics)
- 5: Do samples have correct chemical preservation?..... YES NO² NA
(This statement does not apply to water: VOC, O&G, TOC, DRO, Total Rec. Phenolics)
- 6: Are dissolved parameters field filtered?..... YES NO² NA
- 7: Are sample volumes adequate for tests requested? YES NO²
- 8: Are VOC samples free of bubbles >6mm YES NO² NA
- 9: Enter samples into logbook. Completed..... YES NO
- 10: Place laboratory sample number on all containers and COC. Completed..... YES NO
- 11: Complete Laboratory Tracking Sheet (LTS). Completed..... YES NO NA
- 12: Start Nonconformance form. YES NO NA
- 13: Initiate Subcontracting procedure. Completed..... YES NO NA
- 14: Check laboratory sample number on all containers and COC. 60 YES NO NA

Short Hold-time tests:

24 Hours or less	48 Hours	7 days	Footnotes 1 Notify proper lab group immediately. 2 Complete nonconformance memo.
Coliform	BOD	Ash	
Corrosivity = pH	Color	Aqueous Extractable Organics- ALL	
Dissolved Oxygen	Nitrite or Nitrate	Flashpoint	
Hexavalent Chromium	Ortho Phosphorus	Free Liquids	
HPC	Surfactants	Sulfide	
Ferrous Iron	Turbidity	TDS	
En	En Core Preservation	TSS	
Odor	Power stop preservation	Total Solids	
Residual Chlorine		TVS	
Sulfite		TVSS	
		Unpreserved VOC's	

Rev. 2/05/04, Attachment to 1-REC-5.
Subject to QA Audit.

Reviewed by/date _____

(Please Print Legibly)

Company Name: RMT

Branch or Location: MSW

Project Contact: Alyssa Sellwood

Telephone: 608-231-1444

Project Number: 3084-28

Project Name: TPC

Project State: WI

Sampled By (Print): Jason Schoephaester



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

525 Science Drive
Madison, WI 53711
608-232-3300
FAX: 608-233-0502

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HN03 E=EnCore F=Methanol G=NaOH
H = Sodium Bisulfate Solution I = Other

82012

Filtered? (YES/NO) N

PRESERVATION (CODE)* A

Page 1 of 1

P.O. # _____ Quote # _____

Mail Report To: Alyssa Sellwood

Company: RMT
Address: 744 Heartland Dr.
Madison, WI 53717

Invoice To: _____

Company: _____

Address: _____

Mail Invoice To: _____

Data Package Options (please circle if requested):

Results Only _____

EnChem Level III (Subject to Surcharge) _____

EnChem Level IV (Subject to Surcharge) _____

Regulatory Program: UST, RCRA, SDWA, NPDES, CERCLA

Matrix Codes: W=Water, S=Soil, A=Air, C=Charcoal, B=Biota, Sl=Sludge

ANALYSES REQUESTED For Dry Weight

TOTAL # OF BOTTLES SENT

LABORATORY ID (Lab Use Only)	FIELD ID	COLLECTION			MATRIX	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
		DATE	TIME				
001	GP-1, 6'	8/10	845	S	X		1-402 poly A ↓
002	GP-2, 11'	8/10	855	S	X		

For use for obtaining dry weight on samples received 8/11/04 for same project. Contact Jason Schoephaester (RMT) w/questions 608-358-5401

Rush Turnaround Time Requested (TAT) - Prelim (Rush TAT subject to approval/surcharge)

Date Needed: _____

Transmit Prelim Rush Results by (circle):
 Phone Fax E-Mail

Phone #: _____
 Fax #: _____
 E-Mail Address: _____

Relinquished By: Tom Elzy Date/Time: 8/12/04

Relinquished By: Slidley Date/Time: _____

Relinquished By: William Blurry Date/Time: 8/16/04 1335

Relinquished By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____

Received By: William Blurry Date/Time: 8/11/04 1145

Received By: William Blurry Date/Time: 8/16/04 1335

Received By: _____ Date/Time: _____

Received By: _____ Date/Time: _____

En Chem Project No. 849825

Sample Receipt Temp. 10.5

Sample Receipt pH (Wet/Metals) 7.4

Cooler Custody Seal Present / Not Present

Intact / Not Intact

Samples on HOLD are subject to special pricing and release of liability

(Please Print Legibly)

Company Name: RMT
 Branch or Location: MSN
 Project Contact: Alyssa Sellwood
 Telephone: 608-231-4444
 Project Number: 3084.28
 Project Name: Tecumseh Products
 Project State: WI
 Sampled By (Print): Jason Schephorster
 PO #:



1241 Bellevue St., Suite 9
 Green Bay, WI 54302
 920-469-2436
 Fax 920-469-8827

CHAIN OF CUSTODY Page 1 of 1
Quote #:

*Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=EnCore F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other
 FILTERED? (YES/NO): N
 PRESERVATION (CODE)* F

Mail Report To: Alyssa Sellwood
 Company: RMT
 Address: 744 Heartland Trail
Madison, WI 53717
 Invoice To: Stacey Koch
 Company:
 Address:
 Mail Invoice To:

Data Package Options - (please circle if requested)
 Sample Results Only (no QC)
 EPA Level II (Subject to Surcharge)
 EPA Level III (Subject to Surcharge)
 EPA Level IV (Subject to Surcharge)

Regulatory Program	Matrix Codes
UST	W=Water
RCRA	S=Soil
SDWA	A=Air
NPDES	C=Charcoal
CERCLA	B=Biota
	SI=Sludge

ANALYSES REQUESTED
 Chlorinated VOCs

TOTAL # OF BOTTLES SENT

LABORATORY ID (Lab Use Only)	FIELD ID	COLLECTION		MATRIX	PRESERVATION CODES										CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)								
		DATE	TIME		A	B	C	D	E	F	G	H	I	J										
001	GP-1, 6'	8/10	845	S	X																1	Please use	2oz F	
002	GP-2, 11"	8/10	855	S	X																	1	lowest possible	↓
003	Methanol Blank	-	-		X																	1	quantitation limits.	MeOH/B

Rush Turnaround Time Requested (TAT) - Prelim (Rush TAT subject to approval/surcharge) Date Needed: Transmit Prelim Rush Results by (circle): <input checked="" type="radio"/> Phone <input type="radio"/> Fax <input type="radio"/> E-Mail Phone #: Fax #: Mail Address:	Relinquished By: <u>Jason Schephorster</u> Date/Time: <u>8/10/04 1400</u>	Received By: <u>[Signature]</u> Date/Time: <u>8/10/04 1100</u>	En Chem Project No. <u>849825</u>
	Relinquished By: <u>[Signature]</u> Date/Time: <u>8/11/04</u>	Received By: <u>[Signature]</u> Date/Time: <u>8/11/04</u>	Sample Receipt Temp. <u>ROT</u>
	Relinquished By: <u>[Signature]</u> Date/Time: <u>8/11/04</u>	Received By: <u>[Signature]</u> Date/Time: <u>8/11/04</u>	Sample Receipt pH (Wet/Metals) <u> </u>
	Relinquished By: <u>[Signature]</u> Date/Time: <u>8/12/04</u>	Received By: <u>[Signature]</u> Date/Time: <u>8/12/04</u>	Cooler Custody Seal
	Relinquished By: <u>[Signature]</u> Date/Time: <u> </u>	Received By: <u>[Signature]</u> Date/Time: <u> </u>	Present / Not Present <u>Present</u>
Samples on HOLD are subject to special pricing and release of liability	Relinquished By: <u>[Signature]</u> Date/Time: <u> </u>	Received By: <u>[Signature]</u> Date/Time: <u> </u>	Intact / Not Intact <u>Intact</u>

August 2004

ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 03/24/04 @ 10:10
 Sampler: J.S.
 Received: 03/25/04 @ 08:25

 Submittal #: 36274-4
 Submittal: March 2004 Samples

 Sample ID: MW-24
 Sample #: 356857
 Matrix: Ground Water

Percent Solids: n/a

Parameter	Analytical Result	Reporting Limit	MDL	Unit	Analysis Date	Chem	Reference Citation
Chloride	148	5.0	1.93	mg/L	03/31/04	JLB	325.2/4500-CL E

ANALYTICAL REPORT

Client: RMT, Inc. - Madison Office
Project: Tecumseh Products

Sampled: 03/24/04 @ 10:10
Sampler: J.S.
Received: 03/25/04 @ 08:25
Prepared: n/a
Prep. Method: n/a
Analyzed: 03/30/04 by JDM
Anal. Method: USEPA-8260B
QC Batch: 94106 -130
Anal. Batch: 214000
Percent Solids: n/a
Dilution Factor: 1

Submittal #: 36274-4
Submittal: March 2004 Samples

Sample ID: MW-24
Sample #: 356857
Matrix: Ground Water
Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
74-87-3	Chloromethane	ND U	0.90	0.269
74-83-9	Bromomethane	0.57 J	1.5	0.441
75-01-4	Vinyl Chloride	ND U	0.86	0.258
75-00-3	Chloroethane	1.3 J	1.9	0.567
75-09-2	Methylene Chloride	ND U	0.41	0.123
67-64-1	Acetone	ND U	5.8	1.75
75-15-0	Carbon Disulfide	ND U	0.26	0.0791
75-35-4	1,1-Dichloroethylene	ND U	0.75	0.226
75-34-3	1,1-Dichloroethane	1.8	0.48	0.144
156-59-2	cis-1,2-Dichloroethene	0.29	0.28	0.0846
156-60-5	trans-1,2-Dichloroethene	ND U	0.84	0.252
67-66-3	Chloroform	ND U	0.37	0.111
107-06-2	1,2-Dichloroethane	ND U	0.74	0.222
79-01-6	Trichloroethene	1.0	0.92	0.276
78-93-3	Methyl Ethyl Ketone	ND U	2.4	0.732
71-55-6	1,1,1-Trichloroethane	ND U	0.31	0.0938
56-23-5	Carbon Tetrachloride	ND U	0.85	0.255
75-27-4	Dichlorobromomethane	ND U	2.4	0.728
79-34-5	1,1,2,2-Tetrachloroethane	ND U	0.90	0.269
78-87-5	1,2-Dichloropropane	ND U	0.93	0.279
10061-02-6	trans-1,3-Dichloropropene	ND U	0.99	0.297
124-48-1	Chlorodibromomethane	ND U	0.80	0.241
79-00-5	1,1,2-Trichloroethane	ND U	0.68	0.205
71-43-2	Benzene	0.090 J	0.28	0.0848
10061-01-5	cis-1,3-Dichloropropene	ND U	0.91	0.273
75-25-2	Bromoform	ND U	1.2	0.362
591-78-6	2-Hexanone	ND U	2.4	0.727
108-10-1	4-Methyl-2-Pentanone	ND U	1.5	0.451
127-18-4	Tetrachloroethene	ND U	0.76	0.229
108-88-3	Toluene	ND U	1.1	0.325
108-90-7	Chlorobenzene	ND U	0.82	0.246
100-41-4	Ethylbenzene	0.10	0.10	0.0307
100-42-5	Styrene	ND U	0.19	0.0574

ANALYTICAL REPORT

Client: RMT, Inc. - Madison Office
Project: Tecumseh Products

Sampled: 03/24/04 @ 10:10
Sampler: J.S.
Received: 03/25/04 @ 08:25
Prepared: n/a
Prep. Method: n/a
Analyzed: 03/30/04 by JDM
Anal. Method: USEPA-8260B
QC Batch: 94106 -130
Anal. Batch: 214000
Percent Solids: n/a
Dilution Factor: 1

Submittal #: 36274-4
Submittal: March 2004 Samples

Sample ID: MW-24
Sample #: 356857
Matrix: Ground Water
Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
1330-20-7	Xylene (Total)	ND U	0.74	0.102

ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 03/23/04 @ 13:30
 Sampler: J.S.
 Received: 03/25/04 @ 08:25

 Submittal #: 36274-4
 Submittal: March 2004 Samples

 Sample ID: MW-25
 Sample #: 356858
 Matrix: Ground Water

Percent Solids: n/a

Parameter	Analytical Result	Reporting Limit	MDL	Unit	Analysis Date	Chem	Reference Citation
Chloride	98	1.0	0.386	mg/L	03/31/04	JLB	325.2/4500-CL E

ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 03/23/04 @ 13:30
 Sampler: J.S.
 Received: 03/25/04 @ 08:25
 Prepared: n/a
 Prep. Method: n/a
 Analyzed: 04/05/04 by JDM
 Anal. Method: USEPA-8260B
 QC Batch: 94106 -105
 Anal. Batch: 214293
 Percent Solids: n/a
 Dilution Factor: 100

 Submittal #: 36274-4
 Submittal: March 2004 Samples

 Sample ID: MW-25
 Sample #: 356858
 Matrix: Ground Water
 Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
74-87-3	Chloromethane	ND U	90	26.9
74-83-9	Bromomethane	92 J	150	44.1
75-01-4	Vinyl Chloride	110	86	25.8
75-00-3	Chloroethane	ND U	190	56.7
75-09-2	Methylene Chloride	37 J	41	12.3
67-64-1	Acetone	ND U	580	175
75-15-0	Carbon Disulfide	11 J	26	7.91
75-35-4	1,1-Dichloroethylene	ND U	75	22.6
75-34-3	1,1-Dichloroethane	ND U	48	14.4
156-59-2	cis-1,2-Dichloroethene	900	28	8.46
156-60-5	trans-1,2-Dichloroethene	ND U	84	25.2
67-66-3	Chloroform	ND U	37	11.1
107-06-2	1,2-Dichloroethane	ND U	74	22.2
79-01-6	Trichloroethene	7400	92	27.6
78-93-3	Methyl Ethyl Ketone	260	240	73.2
71-55-6	1,1,1-Trichloroethane	ND U	31	9.38
56-23-5	Carbon Tetrachloride	ND U	85	25.5
75-27-4	Dichlorobromomethane	ND U	240	72.8
79-34-5	1,1,2,2-Tetrachloroethane	ND U	90	26.9
78-87-5	1,2-Dichloropropane	ND U	93	27.9
10061-02-6	trans-1,3-Dichloropropene	ND U	99	29.7
124-48-1	Chlorodibromomethane	ND U	80	24.1
79-00-5	1,1,2-Trichloroethane	ND U	68	20.5
71-43-2	Benzene	ND U	28	8.48
10061-01-5	cis-1,3-Dichloropropene	ND U	91	27.3
75-25-2	Bromoform	ND U	120	36.2
591-78-6	2-Hexanone	ND U	240	72.7
108-10-1	4-Methyl-2-Pentanone	ND U	150	45.1
127-18-4	Tetrachloroethene	ND U	76	22.9
108-88-3	Toluene	ND U	110	32.5
108-90-7	Chlorobenzene	ND U	82	24.6
100-41-4	Ethylbenzene	ND U	10	3.07
100-42-5	Styrene	ND U	19	5.74

ANALYTICAL REPORT

Client: RMT, Inc. - Madison Office
Project: Tecumseh Products

Sampled: 03/23/04 @ 13:30
Sampler: J.S.
Received: 03/25/04 @ 08:25
Prepared: n/a
Prep. Method: n/a
Analyzed: 04/05/04 by JDM
Anal. Method: USEPA-8260B
QC Batch: 94106 -105
Anal. Batch: 214293
Percent Solids: n/a
Dilution Factor: 100

Submittal #: 36274-4
Submittal: March 2004 Samples

Sample ID: MW-25
Sample #: 356858
Matrix: Ground Water
Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
1330-20-7	Xylene (Total)	ND U	74	10.2

ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 03/23/04 @ 12:40
 Sampler: J.S.
 Received: 03/25/04 @ 08:25

 Submittal #: 36274-4
 Submittal: March 2004 Samples

 Sample ID: MW-26
 Sample #: 356859
 Matrix: Ground Water

Percent Solids: n/a

Parameter	Analytical Result	Reporting Limit	MDL	Unit	Analysis Date	Chem	Reference Citation
Chloride	471	5.0	1.93	mg/L	03/31/04	JLB	325.2/4500-CL E

ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 03/23/04 @ 12:40
 Sampler: J.S.
 Received: 03/25/04 @ 08:25
 Prepared: n/a
 Prep. Method: n/a
 Analyzed: 04/05/04 by JDM
 Anal. Method: USEPA-8260B
 QC Batch: 94106 -105
 Anal. Batch: 214293
 Percent Solids: n/a
 Dilution Factor: 100

 Submittal #: 36274-4
 Submittal: March 2004 Samples

 Sample ID: MW-26
 Sample #: 356859
 Matrix: Ground Water
 Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
74-87-3	Chloromethane	ND U	90	26.9
74-83-9	Bromomethane	89 J	150	44.1
75-01-4	Vinyl Chloride	3300	86	25.8
75-00-3	Chloroethane	ND U	190	56.7
75-09-2	Methylene Chloride	35 J	41	12.3
67-64-1	Acetone	ND U	580	175
75-15-0	Carbon Disulfide	ND U	26	7.91
75-35-4	1,1-Dichloroethylene	27 J	75	22.6
75-34-3	1,1-Dichloroethane	860	48	14.4
156-59-2	cis-1,2-Dichloroethene	7300	28	8.46
156-60-5	trans-1,2-Dichloroethene	87	84	25.2
67-66-3	Chloroform	ND U	37	11.1
107-06-2	1,2-Dichloroethane	ND U	74	22.2
79-01-6	Trichloroethene	110	92	27.6
78-93-3	Methyl Ethyl Ketone	200 J	240	73.2
71-55-6	1,1,1-Trichloroethane	48	31	9.38
56-23-5	Carbon Tetrachloride	ND U	85	25.5
75-27-4	Dichlorobromomethane	ND U	240	72.8
79-34-5	1,1,2,2-Tetrachloroethane	ND U	90	26.9
78-87-5	1,2-Dichloropropane	ND U	93	27.9
10061-02-6	trans-1,3-Dichloropropene	ND U	99	29.7
124-48-1	Chlorodibromomethane	ND U	80	24.1
79-00-5	1,1,2-Trichloroethane	ND U	68	20.5
71-43-2	Benzene	23 J	28	8.48
10061-01-5	cis-1,3-Dichloropropene	ND U	91	27.3
75-25-2	Bromoform	ND U	120	36.2
591-78-6	2-Hexanone	ND U	240	72.7
108-10-1	4-Methyl-2-Pentanone	ND U	150	45.1
127-18-4	Tetrachloroethene	ND U	76	22.9
108-88-3	Toluene	ND U	110	32.5
108-90-7	Chlorobenzene	ND U	82	24.6
100-41-4	Ethylbenzene	ND U	10	3.07
100-42-5	Styrene	ND U	19	5.74

24

ANALYTICAL REPORT

Client: RMT, Inc. - Madison Office
Project: Tecumseh Products

Sampled: 03/23/04 @ 12:40
Sampler: J.S.
Received: 03/25/04 @ 08:25
Prepared: n/a
Prep. Method: n/a
Analyzed: 04/05/04 by JDM
Anal. Method: USEPA-8260B
QC Batch: 94106 -105
Anal. Batch: 214293
Percent Solids: n/a
Dilution Factor: 100

Submittal #: 36274-4
Submittal: March 2004 Samples
Sample ID: MW-26
Sample #: 356859
Matrix: Ground Water
Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
1330-20-7	Xylene (Total)	ND U	74	10.2

ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 03/23/04 @ 00:00
 Sampler: J.S.
 Received: 03/25/04 @ 08:25
 Prepared: n/a
 Prep. Method: n/a
 Analyzed: 03/30/04 by JDM
 Anal. Method: USEPA-8260B
 QC Batch: 94106 -130
 Anal. Batch: 214000
 Percent Solids: n/a
 Dilution Factor: 1

 Submittal #: 36274-4
 Submittal: March 2004 Samples

 Sample ID: Trip Blank
 Sample #: 356860
 Matrix: Ground Water
 Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
74-87-3	Chloromethane	ND U	0.90	0.269
74-83-9	Bromomethane	ND U	1.5	0.441
75-01-4	Vinyl Chloride	ND U	0.86	0.258
75-00-3	Chloroethane	ND U	1.9	0.567
75-09-2	Methylene Chloride	0.30 J	0.41	0.123
67-64-1	Acetone	ND U	5.8	1.75
75-15-0	Carbon Disulfide	0.12 J	0.26	0.0791
75-35-4	1,1-Dichloroethylene	ND U	0.75	0.226
75-34-3	1,1-Dichloroethane	ND U	0.48	0.144
156-59-2	cis-1,2-Dichloroethene	ND U	0.28	0.0846
156-60-5	trans-1,2-Dichloroethene	ND U	0.84	0.252
67-66-3	Chloroform	ND U	0.37	0.111
107-06-2	1,2-Dichloroethane	ND U	0.74	0.222
79-01-6	Trichloroethene	ND U	0.92	0.276
78-93-3	Methyl Ethyl Ketone	ND U	2.4	0.732
71-55-6	1,1,1-Trichloroethane	ND U	0.31	0.0938
56-23-5	Carbon Tetrachloride	ND U	0.85	0.255
75-27-4	Dichlorobromomethane	ND U	2.4	0.728
79-34-5	1,1,2,2-Tetrachloroethane	ND U	0.90	0.269
78-87-5	1,2-Dichloropropane	ND U	0.93	0.279
10061-02-6	trans-1,3-Dichloropropene	ND U	0.99	0.297
124-48-1	Chlorodibromomethane	ND U	0.80	0.241
79-00-5	1,1,2-Trichloroethane	ND U	0.68	0.205
71-43-2	Benzene	0.14 J	0.28	0.0848
10061-01-5	cis-1,3-Dichloropropene	ND U	0.91	0.273
75-25-2	Bromoform	ND U	1.2	0.362
591-78-6	2-Hexanone	ND U	2.4	0.727
108-10-1	4-Methyl-2-Pentanone	ND U	1.5	0.451
127-18-4	Tetrachloroethene	ND U	0.76	0.229
108-88-3	Toluene	ND U	1.1	0.325
108-90-7	Chlorobenzene	ND U	0.82	0.246
100-41-4	Ethylbenzene	ND U	0.10	0.0307
100-42-5	Styrene	ND U	0.19	0.0574

ANALYTICAL REPORT

Client: RMT, Inc. - Madison Office
Project: Tecumseh Products

Sampled: 03/23/04 @ 00:00
Sampler: J.S.
Received: 03/25/04 @ 08:25
Prepared: n/a
Prep. Method: n/a
Analyzed: 03/30/04 by JDM
Anal. Method: USEPA-8260B
QC Batch: 94106 -130
Anal. Batch: 214000
Percent Solids: n/a
Dilution Factor: 1

Submittal #: 36274-4
Submittal: March 2004 Samples

Sample ID: Trip Blank
Sample #: 356860
Matrix: Ground Water
Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
1330-20-7	Xylene (Total)	ND U	0.74	0.102

QUALITY CONTROL REPORT

Parameter: Chloride
 Method: Colorimetric, Automated Ferricyanide 325.2/4500-CL E WATER
 Units: mg/L

Instrument Blank

Test Date	Analytical Batch Number	Analyst	Blank Conc
03/31/04	214078	JLB	<1.0

Laboratory Control Sample

Test Date	Analytical Batch #	Analyst	Spike Qty	Spike Result	Recovery	QC Limits
03/31/04	214078	JLB	43.5	42.2	97	94-109

Matrix Spike Recovery

Sample Number	Test Date	QC Batch #	Analyst	Sample Conc	Spike Qty	Sample +Spike	Recovery	QC Limits
356855	03/31/04	94137	JLB	94	250	346	101	72-125
356855	03/31/04	94137	JLB	94	250	348	102	72-125

Matrix Spike Duplicate

Sample Number	Test Date	QC Batch #	Analyst	Sample+Spike Conc #1	Sample+Spike Conc #2	RPD	QC Limits
356855	03/31/04	94137	JLB	346	348	1	0- 20

QUALITY CONTROL REPORT

METHOD PREPARATION BLANK

Fraction: Quality Control Fraction
 Method: Volatiles Purge & Trap-GC/MS
 Analyst: James D. McFadden
 Units: ug/L
 QC Batch: 94106-129

Test Date: 03/29/04

Parameter	Blank Concentration	Quantitation Limit
Chloromethane	ND U	1.0
Vinyl Chloride	ND U	1.0
Bromomethane	ND U	1.0
Chloroethane	ND U	1.0
1,1-Dichloroethylene	ND U	1.0
Carbon Disulfide	ND U	5.0
Acetone	ND U	50
Methylene Chloride	ND U	1.0
trans-1,2-Dichloroethene	ND U	1.0
1,1-Dichloroethane	ND U	1.0
cis-1,2-Dichloroethene	ND U	1.0
Methyl Ethyl Ketone	ND U	50
Chloroform	ND U	1.0
1,1,1-Trichloroethane	ND U	1.0
Carbon Tetrachloride	ND U	1.0
Benzene	ND U	1.0
1,2-Dichloroethane	ND U	1.0
Trichloroethene	ND U	1.0
1,2-Dichloropropane	ND U	1.0
Dichlorobromomethane	ND U	1.0
cis-1,3-Dichloropropene	ND U	1.0
4-Methyl-2-Pentanone	ND U	50
Toluene	ND U	1.0
trans-1,3-Dichloropropene	ND U	1.0
1,1,2-Trichloroethane	ND U	1.0
Tetrachloroethene	ND U	1.0
2-Hexanone	ND U	50
Chlorodibromomethane	ND U	1.0
Chlorobenzene	ND U	1.0
1,1,2,2-Tetrachloroethane	ND U	1.0
Ethylbenzene	ND U	1.0
Xylene (Total)	ND U	3.0
Styrene	ND U	1.0
Bromoform	ND U	1.0

QUALITY CONTROL REPORT

METHOD PREPARATION BLANK

Fraction: Quality Control Fraction
 Method: Volatiles Purge & Trap-GC/MS
 Analyst: James D. McFadden
 Units: ug/L
 QC Batch: 94106-105

Test Date: 04/05/04

Parameter	Blank Concentration	Quantitation Limit
Chloromethane	ND U	1.0
Vinyl Chloride	ND U	1.0
Bromomethane	ND U	1.0
Chloroethane	ND U	1.0
1,1-Dichloroethylene	ND U	1.0
Carbon Disulfide	ND U	1.0
Acetone	ND U	10
Methylene Chloride	ND U	1.0
trans-1,2-Dichloroethene	ND U	1.0
1,1-Dichloroethane	ND U	1.0
cis-1,2-Dichloroethene	ND U	1.0
Methyl Ethyl Ketone	ND U	10
Chloroform	ND U	1.0
1,1,1-Trichloroethane	ND U	1.0
Carbon Tetrachloride	ND U	1.0
Benzene	ND U	1.0
1,2-Dichloroethane	ND U	1.0
Trichloroethene	ND U	1.0
1,2-Dichloropropane	ND U	1.0
Dichlorobromomethane	ND U	1.0
cis-1,3-Dichloropropene	ND U	1.0
4-Methyl-2-Pentanone	ND U	10
Toluene	ND U	1.0
trans-1,3-Dichloropropene	ND U	1.0
1,1,2-Trichloroethane	ND U	1.0
Tetrachloroethene	ND U	1.0
2-Hexanone	ND U	10
Chlorodibromomethane	ND U	1.0
Chlorobenzene	ND U	1.0
1,1,2,2-Tetrachloroethane	ND U	1.0
Ethylbenzene	ND U	1.0
Xylene (Total)	ND U	3.0
Styrene	ND U	1.0
Bromoform	ND U	1.0

QUALITY CONTROL REPORT

METHOD PREPARATION BLANK

Fraction: Quality Control Fraction
 Method: Volatiles Purge & Trap-GC/MS
 Analyst: James D. McFadden
 Units: ug/L
 QC Batch: 94106-106

Test Date: 04/06/04

Parameter	Blank Concentration	Quantitation Limit
Chloromethane	ND U	1.0
Vinyl Chloride	ND U	1.0
Bromomethane	ND U	1.0
Chloroethane	ND U	1.0
1,1-Dichloroethylene	ND U	1.0
Carbon Disulfide	ND U	1.0
Acetone	ND U	10
Methylene Chloride	ND U	1.0
trans-1,2-Dichloroethene	ND U	1.0
1,1-Dichloroethane	ND U	1.0
cis-1,2-Dichloroethene	ND U	1.0
Methyl Ethyl Ketone	ND U	10
Chloroform	ND U	1.0
1,1,1-Trichloroethane	ND U	1.0
Carbon Tetrachloride	ND U	1.0
Benzene	ND U	1.0
1,2-Dichloroethane	ND U	1.0
Trichloroethene	ND U	1.0
1,2-Dichloropropane	ND U	1.0
Dichlorobromomethane	ND U	1.0
cis-1,3-Dichloropropene	ND U	1.0
4-Methyl-2-Pentanone	ND U	10
Toluene	ND U	1.0
trans-1,3-Dichloropropene	ND U	1.0
1,1,2-Trichloroethane	ND U	1.0
Tetrachloroethene	ND U	1.0
2-Hexanone	ND U	10
Chlorodibromomethane	ND U	1.0
Chlorobenzene	ND U	1.0
1,1,2,2-Tetrachloroethane	ND U	1.0
Ethylbenzene	ND U	1.0
Xylene (Total)	ND U	3.0
Styrene	ND U	1.0
Bromoform	ND U	1.0

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QUALITY CONTROL REPORT

METHOD PREPARATION BLANK

Fraction: Volatile Organics USEPA Method 8260B/624
 Method: Volatiles Purge & Trap-GC/MS
 Analyst: James D. McFadden Test Date: 03/30/04
 Units: ug/L
 QC Batch: 94106-130

Parameter	Blank Concentration	Quantitation Limit
Acetone	ND U	50
Benzene	ND U	1.0
Bromoform	ND U	1.0
Bromomethane	ND U	1.0
Carbon Disulfide	ND U	5.0
Carbon Tetrachloride	ND U	1.0
Chlorobenzene	ND U	1.0
Chloroethane	ND U	1.0
Chlorodibromomethane	ND U	1.0
Chloroform	ND U	1.0
Chloromethane	ND U	1.0
Dichlorobromomethane	ND U	1.0
1,1-Dichloroethane	ND U	1.0
1,2-Dichloroethane	ND U	1.0
1,1-Dichloroethylene	ND U	1.0
cis-1,2-Dichloroethene	ND U	1.0
trans-1,2-Dichloroethene	ND U	1.0
1,2-Dichloropropane	ND U	1.0
cis-1,3-Dichloropropene	ND U	1.0
trans-1,3-Dichloropropene	ND U	1.0
Ethylbenzene	ND U	1.0
2-Hexanone	ND U	50
Methylene Chloride	ND U	5.0
Methyl Ethyl Ketone	ND U	50
4-Methyl-2-Pentanone	ND U	50
Styrene	ND U	1.0
Tetrachloroethene	ND U	1.0
1,1,2,2-Tetrachloroethane	ND U	1.0
Toluene	ND U	1.0
1,1,1-Trichloroethane	ND U	1.0
1,1,2-Trichloroethane	ND U	1.0
Trichloroethene	ND U	1.0
Vinyl Chloride	ND U	1.0
Xylene (Total)	ND U	3.0

QUALITY CONTROL REPORT

LABORATORY FORTIFIED BLANK

Fraction: Volatile Organics USEPA-8260B Scan
Method: Volatiles Purge & Trap-GC/MS
Analyst: James D. McFadden Test Date: 03/30/04
Units: ug/L
QC Batch: 94106-130

Parameter	Spike Quantity	Spike Result	Spike % Rec	Control Limits
Benzene	40.0	41.2	103	79 - 120
Chlorobenzene	40.0	35.7	89	79 - 122
1,1-Dichloroethylene	40.0	45.5	114	72 - 126
Toluene	40.0	36.8	92	79 - 126
Trichloroethene	40.0	38.3	96	71 - 127

QUALITY CONTROL REPORT

LABORATORY FORTIFIED BLANK

Fraction: Volatile Organics USEPA-8260B Scan
Method: Volatiles Purge & Trap-GC/MS
Analyst: James D. McFadden Test Date: 03/29/04
Units: ug/L
QC Batch: 94106-129

Parameter	Spike Quantity	Spike Result	Spike % Rec	Control Limits
Benzene	40.0	44.0	110	79 - 120
Chlorobenzene	40.0	39.3	98	79 - 122
1,1-Dichloroethylene	40.0	44.4	111	72 - 126
Toluene	40.0	39.6	99	79 - 126
Trichloroethene	40.0	41.7	104	71 - 127

QUALITY CONTROL REPORT

LABORATORY FORTIFIED BLANK

Fraction: Volatile Organics USEPA-8260B Scan
Method: Volatiles Purge & Trap-GC/MS
Analyst: James D. McFadden Test Date: 04/05/04
Units: ug/L
QC Batch: 94106-105

Parameter	Spike Quantity	Spike Result	Spike % Rec	Control Limits
Benzene	40.0	38.0	95	79 - 120
Chlorobenzene	40.0	41.8	105	79 - 122
1,1-Dichloroethylene	40.0	39.1	98	72 - 126
Toluene	40.0	42.5	106	79 - 126
Trichloroethene	40.0	39.3	98	71 - 127

QUALITY CONTROL REPORT

LABORATORY FORTIFIED BLANK

Fraction: Volatile Organics USEPA-8260B Scan
Method: Volatiles Purge & Trap-GC/MS
Analyst: James D. McFadden Test Date: 04/06/04
Units: ug/L
QC Batch: 94106-106

Parameter	Spike Quantity	Spike Result	Spike % Rec	Control Limits
Benzene	40.0	37.6	94	79 - 120
Chlorobenzene	40.0	37.9	95	79 - 122
1,1-Dichloroethylene	40.0	37.6	94	72 - 126
Toluene	40.0	36.7	92	79 - 126
Trichloroethene	40.0	38.0	95	71 - 127

QUALITY CONTROL REPORT

MATRIX SPIKE RECOVERY

Fraction: Volatile Organics USEPA-8260B Scan
 Method: Volatiles Purge & Trap-GC/MS USEPA-8260B WATER
 Analyst: James D. McFadden Test Date: 04/06/04
 Sample No: 356858
 Units: ug/L
 QC Batch: 94106-106

Parameter	Sample Conc	Spike Quantity	Sample +Spike	Spike % Rec	Control Limits
Benzene	ND U	4000	4230	106	81 - 132
Chlorobenzene	ND U	4000	4180	105	83 - 128
1,1-Dichloroethylene	ND U	4000	4450	111	74 - 148
Toluene	ND U	4000	4100	103	82 - 134
Trichloroethene	7400	4000	12500	128	73 - 139

QUALITY CONTROL REPORT

MATRIX SPIKE RECOVERY

Fraction: Volatile Organics USEPA-8260B Scan
 Method: Volatiles Purge & Trap-GC/MS USEPA-8260B WATER
 Analyst: James D. McFadden Test Date: 04/06/04
 Sample No: 356858
 Units: ug/L
 QC Batch: 94106-106

Parameter	Sample Conc	Spike Quantity	Sample +Spike	Spike % Rec	Control Limits
Benzene	ND U	4000	4090	102	81 - 132
Chlorobenzene	ND U	4000	4080	102	83 - 128
1,1-Dichloroethylene	ND U	4000	4220	106	74 - 148
Toluene	ND U	4000	3990	100	82 - 134
Trichloroethene	7400	4000	12700	133	73 - 139

QUALITY CONTROL REPORT

MATRIX SPIKE DUPLICATE

Fraction: Volatile Organics USEPA-8260B Scan
 Method: Volatiles Purge & Trap-GC/MS USEPA-8260B WATER
 Analyst: James D. McFadden Test Date: 04/06/04
 Sample No: 356858
 Units: ug/L
 QC Batch: 94106-106

Parameter	Sample+Spike Conc #1	Sample+Spike Conc #2	Relative % Diff.	Control Limits
Benzene	4230	4090	3	0 - 16
Chlorobenzene	4180	4080	2	0 - 16
1,1-Dichloroethylene	4450	4220	5	0 - 20
Toluene	4100	3990	3	0 - 17
Trichloroethene	12500	12700	2	0 - 18

QUALITY CONTROL REPORT
SURROGATE RECOVERIES

Method: Volatiles Purge & Trap-GC/MS

USEPA-8260B

WATER

Surrogate Compound List

 SUR-1: Dibromofluoromethane-sur SUR-4: 4-Bromofluorobenzene-sur
 SUR-2: d4-1,2-Dichloroethane-sur
 SUR-3: d8-Toluene-sur

% R = Percent Recovery

Compounds:		SUR-1	SUR-2	SUR-3	SUR-4
Control Limits:		79-124	75-128	87-113	70-121
Sample # / ID	Batch	% R	% R	% R	% R
-----	-----	---	---	---	---
MPB-01	94106-129	114	126	90	94
MPB-01	94106-130	109	126	91	98
MPB-01	94106-105	100	101	95	98
LFB-01	94106-129	109	119	96	103
LFB-01	94106-130	110	126	95	105
LFB-01	94106-105	101	101	104	102
356858SPK	94106-106	100	98	92	97
356858SPK	94106-106	102	98	93	96
356854	94106-129	113	127	91	99
356855	94106-129	113	127	91	99
356856	94106-105	100	102	108	96
356857	94106-130	112	126	89	94
356858	94106-105	98	100	103	94
356859	94106-105	99	99	91	96
356860	94106-130	112	126	89	94

STATEMENT OF DATA QUALIFICATIONS

All analyses have been validated and comply with our Quality Control Program. No qualifications required.

Page 1 - End of Statement of Data Qualifications

Note: This document is included as a part of the analytical report for the above referenced project and submittal, and should be retained as a permanent record thereof.



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

Chain of Custody Record

COC No. 098712

For Lab Use Only

Cart 4

VOA Rack/Tray
157-B (in pres) 701-B (pre)
 Receipt Log No.
35-4

Project Chemist
JLK

Laboratory Project No.
36274-4

Client Name
RMT

Address
744 Heartland Trail
 Madison, WI 53717

Phone
608-831-4444
 Fax
608-831-3334

Project Name
TPC

Client Project No. / P.O. No.
3084.28

Invoice To Client
 Other (comments)

Contact/Report To
Alyssa Sellwood

Analyses Requested

<u>D</u>	<u>A</u>	<u>A</u>																	
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*CuCl₂ chloride VFA's **

- ← PRESERVATIVES
- A NONE pH<7
 - B HNO₃ pH<2
 - C H₂SO₄ pH<2
 - D 1+1 HCl pH<2
 - E NaOH pH>12
 - F ZnAc/NaOH pH>9
 - G MeOH
 - H Other (note below)

Test Group	Matrix Code	Laboratory Sample Number	Sample ID	Cooler ID	Sample Date	Sample Time	C O M P	G R A B	Matrix	Container Type (corresponds to Container Packing List)										Total	Sample Comments				
										Number of Containers Submitted															
01	WG6	356854	MW-8	TMO318	3/24	1225			W	2	1	2											5	use lowest	
		356855	MW-8D		3/24	1150			W	2	1	2												5	possible
		356856	MW-23		3/24	1100			W	2	1	2												5	quantitative limits.
		356857	MW-24		3/24	1010			W	2	1	2												5	"
		356858	MW-25		3/23	1330			W	2	1	2												5	"
		356859	MW-26		3/23	1240			W	2	1	2												5	"
02	WQ	356860	Trip Blank		-	-			W	1														1	

Sampled By (print)
Jason Schae phoester
 Sampler's Signature
[Signature]

How Shipped? Hand Carrier Fed Ex
 Tracking No.

Comments
*VFA's to be analyzed for: Acetic, Propionic, Pyruvic, Lactic, Butyric

Company
RMT same as above -

1. Relinquished By [Signature] Date 3/24/04 Time 15:00

2. Relinquished By _____ Date _____ Time _____

3. Relinquished By _____ Date _____ Time _____

3. Received For Lab By [Signature] Date 3/25/04 Time 8:25

MICROSEEPS

Client Name: TriMatrix
Contact: Jennifer Rice
Address: 5560 Corporate Exchange C

Page 1 of 7
Order #: P0404045
Report Date: 04/09/04
Client Proj Name: TPC
Client Proj #: 36274-4

Grand Rapids, MI 49512

Laboratory Results

Total pages in data package: 8

<u>Lab Sample #</u>	<u>Client Sample ID</u>
P0404045-01	MW-8
P0404045-02	MW-8D
P0404045-03	MW-23
P0404045-04	MW-24
P0404045-05	MW-25
P0404045-06	MW-26

Microseeps test results meet all the requirements of the NPLAC standards.

Approved By: Rebecca Johnson

The analytical results reported here are reliable and usable to the precision expressed in this report. As required by some regulating authorities, a full discussion of the uncertainty in our analytical results can be obtained at our web site or through customer service. Unless otherwise specified, all results are reported on a wet weight basis.

NOTES:

Order #: P0404045
 Report Date: 04/09/04
 Client Proj Name: TPC
 Client Proj #: 36274-4

Client Name: TriMatrix
 Contact: Jennifer Rice
 Address: 5560 Corporate Exchange C
 Grand Rapids, MI 49512

Lab Sample #: P0404045-01

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received</u>			
MW-8	Water	24 Mar. 04 12:25	02 Apr. 04			
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analyst</u>	<u>Analysis Date</u>
<u>SemiVolatiles</u>						
Acetic Acid	3.3	1.0	mg/L	AM21G	jb	4/7/04
Butyric acid	<1.0	1.0	mg/L	AM21G	jb	4/7/04
Lactic Acid	<25	25	mg/L	AM21G	jb	4/7/04
Propionic acid	<1.0	1.0	mg/L	AM21G	jb	4/7/04
Pyruvic acid	<10	10	mg/L	AM21G	jb	4/7/04

Order #: P0404045
 Report Date: 04/09/04
 Client Proj Name: TPC
 Client Proj #: 36274-4

Client Name: TriMatrix
 Contact: Jennifer Rice
 Address: 5560 Corporate Exchange C
 Grand Rapids, MI 49512

Lab Sample #: P0404045-02

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received</u>			
MW-8D	Water	24 Mar. 04 11:50	02 Apr. 04			
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analyst</u>	<u>Analysis Date</u>
<u>SemiVolatiles</u>						
Acetic Acid	15	1.0	mg/L	AM21G	jb	4/7/04
Butyric acid	<1.0	1.0	mg/L	AM21G	jb	4/7/04
Lactic Acid	<25	25	mg/L	AM21G	jb	4/7/04
Propionic acid	17	1.0	mg/L	AM21G	jb	4/7/04
Pyruvic acid	<10	10	mg/L	AM21G	jb	4/7/04

Order #: P0404045
 Report Date: 04/09/04
 Client Proj Name: TPC
 Client Proj #: 36274-4

Client Name: TriMatrix
 Contact: Jennifer Rice
 Address: 5560 Corporate Exchange C
 Grand Rapids, MI 49512

Lab Sample #: P0404045-03

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received</u>
MW-23	Water	24 Mar. 04 11:00	02 Apr. 04

<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analyst</u>	<u>Analysis Date</u>
<u>SemiVolatiles</u>						
Acetic Acid	450	10	mg/L	AM21G	jb	4/8/04
Butyric acid	<1.0	1.0	mg/L	AM21G	jb	4/7/04
Lactic Acid	<25	25	mg/L	AM21G	jb	4/7/04
Propionic acid	68	1.0	mg/L	AM21G	jb	4/7/04
Pyruvic acid	<10	10	mg/L	AM21G	jb	4/7/04

Order #: P0404045
 Report Date: 04/09/04
 Client Proj Name: TPC
 Client Proj #: 36274-4

Client Name: TriMatrix
 Contact: Jennifer Rice
 Address: 5560 Corporate Exchange C
 Grand Rapids, MI 49512

Lab Sample #: P0404045-04

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received</u>			
MW-24	Water	24 Mar. 04 10:10	02 Apr. 04			
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analyst</u>	<u>Analysis Date</u>
SemiVolatiles						
Acetic Acid	<1.0	1.0	mg/L	AM21G	jb	4/7/04
Butyric acid	<1.0	1.0	mg/L	AM21G	jb	4/7/04
Lactic Acid	<25	25	mg/L	AM21G	jb	4/7/04
Propionic acid	<1.0	1.0	mg/L	AM21G	jb	4/7/04
Pyruvic acid	<10	10	mg/L	AM21G	jb	4/7/04

Order #: P0404045
 Report Date: 04/09/04
 Client Proj Name: TPC
 Client Proj #: 36274-4

Client Name: TriMatrix
 Contact: Jennifer Rice
 Address: 5560 Corporate Exchange C
 Grand Rapids, MI 49512

Lab Sample #: P0404045-05

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received</u>
MW-25	Water	24 Mar. 04 13:30	02 Apr. 04

<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analyst</u>	<u>Analysis Date</u>
<u>SemiVolatiles</u>						
Acetic Acid	<1.0	1.0	mg/L	AM21G	jb	4/7/04
Butyric acid	<1.0	1.0	mg/L	AM21G	jb	4/7/04
Lactic Acid	<25	25	mg/L	AM21G	jb	4/7/04
Propionic acid	<1.0	1.0	mg/L	AM21G	jb	4/7/04
Pyruvic acid	<10	10	mg/L	AM21G	jb	4/7/04

Order #: P0404045
 Report Date: 04/09/04
 Client Proj Name: TPC
 Client Proj #: 36274-4

Client Name: TriMatrix
 Contact: Jennifer Rice
 Address: 5560 Corporate Exchange C
 Grand Rapids, MI 49512

Lab Sample #: P0404045-06

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received</u>			
MW-26	Water	24 Mar. 04 12:40	02 Apr. 04			
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analyst</u>	<u>Analysis Date</u>
<u>SemiVolatiles</u>						
Acetic Acid	<1.0	1.0	mg/L	AM21G	jb	4/7/04
Butyric acid	<1.0	1.0	mg/L	AM21G	jb	4/7/04
Lactic Acid	<25	25	mg/L	AM21G	jb	4/7/04
Propionic acid	<1.0	1.0	mg/L	AM21G	jb	4/7/04
Pyruvic acid	<10	10	mg/L	AM21G	jb	4/7/04

August 2004

August 26, 2004

RMT, Inc. - Madison Office
Attn: Ms. Alyssa Sellwood
744 Heartland Trail
Madison, WI 53717

RE: Tecumseh Products
Submittal Number: 36274-5
PO: 3084.27

Dear Ms. Alyssa Sellwood:

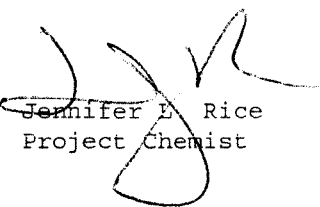
Enclosed is a copy of your laboratory report for test samples received by our laboratory on August 12, 2004.

Please note that the test results of the enclosed analyses relate only to the sample(s) as received at the laboratory, and are in compliance with the requirements of the National Environmental Laboratory Accreditation Conference (NELAC) standards. Qualification of test standards, including sample acceptance requirements, are presented within the Statement of Data Qualifications.

Estimates of analytical uncertainties for the test results contained within this report are available upon request.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,


Jennifer L. Rice
Project Chemist

Enclosure(s)

The total number of pages in this report, including this page, is 33.

ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 08/11/04 @ 12:00
 Sampler: J.Schoephoester
 Received: 08/12/04 @ 08:35

 Submittal #: 36274-5
 Submittal: August 2004 Samples

 Sample ID: MW-8
 Sample #: 367757
 Matrix: Ground Water

Percent Solids: n/a

Parameter	Analytical Result	Reporting Limit	MDL	Unit	Analysis Date	Chem	Reference Citation
Chloride	459	5.0	1.93	mg/L	08/23/04	JLB	325.2/4500-CL E

ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 08/11/04 @ 12:00
 Sampler: J.Schoephoester
 Received: 08/12/04 @ 08:35
 Prepared: n/a
 Prep. Method: n/a
 Analyzed: 08/17/04 by LEW
 Anal. Method: USEPA-8260B
 QC Batch: 98343 -117
 Anal. Batch: 220345
 Percent Solids: n/a
 Dilution Factor: 10

 Submittal #: 36274-5
 Submittal: August 2004 Samples

 Sample ID: MW-8
 Sample #: 367757
 Matrix: Ground Water
 Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
74-87-3	Chloromethane	ND U	4.9	1.48
74-83-9	Bromomethane	ND U	10	3.02
75-01-4	Vinyl Chloride	27	4.8	1.45
75-00-3	Chloroethane	1000	14	4.24
75-09-2	Methylene Chloride	ND U	6.6	1.98
67-64-1	Acetone	130	54	16.3
75-15-0	Carbon Disulfide	9.9	7.0	2.11
75-35-4	1,1-Dichloroethylene	ND U	4.0	1.20
75-34-3	1,1-Dichloroethane	550	3.8	1.14
156-59-2	cis-1,2-Dichloroethene	11	6.0	1.80
156-60-5	trans-1,2-Dichloroethene	19	2.4	0.726
67-66-3	Chloroform	ND U	4.2	1.25
107-06-2	1,2-Dichloroethane	14	4.7	1.41
79-01-6	Trichloroethene	ND U	4.0	1.19
78-93-3	2-Butanone	ND U	79	23.6
71-55-6	1,1,1-Trichloroethane	66	12	3.48
56-23-5	Carbon Tetrachloride	ND U	4.8	1.45
75-27-4	Dichlorobromomethane	ND U	2.9	0.884
79-34-5	1,1,2,2-Tetrachloroethane	ND U	2.9	0.859
78-87-5	1,2-Dichloropropane	8.2 J	15	4.65
10061-02-6	trans-1,3-Dichloropropene	ND U	5.7	1.70
124-48-1	Chlorodibromomethane	ND U	2.9	0.868
79-00-5	1,1,2-Trichloroethane	ND U	11	3.23
71-43-2	Benzene	1.8 J	2.2	0.672
10061-01-5	cis-1,3-Dichloropropene	ND U	4.4	1.34
75-25-2	Bromoform	ND U	4.0	1.20
591-78-6	2-Hexanone	ND U	29	8.61
108-10-1	4-Methyl-2-Pentanone	48	27	8.22
127-18-4	Tetrachloroethene	1.5 J	4.8	1.45
108-88-3	Toluene	39	3.2	0.968
108-90-7	Chlorobenzene	ND U	3.7	1.10
100-41-4	Ethylbenzene	6.7	2.8	0.826
100-42-5	Styrene	ND U	5.9	1.77

ANALYTICAL REPORT

Client: RMT, Inc. - Madison Office
Project: Tecumseh Products

Sampled: 08/11/04 @ 12:00
Sampler: J.Schoephoester
Received: 08/12/04 @ 08:35
Prepared: n/a
Prep. Method: n/a
Analyzed: 08/17/04 by LEW
Anal. Method: USEPA-8260B
QC Batch: 98343 -117
Anal. Batch: 220345
Percent Solids: n/a
Dilution Factor: 10

Submittal #: 36274-5
Submittal: August 2004 Samples

Sample ID: MW-8
Sample #: 367757
Matrix: Ground Water
Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
1330-20-7	Xylene (Total)	60	12	1.12

ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 08/11/04 @ 11:15
 Sampler: J.Schoephoester
 Received: 08/12/04 @ 08:35

 Submittal #: 36274-5
 Submittal: August 2004 Samples

 Sample ID: MW-8D
 Sample #: 367758
 Matrix: Ground Water

Percent Solids: n/a

Parameter	Analytical Result	Reporting Limit	MDL	Unit	Analysis Date	Chem	Reference Citation
Chloride	121	2.0	0.772	mg/L	08/23/04	JLB	325.2/4500-CL E

ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 08/11/04 @ 11:15
 Sampler: J.Schoephoester
 Received: 08/12/04 @ 08:35
 Prepared: n/a
 Prep. Method: n/a
 Analyzed: 08/17/04 by LEW
 Anal. Method: USEPA-8260B
 QC Batch: 98343 -117
 Anal. Batch: 220345
 Percent Solids: n/a
 Dilution Factor: 1

 Submittal #: 36274-5
 Submittal: August 2004 Samples

 Sample ID: MW-8D
 Sample #: 367758
 Matrix: Ground Water
 Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
74-87-3	Chloromethane	ND U	0.49	0.148
74-83-9	Bromomethane	ND U	1.0	0.302
75-01-4	Vinyl Chloride	5.5	0.48	0.145
75-00-3	Chloroethane	ND U	1.4	0.424
75-09-2	Methylene Chloride	ND U	0.66	0.198
67-64-1	Acetone	ND U	5.4	1.63
75-15-0	Carbon Disulfide	0.49 J	0.70	0.211
75-35-4	1,1-Dichloroethylene	3.1	0.40	0.120
75-34-3	1,1-Dichloroethane	40	0.38	0.114
156-59-2	cis-1,2-Dichloroethene	4.9	0.60	0.180
156-60-5	trans-1,2-Dichloroethene	0.68	0.24	0.0726
67-66-3	Chloroform	ND U	0.42	0.125
107-06-2	1,2-Dichloroethane	0.84	0.47	0.141
79-01-6	Trichloroethene	4.6	0.40	0.119
78-93-3	2-Butanone	ND U	7.8	2.36
71-55-6	1,1,1-Trichloroethane	5.3	1.2	0.348
56-23-5	Carbon Tetrachloride	ND U	0.48	0.145
75-27-4	Dichlorobromomethane	ND U	0.29	0.0884
79-34-5	1,1,2,2-Tetrachloroethane	ND U	0.28	0.0859
78-87-5	1,2-Dichloropropane	1.0	0.47	0.465
10061-02-6	trans-1,3-Dichloropropene	ND U	0.57	0.170
124-48-1	Chlorodibromomethane	ND U	0.29	0.0868
79-00-5	1,1,2-Trichloroethane	ND U	1.1	0.323
71-43-2	Benzene	0.13 J	0.22	0.0672
10061-01-5	cis-1,3-Dichloropropene	ND U	0.45	0.134
75-25-2	Bromoform	ND U	0.40	0.120
591-78-6	2-Hexanone	ND U	2.9	0.861
108-10-1	4-Methyl-2-Pentanone	ND U	2.7	0.822
127-18-4	Tetrachloroethene	ND U	0.48	0.145
108-88-3	Toluene	0.31 J	0.32	0.0968
108-90-7	Chlorobenzene	ND U	0.37	0.110
100-41-4	Ethylbenzene	0.58	0.27	0.0826
100-42-5	Styrene	ND U	0.59	0.177

ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 08/11/04 @ 11:15
 Sampler: J.Schoephoester
 Received: 08/12/04 @ 08:35
 Prepared: n/a
 Prep. Method: n/a
 Analyzed: 08/17/04 by LEW
 Anal. Method: USEPA-8260B
 QC Batch: 98343 -117
 Anal. Batch: 220345
 Percent Solids: n/a
 Dilution Factor: 1

 Submittal #: 36274-5
 Submittal: August 2004 Samples

 Sample ID: MW-8D
 Sample #: 367758
 Matrix: Ground Water
 Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
1330-20-7	Xylene (Total)	ND U	1.2	0.112

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ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 08/11/04 @ 10:30
 Sampler: J.Schoephoester
 Received: 08/12/04 @ 08:35

 Submittal #: 36274-5
 Submittal: August 2004 Samples

 Sample ID: MW-23
 Sample #: 367759
 Matrix: Ground Water

Percent Solids: n/a

Parameter	Analytical Result	Reporting Limit	MDL	Unit	Analysis Date	Chem	Reference Citation
Chloride	309	5.0	1.93	mg/L	08/23/04	JLB	325.2/4500-CL E

ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 08/11/04 @ 10:30
 Sampler: J.Schoephoester
 Received: 08/12/04 @ 08:35
 Prepared: n/a
 Prep. Method: n/a
 Analyzed: 08/17/04 by LEW
 Anal. Method: USEPA-8260B
 QC Batch: 98343 -117
 Anal. Batch: 220345
 Percent Solids: n/a
 Dilution Factor: 50

 Submittal #: 36274-5
 Submittal: August 2004 Samples

 Sample ID: MW-23
 Sample #: 367759
 Matrix: Ground Water
 Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
74-87-3	Chloromethane	ND U	25	7.40
74-83-9	Bromomethane	ND U	50	15.1
75-01-4	Vinyl Chloride	55	24	7.25
75-00-3	Chloroethane	7900	71	21.2
75-09-2	Methylene Chloride	31 J	33	9.90
67-64-1	Acetone	880	270	81.5
75-15-0	Carbon Disulfide	38	35	10.6
75-35-4	1,1-Dichloroethylene	ND U	20	6.00
75-34-3	1,1-Dichloroethane	690	19	5.70
156-59-2	cis-1,2-Dichloroethene	52	30	9.00
156-60-5	trans-1,2-Dichloroethene	78	12	3.63
67-66-3	Chloroform	ND U	21	6.25
107-06-2	1,2-Dichloroethane	110	23	7.05
79-01-6	Trichloroethene	ND U	20	5.95
78-93-3	2-Butanone	ND U	390	118
71-55-6	1,1,1-Trichloroethane	32 J	58	17.4
56-23-5	Carbon Tetrachloride	ND U	24	7.25
75-27-4	Dichlorobromomethane	ND U	15	4.42
79-34-5	1,1,2,2-Tetrachloroethane	ND U	14	4.30
78-87-5	1,2-Dichloropropane	ND U	77	23.3
10061-02-6	trans-1,3-Dichloropropene	ND U	28	8.50
124-48-1	Chlorodibromomethane	ND U	14	4.34
79-00-5	1,1,2-Trichloroethane	ND U	54	16.2
71-43-2	Benzene	24	11	3.36
10061-01-5	cis-1,3-Dichloropropene	ND U	22	6.70
75-25-2	Bromoform	ND U	20	6.00
591-78-6	2-Hexanone	ND U	140	43.1
108-10-1	4-Methyl-2-Pentanone	ND U	140	41.1
127-18-4	Tetrachloroethene	ND U	24	7.25
108-88-3	Toluene	110	16	4.84
108-90-7	Chlorobenzene	ND U	18	5.50
100-41-4	Ethylbenzene	13 J	14	4.13
100-42-5	Styrene	ND U	29	8.85

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ANALYTICAL REPORT

Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Submittal #: 36274-5
 Submittal: August 2004 Samples

 Sample ID: MW-23
 Sample #: 367759
 Matrix: Ground Water
 Unit: ug/L

Sampled: 08/11/04 @ 10:30
 Sampler: J.Schoephoester
 Received: 08/12/04 @ 08:35
 Prepared: n/a
 Prep. Method: n/a
 Analyzed: 08/17/04 by LEW
 Anal. Method: USEPA-8260B
 QC Batch: 98343 -117
 Anal. Batch: 220345
 Percent Solids: n/a
 Dilution Factor: 50

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
1330-20-7	Xylene (Total)	13 J	60	5.60

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ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 08/11/04 @ 09:40
 Sampler: J.Schoephoester
 Received: 08/12/04 @ 08:35

 Submittal #: 36274-5
 Submittal: August 2004 Samples

 Sample ID: MW-24
 Sample #: 367760
 Matrix: Ground Water

Percent Solids: n/a

Parameter	Analytical Result	Reporting Limit	MDL	Unit	Analysis Date	Chem	Reference Citation
Chloride	143	2.0	0.772	mg/L	08/23/04	JLB	325.2/4500-CL E

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ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 08/11/04 @ 09:40
 Sampler: J.Schoephoester
 Received: 08/12/04 @ 08:35
 Prepared: n/a
 Prep. Method: n/a
 Analyzed: 08/17/04 by LEW
 Anal. Method: USEPA-8260B
 QC Batch: 98343 -117
 Anal. Batch: 220345
 Percent Solids: n/a
 Dilution Factor: 1

 Submittal #: 36274-5
 Submittal: August 2004 Samples

 Sample ID: MW-24
 Sample #: 367760
 Matrix: Ground Water
 Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
74-87-3	Chloromethane	ND U	0.49	0.148
74-83-9	Bromomethane	ND U	1.0	0.302
75-01-4	Vinyl Chloride	0.76	0.48	0.145
75-00-3	Chloroethane	ND U	1.4	0.424
75-09-2	Methylene Chloride	ND U	0.66	0.198
67-64-1	Acetone	ND U	5.4	1.63
75-15-0	Carbon Disulfide	0.57 J	0.70	0.211
75-35-4	1,1-Dichloroethylene	0.26 J	0.40	0.120
75-34-3	1,1-Dichloroethane	0.63	0.38	0.114
156-59-2	cis-1,2-Dichloroethene	1.2	0.60	0.180
156-60-5	trans-1,2-Dichloroethene	0.39	0.24	0.0726
67-66-3	Chloroform	ND U	0.42	0.125
107-06-2	1,2-Dichloroethane	ND U	0.47	0.141
79-01-6	Trichloroethene	ND U	0.40	0.119
78-93-3	2-Butanone	ND U	7.8	2.36
71-55-6	1,1,1-Trichloroethane	ND U	1.2	0.348
56-23-5	Carbon Tetrachloride	ND U	0.48	0.145
75-27-4	Dichlorobromomethane	ND U	0.29	0.0884
79-34-5	1,1,2,2-Tetrachloroethane	ND U	0.28	0.0859
78-87-5	1,2-Dichloropropane	ND U	0.47	0.465
10061-02-6	trans-1,3-Dichloropropene	ND U	0.57	0.170
124-48-1	Chlorodibromomethane	ND U	0.29	0.0868
79-00-5	1,1,2-Trichloroethane	ND U	1.1	0.323
71-43-2	Benzene	0.19 J	0.22	0.0672
10061-01-5	cis-1,3-Dichloropropene	ND U	0.45	0.134
75-25-2	Bromoform	ND U	0.40	0.120
591-78-6	2-Hexanone	ND U	2.9	0.861
108-10-1	4-Methyl-2-Pentanone	ND U	2.7	0.822
127-18-4	Tetrachloroethene	ND U	0.48	0.145
108-88-3	Toluene	ND U	0.32	0.0968
108-90-7	Chlorobenzene	ND U	0.37	0.110
100-41-4	Ethylbenzene	ND U	0.27	0.0826
100-42-5	Styrene	ND U	0.59	0.177

ANALYTICAL REPORT

Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products
 Submittal #: 36274-5
 Submittal: August 2004 Samples
 Sample ID: MW-24
 Sample #: 367760
 Matrix: Ground Water
 Unit: ug/L

Sampled: 08/11/04 @ 09:40
 Sampler: J.Schoephoester
 Received: 08/12/04 @ 08:35
 Prepared: n/a
 Prep. Method: n/a
 Analyzed: 08/17/04 by LEW
 Anal. Method: USEPA-8260B
 QC Batch: 98343 -117
 Anal. Batch: 220345
 Percent Solids: n/a
 Dilution Factor: 1

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
1330-20-7	Xylene (Total)	ND U	1.2	0.112

ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 08/10/04 @ 10:30
 Sampler: J.Schoephoester
 Received: 08/12/04 @ 08:35

 Submittal #: 36274-5
 Submittal: August 2004 Samples

 Sample ID: MW-25
 Sample #: 367761
 Matrix: Ground Water

Percent Solids: n/a

Parameter	Analytical Result	Reporting Limit	MDL	Unit	Analysis Date	Chem	Reference Citation
Chloride	41	1.0	0.386	mg/L	08/23/04	JLB	325.2/4500-CL E

ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 08/10/04 @ 10:30
 Sampler: J.Schoephoester
 Received: 08/12/04 @ 08:35
 Prepared: n/a
 Prep. Method: n/a
 Analyzed: 08/17/04 by LEW
 Anal. Method: USEPA-8260B
 QC Batch: 98343 -117
 Anal. Batch: 220345
 Percent Solids: n/a
 Dilution Factor: 20

 Submittal #: 36274-5
 Submittal: August 2004 Samples

 Sample ID: MW-25
 Sample #: 367761
 Matrix: Ground Water
 Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
74-87-3	Chloromethane	ND U	9.8	2.96
74-83-9	Bromomethane	ND U	20	6.04
75-01-4	Vinyl Chloride	37	9.6	2.90
75-00-3	Chloroethane	ND U	28	8.48
75-09-2	Methylene Chloride	ND U	13	3.96
67-64-1	Acetone	100 J	110	32.6
75-15-0	Carbon Disulfide	9.4 J	14	4.22
75-35-4	1,1-Dichloroethylene	5.5 J	8.0	2.40
75-34-3	1,1-Dichloroethane	ND U	7.6	2.28
156-59-2	cis-1,2-Dichloroethene	290	12	3.60
156-60-5	trans-1,2-Dichloroethene	7.0	4.8	1.45
67-66-3	Chloroform	ND U	8.3	2.50
107-06-2	1,2-Dichloroethane	ND U	9.4	2.82
79-01-6	Trichloroethene	2500	7.9	2.38
78-93-3	2-Butanone	ND U	160	47.2
71-55-6	1,1,1-Trichloroethane	ND U	23	6.96
56-23-5	Carbon Tetrachloride	ND U	9.6	2.90
75-27-4	Dichlorobromomethane	ND U	5.9	1.77
79-34-5	1,1,2,2-Tetrachloroethane	ND U	5.7	1.72
78-87-5	1,2-Dichloropropane	ND U	31	9.30
10061-02-6	trans-1,3-Dichloropropene	ND U	11	3.40
124-48-1	Chlorodibromomethane	ND U	5.8	1.74
79-00-5	1,1,2-Trichloroethane	ND U	21	6.46
71-43-2	Benzene	2.7 J	4.5	1.34
10061-01-5	cis-1,3-Dichloropropene	ND U	8.9	2.68
75-25-2	Bromoform	ND U	8.0	2.40
591-78-6	2-Hexanone	ND U	57	17.2
108-10-1	4-Methyl-2-Pentanone	ND U	55	16.4
127-18-4	Tetrachloroethene	ND U	9.6	2.90
108-88-3	Toluene	ND U	6.4	1.94
108-90-7	Chlorobenzene	ND U	7.3	2.20
100-41-4	Ethylbenzene	ND U	5.5	1.65
100-42-5	Styrene	ND U	12	3.54

ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 08/10/04 @ 10:30
 Sampler: J.Schoephoester
 Received: 08/12/04 @ 08:35
 Prepared: n/a
 Prep. Method: n/a
 Analyzed: 08/17/04 by LEW
 Anal. Method: USEPA-8260B
 QC Batch: 98343 -117
 Anal. Batch: 220345
 Percent Solids: n/a
 Dilution Factor: 20

 Submittal #: 36274-5
 Submittal: August 2004 Samples

 Sample ID: MW-25
 Sample #: 367761
 Matrix: Ground Water
 Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
1330-20-7	Xylene (Total)	ND U	23	2.24

ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 08/10/04 @ 11:20
 Sampler: J.Schoephoester
 Received: 08/12/04 @ 08:35

 Submittal #: 36274-5
 Submittal: August 2004 Samples

 Sample ID: MW-26
 Sample #: 367762
 Matrix: Ground Water

Percent Solids: n/a

Parameter	Analytical Result	Reporting Limit	MDL	Unit	Analysis Date	Chem	Reference Citation
Chloride	319	5.0	1.93	mg/L	08/23/04	JLB	325.2/4500-CL E

ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 08/10/04 @ 11:20
 Sampler: J.Schoephoester
 Received: 08/12/04 @ 08:35
 Prepared: n/a
 Prep. Method: n/a
 Analyzed: 08/18/04 by LEW
 Anal. Method: USEPA-8260B
 QC Batch: 98343 -118
 Anal. Batch: 220349
 Percent Solids: n/a
 Dilution Factor: 20

 Submittal #: 36274-5
 Submittal: August 2004 Samples

 Sample ID: MW-26
 Sample #: 367762
 Matrix: Ground Water
 Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
74-87-3	Chloromethane	ND U	9.8	2.96
74-83-9	Bromomethane	ND U	20	6.04
75-01-4	Vinyl Chloride	1900	9.6	2.90
75-00-3	Chloroethane	ND U	28	8.48
75-09-2	Methylene Chloride	ND U	13	3.96
67-64-1	Acetone	ND U	110	32.6
75-15-0	Carbon Disulfide	ND U	14	4.22
75-35-4	1,1-Dichloroethylene	22	8.0	2.40
75-34-3	1,1-Dichloroethane	270	7.6	2.28
156-59-2	cis-1,2-Dichloroethene	2900	12	3.60
156-60-5	trans-1,2-Dichloroethene	44	4.8	1.45
67-66-3	Chloroform	ND U	8.3	2.50
107-06-2	1,2-Dichloroethane	ND U	9.4	2.82
79-01-6	Trichloroethene	150	7.9	2.38
78-93-3	2-Butanone	ND U	160	47.2
71-55-6	1,1,1-Trichloroethane	18 J	23	6.96
56-23-5	Carbon Tetrachloride	ND U	9.6	2.90
75-27-4	Dichlorobromomethane	ND U	5.9	1.77
79-34-5	1,1,2,2-Tetrachloroethane	ND U	5.7	1.72
78-87-5	1,2-Dichloropropane	ND U	31	9.30
10061-02-6	trans-1,3-Dichloropropene	ND U	11	3.40
124-48-1	Chlorodibromomethane	ND U	5.8	1.74
79-00-5	1,1,2-Trichloroethane	ND U	21	6.46
71-43-2	Benzene	13	4.5	1.34
10061-01-5	cis-1,3-Dichloropropene	ND U	8.9	2.68
75-25-2	Bromoform	ND U	8.0	2.40
591-78-6	2-Hexanone	ND U	57	17.2
108-10-1	4-Methyl-2-Pentanone	ND U	55	16.4
127-18-4	Tetrachloroethene	ND U	9.6	2.90
108-88-3	Toluene	4.4 J	6.4	1.94
108-90-7	Chlorobenzene	ND U	7.3	2.20
100-41-4	Ethylbenzene	2.2 J	5.5	1.65
100-42-5	Styrene	ND U	12	3.54

ANALYTICAL REPORT

Client: RMT, Inc. - Madison Office
Project: Tecumseh Products

Sampled: 08/10/04 @ 11:20
Sampler: J.Schoephoester
Received: 08/12/04 @ 08:35
Prepared: n/a
Prep. Method: n/a
Analyzed: 08/18/04 by LEW
Anal. Method: USEPA-8260B
QC Batch: 98343 -118
Anal. Batch: 220349
Percent Solids: n/a
Dilution Factor: 20

Submittal #: 36274-5
Submittal: August 2004 Samples

Sample ID: MW-26
Sample #: 367762
Matrix: Ground Water
Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
1330-20-7	Xylene (Total)	ND U	23	2.24

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ANALYTICAL REPORT

 Client: RMT, Inc. - Madison Office
 Project: Tecumseh Products

 Sampled: 08/10/04 @ 00:00
 Sampler: J. Schoephoester
 Received: 08/12/04 @ 08:35
 Prepared: n/a
 Prep. Method: n/a
 Analyzed: 08/17/04 by LEW
 Anal. Method: USEPA-8260B
 QC Batch: 98343 -117
 Anal. Batch: 220345
 Percent Solids: n/a
 Dilution Factor: 1

 Submittal #: 36274-5
 Submittal: August 2004 Samples

 Sample ID: Trip Blank
 Sample #: 367763
 Matrix: QC Water
 Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
74-87-3	Chloromethane	ND U	0.49	0.148
74-83-9	Bromomethane	ND U	1.0	0.302
75-01-4	Vinyl Chloride	ND U	0.48	0.145
75-00-3	Chloroethane	ND U	1.4	0.424
75-09-2	Methylene Chloride	ND U	0.66	0.198
67-64-1	Acetone	ND U	5.4	1.63
75-15-0	Carbon Disulfide	0.45 J	0.70	0.211
75-35-4	1,1-Dichloroethylene	ND U	0.40	0.120
75-34-3	1,1-Dichloroethane	ND U	0.38	0.114
156-59-2	cis-1,2-Dichloroethene	ND U	0.60	0.180
156-60-5	trans-1,2-Dichloroethene	ND U	0.24	0.0726
67-66-3	Chloroform	ND U	0.42	0.125
107-06-2	1,2-Dichloroethane	ND U	0.47	0.141
79-01-6	Trichloroethene	ND U	0.40	0.119
78-93-3	2-Butanone	ND U	7.8	2.36
71-55-6	1,1,1-Trichloroethane	ND U	1.2	0.348
56-23-5	Carbon Tetrachloride	ND U	0.48	0.145
75-27-4	Dichlorobromomethane	ND U	0.29	0.0884
79-34-5	1,1,2,2-Tetrachloroethane	ND U	0.28	0.0859
78-87-5	1,2-Dichloropropane	ND U	0.47	0.465
10061-02-6	trans-1,3-Dichloropropene	ND U	0.57	0.170
124-48-1	Chlorodibromomethane	ND U	0.29	0.0868
79-00-5	1,1,2-Trichloroethane	ND U	1.1	0.323
71-43-2	Benzene	0.11 J	0.22	0.0672
10061-01-5	cis-1,3-Dichloropropene	ND U	0.45	0.134
75-25-2	Bromoform	ND U	0.40	0.120
591-78-6	2-Hexanone	ND U	2.9	0.861
108-10-1	4-Methyl-2-Pentanone	ND U	2.7	0.822
127-18-4	Tetrachloroethene	ND U	0.48	0.145
108-88-3	Toluene	ND U	0.32	0.0968
108-90-7	Chlorobenzene	ND U	0.37	0.110
100-41-4	Ethylbenzene	ND U	0.27	0.0826
100-42-5	Styrene	ND U	0.59	0.177

ANALYTICAL REPORT

Client: RMT, Inc. - Madison Office
Project: Tecumseh Products

Sampled: 08/10/04 @ 00:00
Sampler: J.Schoephoester
Received: 08/12/04 @ 08:35
Prepared: n/a
Prep. Method: n/a
Analyzed: 08/17/04 by LEW
Anal. Method: USEPA-8260B
QC Batch: 98343 -117
Anal. Batch: 220345
Percent Solids: n/a
Dilution Factor: 1

Submittal #: 36274-5
Submittal: August 2004 Samples

Sample ID: Trip Blank
Sample #: 367763
Matrix: QC Water
Unit: ug/L

CAS Number	Volatile Organics - 8260B TCL Compound List	Analytical Result	Reporting Limit	MDL
1330-20-7	Xylene (Total)	ND U	1.2	0.112

QUALITY CONTROL REPORT

Parameter: **Chloride**
 Method: Colorimetric, Automated Ferricyanide 325.2/4500-CL E WATER
 Units: mg/L

Instrument Blank

Test Date	Analytical Batch Number	Analyst	Blank Conc
08/23/04	220407	JLB	<1.0

Laboratory Control Sample

Test Date	Analytical Batch #	Analyst	Spike Qty	Spike Result	Recovery	QC Limits
08/23/04	220407	JLB	78.1	78.2	100	92-109

Matrix Spike Recovery

Sample Number	Test Date	QC Batch #	Analyst	Sample Conc	Spike Qty	Sample +Spike	Recovery	QC Limits
367760	08/23/04	98391	JLB	143	50	191	96	72-125
367760	08/23/04	98391	JLB	143	50	192	98	72-125

Matrix Spike Duplicate

Sample Number	Test Date	QC Batch #	Analyst	Sample+Spike Conc #1	Sample+Spike Conc #2	RPD	QC Limits
367760	08/23/04	98391	JLB	191	192	1	0- 20

QUALITY CONTROL REPORT

METHOD PREPARATION BLANK

Fraction: Quality Control Fraction
 Method: Volatiles Purge & Trap-GC/MS
 Analyst: Laurel E. Wood
 Units: ug/L
 QC Batch: 98343-118

Test Date: 08/18/04

Parameter	Blank Concentration	Quantitation Limit
Chloromethane	ND U	0.49
Vinyl Chloride	ND U	0.48
Bromomethane	ND U	1.0
Chloroethane	ND U	1.4
1,1-Dichloroethylene	ND U	0.40
Carbon Disulfide	0.280	0.70
Acetone	9.00	5.4
Methylene Chloride	ND U	0.66
trans-1,2-Dichloroethene	ND U	0.24
1,1-Dichloroethane	ND U	0.38
cis-1,2-Dichloroethene	ND U	0.60
2-Butanone	ND U	7.9
Chloroform	ND U	0.42
1,1,1-Trichloroethane	ND U	1.2
Carbon Tetrachloride	ND U	0.48
Benzene	0.110	0.22
1,2-Dichloroethane	ND U	0.47
Trichloroethene	ND U	0.39
1,2-Dichloropropane	ND U	1.5
Dichlorobromomethane	ND U	0.29
cis-1,3-Dichloropropene	ND U	0.45
4-Methyl-2-Pentanone	ND U	2.7
Toluene	ND U	0.32
trans-1,3-Dichloropropene	ND U	0.57
1,1,2-Trichloroethane	ND U	1.1
Tetrachloroethene	ND U	0.48
2-Hexanone	ND U	2.9
Chlorodibromomethane	ND U	0.29
Chlorobenzene	ND U	0.37
1,1,2,2-Tetrachloroethane	ND U	0.29
Ethylbenzene	ND U	0.27
Xylene (Total)	ND U	1.2
Styrene	ND U	0.59
Bromoform	ND U	0.40

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QUALITY CONTROL REPORT

METHOD PREPARATION BLANK

Fraction: Quality Control Fraction
 Method: Volatiles Purge & Trap-GC/MS
 Analyst: Laurel E. Wood
 Units: ug/L
 QC Batch: 98343-117

Test Date: 08/17/04

Parameter	Blank Concentration	Quantitation Limit
Chloromethane	ND U	0.49
Vinyl Chloride	ND U	0.48
Bromomethane	ND U	1.0
Chloroethane	ND U	1.4
1,1-Dichloroethylene	ND U	0.40
Carbon Disulfide	0.590	0.70
Acetone	8.79	5.4
Methylene Chloride	ND U	0.66
trans-1,2-Dichloroethene	ND U	0.24
1,1-Dichloroethane	ND U	0.38
cis-1,2-Dichloroethene	ND U	0.60
2-Butanone	ND U	7.9
Chloroform	ND U	0.42
1,1,1-Trichloroethane	ND U	1.2
Carbon Tetrachloride	ND U	0.48
Benzene	0.120	0.22
1,2-Dichloroethane	ND U	0.47
Trichloroethene	ND U	0.39
1,2-Dichloropropane	ND U	1.5
Dichlorobromomethane	ND U	0.29
cis-1,3-Dichloropropene	ND U	0.45
4-Methyl-2-Pentanone	ND U	2.7
Toluene	ND U	0.32
trans-1,3-Dichloropropene	ND U	0.57
1,1,2-Trichloroethane	ND U	1.1
Tetrachloroethene	ND U	0.48
2-Hexanone	ND U	2.9
Chlorodibromomethane	ND U	0.29
Chlorobenzene	ND U	0.37
1,1,2,2-Tetrachloroethane	ND U	0.29
Ethylbenzene	ND U	0.27
Xylene (Total)	ND U	1.2
Styrene	ND U	0.59
Bromoform	ND U	0.40

QUALITY CONTROL REPORT

METHOD PREPARATION BLANK

Fraction: Quality Control Fraction
Method: Volatiles Purge & Trap-GC/MS
Analyst: Laurel E. Wood
Units: ug/L
QC Batch: 98343-118

Test Date: 08/18/04

Parameter	Blank Concentration	Quantitation Limit
Benzene	ND U	1.0
Ethylbenzene	ND U	1.0
Toluene	ND U	1.0
Xylene (Total)	ND U	3.0

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QUALITY CONTROL REPORT

LABORATORY FORTIFIED BLANK

Fraction: Quality Control Fraction
Method: Volatiles Purge & Trap-GC/MS
Analyst: Laurel E. Wood
Units: ug/L
QC Batch: 98343-118

Test Date: 08/18/04

Parameter	Spike Quantity	Spike Result	Spike % Rec	Control Limits
Benzene	40.0	38.2	96	79 - 120
Ethylbenzene	40.0	38.3	96	77 - 125
Toluene	40.0	40.0	100	79 - 126
Xylene (Total)	120	112	93	80 - 119
1,2,4-Trimethylbenzene	40.0	39.4	99	62 - 143
1,3,5-Trimethylbenzene	40.0	37.1	93	70 - 126
2-Methylnaphthalene	40.0	34.5	86	33 - 151
Naphthalene	40.0	36.3	91	44 - 144

QUALITY CONTROL REPORT

LABORATORY FORTIFIED BLANK

Fraction: Volatile Organics USEPA-8260B Scan
Method: Volatiles Purge & Trap-GC/MS
Analyst: Laurel E. Wood Test Date: 08/17/04
Units: ug/L
QC Batch: 98343-117

Parameter	Spike Quantity	Spike Result	Spike % Rec	Control Limits
Benzene	40.0	38.8	97	79 - 120
Chlorobenzene	40.0	41.9	105	79 - 122
1,1-Dichloroethylene	40.0	40.2	101	72 - 126
Toluene	40.0	40.6	102	79 - 126
Trichloroethene	40.0	40.4	101	71 - 127

QUALITY CONTROL REPORT

LABORATORY FORTIFIED BLANK

Fraction: Volatile Organics USEPA-8260B Scan
Method: Volatiles Purge & Trap-GC/MS
Analyst: Laurel E. Wood Test Date: 08/18/04
Units: ug/L
QC Batch: 98343-118

Parameter	Spike Quantity	Spike Result	Spike % Rec	Control Limits
Benzene	40.0	38.2	96	79 - 120
Chlorobenzene	40.0	36.9	92	79 - 122
1,1-Dichloroethylene	40.0	38.4	96	72 - 126
Toluene	40.0	40.0	100	79 - 126
Trichloroethene	40.0	37.5	94	71 - 127

QUALITY CONTROL REPORT

MATRIX SPIKE RECOVERY

Fraction: Volatile Organics USEPA-8260B Scan
 Method: Volatiles Purge & Trap-GC/MS USEPA-8260B WATER
 Analyst: Laurel E. Wood Test Date: 08/18/04
 Sample No: 367760
 Units: ug/L
 QC Batch: 98343-118

Parameter	Sample Conc	Spike Quantity	Sample +Spike	Spike % Rec	Control Limits
Benzene	0.19	40.0	48.2	120	81 - 132
Chlorobenzene	ND U	40.0	42.3	106	83 - 128
1,1-Dichloroethylene	0.26	40.0	50.3	125	74 - 148
Toluene	ND U	40.0	48.1	120	82 - 134
Trichloroethene	ND U	40.0	50.9	127	73 - 139

QUALITY CONTROL REPORT

MATRIX SPIKE RECOVERY

Fraction: Volatile Organics USEPA-8260B Scan
 Method: Volatiles Purge & Trap-GC/MS USEPA-8260B WATER
 Analyst: Laurel E. Wood Test Date: 08/18/04
 Sample No: 367760
 Units: ug/L
 QC Batch: 98343-118

Parameter	Sample Conc	Spike Quantity	Sample +Spike	Spike % Rec	Control Limits
Benzene	0.19	40.0	46.4	116	81 - 132
Chlorobenzene	ND U	40.0	40.5	101	83 - 128
1,1-Dichloroethylene	0.26	40.0	47.8	119	74 - 148
Toluene	ND U	40.0	46.3	116	82 - 134
Trichloroethene	ND U	40.0	47.6	119	73 - 139

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QUALITY CONTROL REPORT

MATRIX SPIKE DUPLICATE

Fraction: Volatile Organics USEPA-8260B Scan
 Method: Volatiles Purge & Trap-GC/MS USEPA-8260B WATER
 Analyst: Laurel E. Wood Test Date: 08/18/04
 Sample No: 367760
 Units: ug/L
 QC Batch: 98343-118

Parameter	Sample+Spike Conc #1	Sample+Spike Conc #2	Relative % Diff.	Control Limits
Benzene	48.2	46.4	4	0 - 16
Chlorobenzene	42.3	40.5	4	0 - 16
1,1-Dichloroethylene	50.3	47.8	5	0 - 20
Toluene	48.1	46.3	4	0 - 17
Trichloroethene	50.9	47.6	7	0 - 18

QUALITY CONTROL REPORT
SURROGATE RECOVERIES

Method: Volatiles Purge & Trap-GC/MS

USEPA-8260B

WATER

Surrogate Compound List

 SUR-1: Dibromofluoromethane-sur SUR-4: 4-Bromofluorobenzene-sur
 SUR-2: d4-1,2-Dichloroethane-sur
 SUR-3: d8-Toluene-sur

% R = Percent Recovery

Compounds:		SUR-1	SUR-2	SUR-3	SUR-4
Control Limits:		79-124	75-128	87-113	70-121
Sample # / ID	Batch	% R	% R	% R	% R
-----	-----	---	---	---	---
MPB-01	98343-117	104	99	102	100
MPB-01	98343-118	109	106	106	103
MPB-01	98343-118	109	106	106	103
LFB-01	98343-117	97	99	98	100
LFB-01	98343-118	101	101	101	102
LFB-01	98343-118	101	101	101	102
367760SPK	98343-118	105	104	108	99
367760SPK	98343-118	99	100	104	97
367757	98343-117	98	98	95	95
367758	98343-117	98	101	97	97
367759	98343-117	100	101	103	101
367760	98343-117	97	99	96	102
367761	98343-117	101	102	99	99
367762	98343-118	104	99	100	98
367763	98343-117	102	99	101	95

STATEMENT OF DATA QUALIFICATIONS

All analyses have been validated and comply with our Quality Control Program. No qualifications required.

Page 1 - End of Statement of Data Qualifications

Note: This document is included as a part of the analytical report for the above referenced project and submittal, and should be retained as a permanent record thereof.



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

Chain of Custody Record

COC No. 100610

WISCONSIN REPORTING Requirements
 Analyses Requested

Page 1 of 1

For Lab Use Only

Cart 1

VOA Rack/Tray 350-B (pres.) 443-W (pres)

Client Name RMT

Project Name TFL

Receipt Log No. 25-5

Address 744 Heartland Tr.

Client Project No. / P.O. No. 3084-28

Project Chemist JVL

Madison, WI 53717

Invoice To Client

Laboratory Project No. 36274-5

Phone 608-831-4444

Contact/Report To Alyssa Sellwood

Fax 608-831-3334

Other (comments)

DA A																				
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CVDL's Chloride VFA's *

- ← PRESERVATIVES
- A NONE pH~7
 - B HNO₃ pH<2
 - C H₂SO₄ pH<2
 - D 1+1 HCl pH<2
 - E NaOH pH>12
 - F ZnAc/NaOH pH>9
 - G MeOH
 - H Other (note below)

Test Group	Matrix Code	Laboratory Sample Number	Sample ID	Cooler ID	Sample Date	Sample Time	C O M P	G R A B	Matrix	Number of Containers Submitted										Total	Sample Comments					
DL WB		367757	MW-8		8/11	1200			W	2	1	2												5	use lowest	
		367758	MW-8D		8/11	1115			W	2	1	2													5	possible
		367759	MW-23		8/11	1030			W	2	1	2													5	quantitation limits.
		367760	MW-24		8/11	940			W	2	1	2													5	?
		367761	MW-25		8/10	1030			W	2	1	2													5	"
		367762	MW-26		8/10	1120			W	2	1	2													5	"
DL WB		367763	Trip Blank		—	—			W	1															1	"

Sampled By (print) Jason Schoephoester
 Sampler's Signature [Signature]
 Company RMT
 93

How Shipped? Hand Carried Fed Ex
 Tracking No. 811891862543
 1. Relinquished By Date Time
 1. Received By Date Time

Comments *VFA's to be analyzed for: Acetic, Propionic, Pyruvic, Lactic, Butyric - Microseeps
 2. Relinquished By Date Time
 2. Received By Date Time
 3. Received For Lab By Date Time
 [Signature] 8/12/04 8:35

MICROSEEPS

Client Name: TriMatrix
Contact: Jennifer Rice
Address: 5560 Corporate Exchange C
Grand Rapids, MI 49512

Page: Page 1 of 7
Lab Proj #: P0408244
Report Date: 08/27/04
Client Proj Name: TPC
Client Proj #: 36274-5

Laboratory Results

Total pages in data package: 9

<u>Lab Sample #</u>	<u>Client Sample ID</u>
P0408244-01	MW-8
P0408244-02	MW-8D
P0408244-03	MW-23
P0408244-04	MW-24
P0408244-05	MW-25
P0408244-06	MW-26

Microseeps test results meet all the requirements of the NELAC standards.

Approved By: Debbie Hall

The analytical results reported here are reliable and usable to the precision expressed in this report. As required by some regulating authorities, a full discussion of the uncertainty in our analytical results can be obtained at our web site or through customer service. Unless otherwise specified, all results

*As a valued client we would appreciate your comments on our service.
Please call customer service at (412)826-5245 or email bhans@microseeps.com*

Case Narrative:

Client Name: TriMatrix
 Contact: Jennifer Rice
 Address: 5560 Corporate Exchange C
 Grand Rapids, MI 49512

Lab Sample #: P0408244-01

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received</u>
MW-8	Water	11 Aug. 04 12:00	13 Aug. 04

<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analyst</u>	<u>Analysis Date</u>
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SemiVolatiles

Acetic Acid	31	1	mg/L	AM21G	jb	8/19/04
Butyric acid	<1	1	mg/L	AM21G	jb	8/19/04
Lactic Acid	<25	25	mg/L	AM21G	jb	8/19/04
Propionic acid	1.1	1	mg/L	AM21G	jb	8/19/04
Pyruvic acid	<10	10	mg/L	AM21G	jb	8/19/04

Page: Page 3 of 7
 Lab Proj #: P0408244
 Report Date: 08/27/04
 Client Proj Name: TPC
 Client Proj #: 36274-5

Client Name: TriMatrix
 Contact: Jennifer Rice
 Address: 5560 Corporate Exchange C
 Grand Rapids, MI 49512

Lab Sample #: P0408244-02

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received</u>
MW-8D	Water	11 Aug. 04 11:15	13 Aug. 04

<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analyst</u>	<u>Analysis Date</u>
<u>SemiVolatiles</u>						
Acetic Acid	<1	1	mg/L	AM21G	jb	8/19/04
Butyric acid	<1	1	mg/L	AM21G	jb	8/19/04
Lactic Acid	<25	25	mg/L	AM21G	jb	8/19/04
Propionic acid	<1	1	mg/L	AM21G	jb	8/19/04
Pyruvic acid	<10	10	mg/L	AM21G	jb	8/19/04

Page: Page 4 of 7
Lab Proj #: P0408244
Report Date: 08/27/04
Client Proj Name: TPC
Client Proj #: 36274-5

Client Name: TriMatrix
Contact: Jennifer Rice
Address: 5560 Corporate Exchange C
Grand Rapids, MI 49512

Lab Sample #: P0408244-03

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received</u>
MW-23	Water	11 Aug. 04 10:30	13 Aug. 04

<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analyst</u>	<u>Analysis Date</u>
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SemiVolatiles

Acetic Acid	170	1	mg/L	AM21G	jb	8/19/04
Butyric acid	1.9	1	mg/L	AM21G	jb	8/19/04
Lactic Acid	<25	25	mg/L	AM21G	jb	8/19/04
Propionic acid	3.8	1	mg/L	AM21G	jb	8/19/04
Pyruvic acid	<10	10	mg/L	AM21G	jb	8/19/04

Page: Page 5 of 7
 Lab Proj #: P0408244
 Report Date: 08/27/04
 Client Proj Name: TPC
 Client Proj #: 36274-5

Client Name: TriMatrix
 Contact: Jennifer Rice
 Address: 5560 Corporate Exchange C
 Grand Rapids, MI 49512

Lab Sample #: P0408244-04

<u>Sample Description</u>	<u>Matrix</u>			<u>Sampled Date/Time</u>	<u>Received</u>	
MW-24	Water			11 Aug. 04 9:40	13 Aug. 04	
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analyst</u>	<u>Analysis Date</u>
<u>SemiVolatiles</u>						
Acetic Acid	<1	1	mg/L	AM21G	jb	8/19/04
Butyric acid	<1	1	mg/L	AM21G	jb	8/19/04
Lactic Acid	<25	25	mg/L	AM21G	jb	8/19/04
Propionic acid	<1	1	mg/L	AM21G	jb	8/19/04
Pyruvic acid	<10	10	mg/L	AM21G	jb	8/19/04

Page: Page 6 of 7
Lab Proj #: P0408244
Report Date: 08/27/04
Client Proj Name: TPC
Client Proj #: 36274-5

Client Name: TriMatrix
Contact: Jennifer Rice
Address: 5560 Corporate Exchange C
Grand Rapids, MI 49512

Lab Sample #: P0408244-05

Sample Description Matrix Sampled Date/Time Received
MW-25 Water 10 Aug. 04 10:30 13 Aug. 04

Analyte(s) **Result** **PQL** **Units** **Method #** **Analyst** **Analysis Date**

SemiVolatiles

Acetic Acid	<1	1	mg/L	AM21G	jb	8/19/04
Butyric acid	<1	1	mg/L	AM21G	jb	8/19/04
Lactic Acid	<25	25	mg/L	AM21G	jb	8/19/04
Propionic acid	<1	1	mg/L	AM21G	jb	8/19/04
Pyruvic acid	<10	10	mg/L	AM21G	jb	8/19/04

Page: Page 7 of 7
 Lab Proj #: P0408244
 Report Date: 08/27/04
 Client Proj Name: TPC
 Client Proj #: 36274-5

Client Name: TriMatrix
 Contact: Jennifer Rice
 Address: 5560 Corporate Exchange C
 Grand Rapids, MI 49512

Lab Sample #: P0408244-06

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received</u>			
MW-26	Water	10 Aug. 04 11:20	13 Aug. 04			
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analyst</u>	<u>Analysis Date</u>
<u>SemiVolatiles</u>						
Acetic Acid	<1	1	mg/L	AM21G	jb	8/19/04
Butyric acid	<1	1	mg/L	AM21G	jb	8/19/04
Lactic Acid	<25	25	mg/L	AM21G	jb	8/19/04
Propionic acid	<1	1	mg/L	AM21G	jb	8/19/04
Pyruvic acid	<10	10	mg/L	AM21G	jb	8/19/04

PO403244

WISCONSIN Reporting Requirements
Analyses Requested

Page 1 of 1

For Lab Use Only

Cart

VOL Rack/Tray

3501-B (pres.) 143-w/mms

Receipt Log No.

25-5

Project Chemist

JUR

Laboratory Project No.

310274-5

Client Name

TRIMATRIX

Address

[Redacted]

Client Project No./P.O. No.

[Redacted]

Phone

[Redacted]

Fax

[Redacted]

Project Name

TRC

Invoice To

Client

Other (comments)

See PO

Container Type (corresponds to Container Packing List)

[Redacted]

D A A

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

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[Redacted]

← PRESERVATIVES

A NONE pH-7

B HNO₃ pH<2

C H₂SO₄ pH<2

D 1+1 HCl pH<2

E NaOH pH>12

F ZnAc/NaOH pH>9

G MeOH

H Other (note below)

Test Group	Matrix Code	Laboratory Sample Number	Sample ID	Cooler ID	Sample Date	Sample Time	C O M P	G R A B	Matrix	Number of Containers Submitted	Total	Sample Comments
01	W6	01	MW-8		8/11	1200			W	2	5	use lowest
		02	MW-8D		8/11	1115			W	2	5	possible
		03	MW-23		8/11	1030			W	2	5	quantification limits.
		04	MW-24		8/11	940			W	2	5	?
		05	MW-25		8/10	1030			W	2	5	
		06	MW-26		8/10	1120			W	2	5	
			Trip blank						W		1	

Sampled By (print)

Jason Schoephoester

Sampler's Signature

[Signature]

Con paps

RMT

How Shipped? Hand Carried Fed Ex

Tracking No.

811891862543

1. Relinquished By

[Signature]

Date

8/13/04 11:01

Comments

* VFA's to be analyzed for: Acetic, Propionic,

Pyruvic, Lactic, Butyric - Microseeps

2. Relinquished By

Date

Time

3. Relinquished By

Date

Time

3. Received For Lab By

[Signature]

8/12/04 8:35

Attachment 2
Soil Laboratory Reports

March 2004



Corporate Office & Laboratory
1241 Bellevue Street, Suite 9, Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827
www.enchem.com

Analytical Report Number: 844788

Client: RMT - MADISON

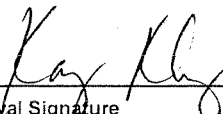
Lab Contact: Tod Noltemeyer

Project Name: TPC

Project Number: 3084-28

Lab Sample Number	Field ID	Matrix	Collection Date
844788-001	GP-1	SOIL	03/23/04
844788-002	GP-2	SOIL	03/23/04
844788-003	METHANOL BLANK	METH	03/23/04

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 comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. Reported results shall not be reproduced, except in full, without the written approval of the lab. The sample results relate only to the analytes of interest tested.


Approval Signature

3-31-04
Date

Client : RMT - MADISON
Project Name : TPC
Project Number : 3084-28
Field ID : GP-1

Matrix Type : SOIL
Collection Date : 03/23/04
Report Date : 03/31/04
Lab Sample Number : 844788-001

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	87.8				1	%		03/25/04	SM 2540G M	SM 2540G M

VOLATILES - SPECIAL LIST

Prep Date: 03/26/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Benzene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Bromobenzene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Chloroform	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Chloromethane	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Isopropylbenzene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Naphthalene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
N-Butylbenzene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
n-Propylbenzene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
sec-Butylbenzene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B

En Chem Inc.

Analytical Report Number: 844788

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : RMT - MADISON
Project Name : TPC
Project Number : 3084-28
Field ID : GP-1

Matrix Type : SOIL
Collection Date : 03/23/04
Report Date : 03/31/04
Lab Sample Number : 844788-001

VOLATILES - SPECIAL LIST

Prep Date: 03/26/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Toluene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Trichloroethene	720	28	68		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Vinyl Chloride	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Xylene, o	< 25	25	60		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Xylenes, m + p	< 50	50	120		50	ug/kg		03/26/04	SW846 5030B	SW846 8260B

6

Client : RMT - MADISON
Project Name : TPC
Project Number : 3084-28
Field ID : GP-2

Matrix Type : SOIL
Collection Date : 03/23/04
Report Date : 03/31/04
Lab Sample Number : 844788-002

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	88.1				1	%		03/25/04	SM 2540G M	SM 2540G M

VOLATILES - SPECIAL LIST

Prep Date: 03/26/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	5400	71	170		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	1000	71	170		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Benzene	110	71	170		125	ug/kg	Q	03/26/04	SW846 5030B	SW846 8260B
Bromobenzene	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Chloroethane	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Chloroform	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Chloromethane	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	1000	71	170		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Ethylbenzene	2700	71	170		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Isopropylbenzene	230	71	170		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Methylene Chloride	140	71	170		125	ug/kg	Q	03/26/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Naphthalene	820	71	170		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
N-Butylbenzene	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
n-Propylbenzene	530	71	170		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
p-Isopropyltoluene	160	71	170		125	ug/kg	Q	03/26/04	SW846 5030B	SW846 8260B
sec-Butylbenzene	170	71	170		125	ug/kg	Q	03/26/04	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B

En Chem Inc.

Analytical Report Number: 844788

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : RMT - MADISON
Project Name : TPC
Project Number : 3084-28
Field ID : GP-2

Matrix Type : SOIL
Collection Date : 03/23/04
Report Date : 03/31/04
Lab Sample Number : 844788-002

VOLATILES - SPECIAL LIST

Prep Date: 03/26/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Toluene	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Trichloroethene	21000	71	170		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Vinyl Chloride	< 62	62	150		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B
Xylene, o	130	71	170		125	ug/kg	Q	03/26/04	SW846 5030B	SW846 8260B
Xylenes, m + p	3700	140	340		125	ug/kg		03/26/04	SW846 5030B	SW846 8260B

Client : RMT - MADISON
Project Name : TPC
Project Number : 3084-28
Field ID : METHANOL BLANK

Matrix Type : METHANOL
Collection Date : 03/23/04
Report Date : 03/31/04
Lab Sample Number : 844788-003

VOLATILES - SPECIAL LIST

Prep Date: 03/29/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1-Trichloroethane	< 19	19	46		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 21	21	50		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 24	24	58		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 19	19	46		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 22	22	53		50	ug/L	&	03/29/04	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 17	17	41		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 16	16	40		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 12	12	30		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 12	12	29		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 18	18	43		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 12	12	30		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 21	21	50		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 22	22	52		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 12	12	29		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 16	16	40		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 12	12	29		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 18	18	42		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 16	16	40		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 18	18	43		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 23	23	55		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
Benzene	< 14	14	35		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
Bromobenzene	< 14	14	35		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
Bromodichloromethane	< 16	16	38		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 16	16	40		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
Chlorobenzene	< 9.5	9.5	23		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 20	20	47		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
Chloroethane	< 25	25	60		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
Chloroform	< 18	18	44		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
Chloromethane	< 20	20	49		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 20	20	48		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 21	21	50		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 9.5	9.5	23		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
Ethylbenzene	< 15	15	36		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 19	19	46		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 23	23	55		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
Isopropylbenzene	< 11	11	26		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
Methylene Chloride	< 14	14	35		50	ug/L	&	03/29/04	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 15	15	36		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
Naphthalene	< 15	15	36		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
N-Butylbenzene	< 12	12	29		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
n-Propylbenzene	< 5.5	5.5	13		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 12	12	30		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
sec-Butylbenzene	< 8.0	8.0	19		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
tert-Butylbenzene	< 12	12	28		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
Tetrachloroethene	< 16	16	40		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
Toluene	< 8.5	8.5	20		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 14	14	35		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
Trichloroethene	< 20	20	48		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
Vinyl Chloride	< 14	14	35		50	ug/L		03/29/04	SW846 5030B	SW846 8260B

En Chem Inc.

Analytical Report Number: 844788

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : RMT - MADISON
Project Name : TPC
Project Number : 3084-28
Field ID : METHANOL BLANK

Matrix Type : METHANOL
Collection Date : 03/23/04
Report Date : 03/31/04
Lab Sample Number : 844788-003

VOLATILES - SPECIAL LIST

Prep Date: 03/29/04

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Xylene, o	< 15	15	36		50	ug/L		03/29/04	SW846 5030B	SW846 8260B
Xylenes, m + p	< 22	22	52		50	ug/L		03/29/04	SW846 5030B	SW846 8260B

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
J	Organic	Concentration detected is greater than the method detection limit but less than the reporting limit.
K	Inorganic	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
&	All	Laboratory Control! Spike recovery not within control limits.
*	All	Precision not within control limits.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.

Test Group Name	844788-001	844788-002	844788-003
PERCENT SOLIDS	G	G	
VOLATILES - SPECIAL LIST	G	G	G

Wisconsin Certification	
G = En Chem Green Bay	405132750 / DATCP: 105 000444
K = En Chem Kimberly	445134030
S = En Chem Superior	Not Applicable
C = Subcontracted Analysis	

En Chem, Inc. Cooler Receipt Log

Batch No. 844788

Project Name or ID 3084.28

No. of Coolers: 1

Temps: ROI

A. Receipt Phase: Date cooler was opened: 3/24/04 By: GD

- 1: Were samples received on ice? (Must be ≤ 6 C)..... YES NO² NA
- 2: Was there a Temperature Blank?..... YES NO
- 3: Were custody seals present and intact on cooler? (Record on COC)..... YES NO
- 4: Are COC documents present?..... YES NO²
- 5: Does this Project require quick turn around analysis?..... YES NO
- 6: Is there any sub-work?..... YES NO
- 7: Are there any short hold time tests?..... YES NO
- 8: Are any samples nearing expiration of hold-time? (Within 2 days)..... YES¹ NO Contacted by/Who _____
- 9: Do any samples need to be Filtered or Preserved in the lab?..... YES¹ NO Contacted by/Who _____

B. Check-in Phase: Date samples were Checked-in: 3/24/04 By: GD

- 1: Were all sample containers listed on the COC received and intact?..... YES NO² NA
- 2: Sign the COC as received by En Chem. Completed..... YES NO
- 3: Do sample labels match the COC? YES NO²
- 4: Completed pH check on preserved samples..... YES NO NA
(This statement does not apply to water: VOC, O&G, TOC, DRO, Total Rec. Phenolics)
- 5: Do samples have correct chemical preservation?..... YES NO² NA
(This statement does not apply to water: VOC, O&G, TOC, DRO, Total Rec. Phenolics)
- 6: Are dissolved parameters field filtered?..... YES NO² NA
- 7: Are sample volumes adequate for tests requested? YES NO²
- 8: Are VOC samples free of bubbles >6mm YES NO² NA
- 9: Enter samples into logbook. Completed..... YES NO
- 10: Place laboratory sample number on all containers and COC. Completed..... YES NO
- 11: Complete Laboratory Tracking Sheet (LTS). Completed..... YES NO NA
- 12: Start Nonconformance form. YES NO NA
- 13: Initiate Subcontracting procedure. Completed..... YES NO NA
- 14: Check laboratory sample number on all containers and COC. GD YES NO NA

Short Hold-time tests:

24 Hours or less	48 Hours	7 days	Footnotes
Coliform	BOD	Ash	1 Notify proper lab group immediately.
Corrosivity = pH	Color	Aqueous Extractable Organics- ALL	2 Complete nonconformance memo.
Dissolved Oxygen	Nitrite or Nitrate	Flashpoint	
Hexavalent Chromium	Ortho Phosphorus	Free Liquids	
HPC	Surfactants	Sulfide	
Ferrous Iron	Turbidity	TDS	
Eh	En Core Preservation	TSS	
Odor	Power stop preservation	Total Solids	
Residual Chlorine		TVS	
Sulfite		TVSS	
		Unpreserved VOC's	

Rev. 2/05/04, Attachment to 1-REC-5.
Subject to QA Audit. Reviewed by/date _____

(Please Print Legibly)

Company Name: RMT

Branch or Location: MSN

Project Contact: Allyssa Sellwood

Telephone: 608-831-4444

Project Number: TPC B

Project Name: 3084.28 B

Project State: WI

Sampled By (Print): Jason Schoepflester

PO #: _____

Data Package Options - (please circle if requested)

- Sample Results Only (no QC)
- EPA Level II (Subject to Surcharge)
- EPA Level III (Subject to Surcharge)
- EPA Level IV (Subject to Surcharge)

Regulatory Program
 UST
 RCRA
 SDWA
 NPDES
 CERCLA

Matrix Codes
 W=Water
 S=Soil
 A=Air
 C=Charcoal
 B=Biota
 Sl=Sludge

LABORATORY ID (Lab Use Only)	FIELD ID	COLLECTION		MATRIX														
		DATE	TIME															
001	GP-1	3/23	10 ²⁰	S	X													
002	GP-2	3/23	10 ⁴⁵	S	X													
003	Methanol Blank	-	-	-	X													



1241 Bellevue St., Suite 9
 Green Bay, WI 54302
 920-469-2436
 Fax 920-469-8827

CHAIN OF CUSTODY **115459**

*Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=EnCore F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other
 FILTERED? (YES/NO) N
 PRESERVATION (CODE)* F

ANALYSES REQUESTED
 for 120 lead VOCs

TOTAL # OF BOTTLES SENT

Page 1 of 1

Quote #: _____

Mail Report To: Allyssa Sellwood

Company: RMT

Address: 744 Hartland Trail

Madison, WI 53717

Invoice To: Stacey Koch

Company: _____

Address: Same

Mail Invoice To: Stacey Koch

CLIENT COMMENTS LAB COMMENTS
 (Lab Use Only)

3 Please use 2-200F 1-4oz Poly
 3 lowest possible ↓
 1 quantitation limits 1-4oz Methanol Blank

Rush Turnaround Time Requested (TAT) - Prelim
 (Rush TAT subject to approval/surcharge)
 Date Needed: _____
 Transmit Prelim Rush Results by (circle):
 Phone Fax E-Mail
 Phone #: _____
 Fax #: _____
 E-Mail Address: _____

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: _____ Date/Time: _____
Jason Schoepflester 3/23/04 17:00
 Relinquished By: _____ Date/Time: _____
Stacey Koch 3/24/04
 Relinquished By: _____ Date/Time: _____
Stacey Koch 3/24/04 14:00
 Relinquished By: _____ Date/Time: _____

Received By: _____ Date/Time: _____
Stacey Koch 3/23/04
 Received By: _____ Date/Time: _____
Stacey Koch 3/24/04 11:30
 Received By: _____ Date/Time: _____
Stacey Koch 3/24/04 14:00
 Received By: _____ Date/Time: _____

En Chem Project No. 844788
 Sample Receipt Temp. ROS
 Sample Receipt pH (Wet/Metals) NA
 Cooler Custody Seal
 Present / Not Present (circled)
 Intact / Not Intact