



Ms. Mary Logan
United States Environmental Protection Agency
77 W. Jackson Boulevard
Chicago, IL 60604-3590

February 12, 2008
(1549)

EPA Region 5 Records Ctr.



364521

RE: Groundwater Quality Data Transmittal
October 2007 Groundwater Monitoring Event
Former Marinette Manufactured Gas Plant
1603 Ely Street, Marinette, Wisconsin
USEPA ID# WIN000509952, BRRTS # 02-38-00047

Dear Ms. Logan:

On behalf of Wisconsin Public Service Corporation (WPSC), Natural Resource Technology, Inc. (NRT) is providing analytical results from the most recent groundwater-sampling event performed at the Marinette Manufactured Gas Plant site in Marinette, Wisconsin.

Groundwater samples and water level measurements were collected on October 16, 2007. A WPSC survey crew resurveyed all site monitoring wells and piezometers August 6, 2007 (Appendix C). Groundwater elevations from the October 2007 sampling event (Table 1 and Figure 2) were calculated from the updated survey information.

Groundwater samples were analyzed for petroleum volatile organic compounds and polynuclear aromatic hydrocarbons (PAH). Analytical results for 2007 are summarized on the enclosed Tables 2 and 3 and Figures 3 and 4. The laboratory analytical report is included as Appendix A and historical analytical data (2005 and earlier) are included as Appendix B.


The next sampling event is scheduled to occur in October 2008 and site wells will be analyzed for benzene, toluene, ethylbenzene, xylene and PAH.

Please contact Mr. Brian Bartoszek of WPSC or either of the undersigned if you have questions or comments regarding this report.

Sincerely,

NATURAL RESOURCE TECHNOLOGY, INC.


Brian G. Hennings, PG
Project Hydrogeologist


Jennifer M. Kahler, PE
Senior Engineer

Ms. Mary Logan (USEPA)
February 12, 2008
Page 2

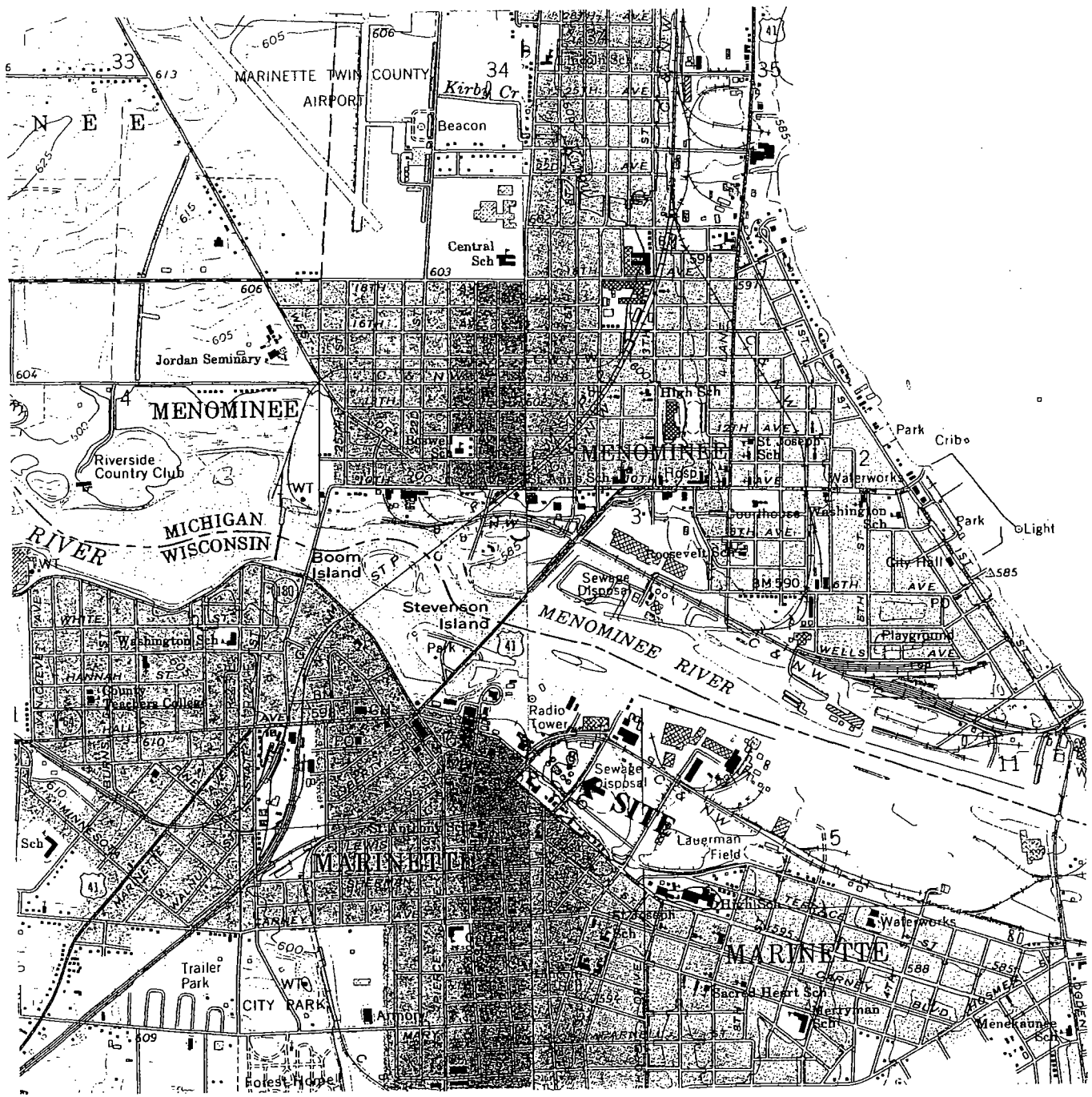
- Encls.: Figure 1 – Site Location Map (1549-A02gw)
Figure 2 – Groundwater Elevation Contours October 16, 2007 (1549-96-B02)
Figure 3 – Groundwater Benzene, Total BTEX, and Cyanide Analytical Summary
(1549-96-B04)
Figure 4 – Groundwater Naphthalene and PAH Analytical Summary (1549-96-B05)
- Table 1 – Groundwater Elevations
Table 2 – Groundwater Analytical Results - PVOCs and Cyanide
Table 3 – Groundwater Analytical Results - Polynuclear Aromatic Hydrocarbons (PAH)
- Appendix A – Laboratory Analytical Report
Appendix B – 1994 through 2005 Groundwater Analytical Data Summary Tables
Appendix C – August 6, 2007 Site Survey Data

cc (w/encls.): Mr. Brian Bartoszek, Wisconsin Public Service Corporation
Ms. Kristin DuFresne, Wisconsin Dept of Natural Resources

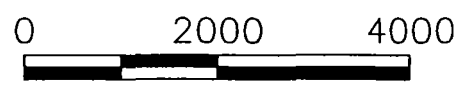
[Rpt&WP/GW Quality Updates/07 Oct 1549 EPA GW Qlty Updt LTR (final)]

FIGURES





SOURCE: USGS 7.5 MINUTE QUADRANGLE, MARINETTE EAST. DATED 1963. PHOTOREVISED 1976.



SCALE IN FEET
CONTOUR INTERVAL 10 FEET



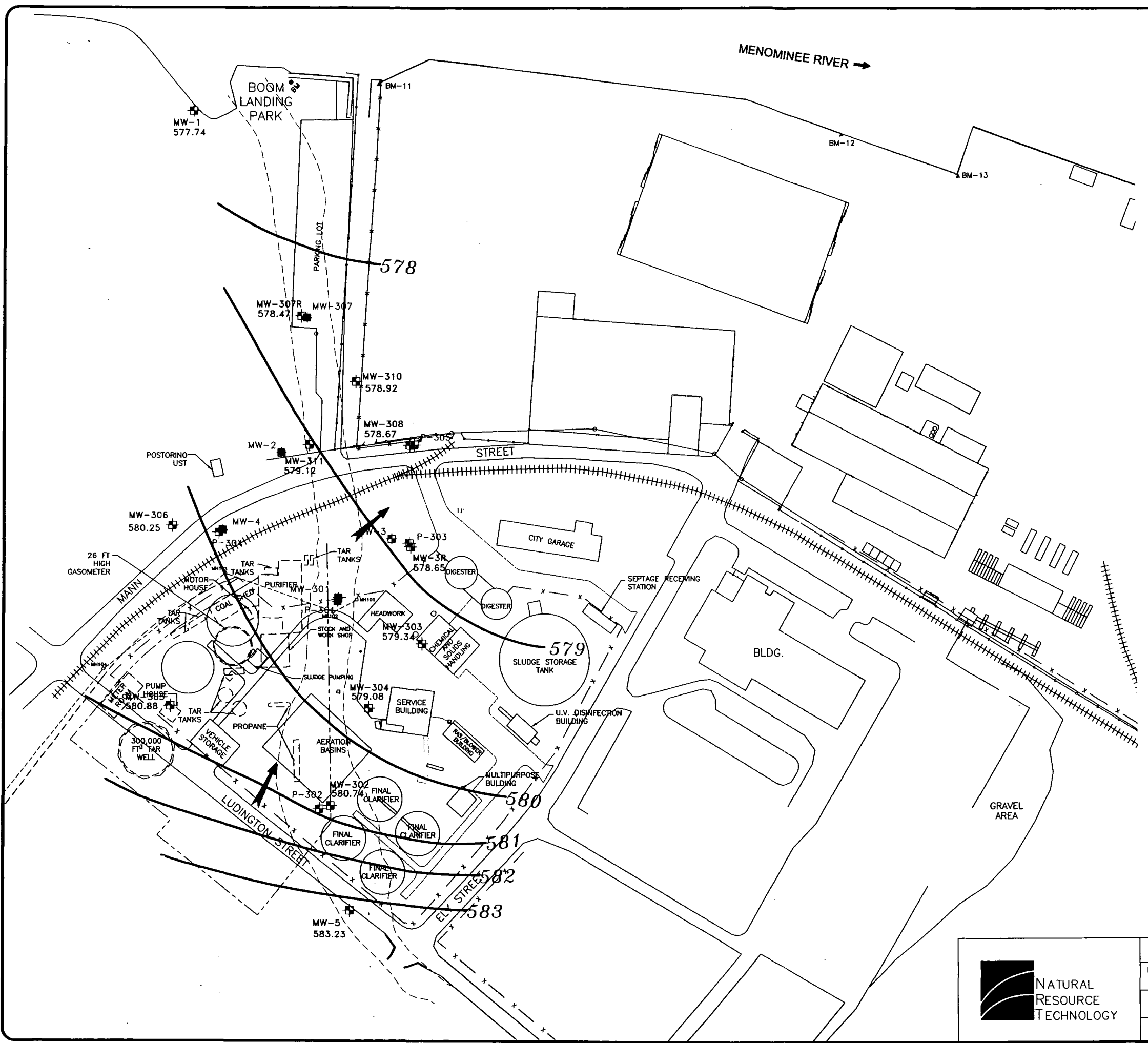
SITE LOCATION MAP
FORMER MARINETTE MANUFACTURED GAS PLANT
WISCONSIN PUBLIC SERVICE CORPORATION
MARINETTE, WISCONSIN

PROJECT NO.
1549

DRAWING NO.
1549-A02gw

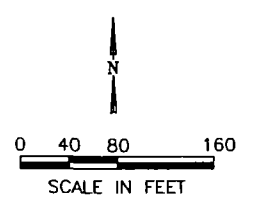
FIGURE NO.
1

DRAWN BY: TAS APPROVED BY: RJC DATE: 04/01/05



LEGEND

- WATER TABLE ELEVATION CONTOUR, FT. (NGVD)
- SHALLOW GROUNDWATER FLOW DIRECTION
- MONITORING WELL AND WATER TABLE ELEVATION, FT. (NGVD)
- PIEZOMETER
- ABANDONED MONITORING WELL
- NGVD NATIONAL GEODETIC VERTICAL DATUM
- CITY OF MARINETTE PROPOSED BRICK INTERCEPTOR SEWER REPLACEMENT
- FORMER SLOUGH
- FORMER MGP STRUCTURE
- EXISTING STRUCTURE
- RAILROAD



SOURCE NOTE:

1. THIS DRAWING WAS DEVELOPED FROM A MAP BY THE CITY OF MARINETTE.
2. PORTIONS OF THE DRAWING ARE FROM A DIGITAL FILE FROM STS CONSULTANTS, LTD. CONSULTING ENGINEERS, GREEN BAY, WISCONSIN, PROJECT NUMBER 26936, REVISED JANUARY 2001. HYDROGRAPHIC SURVEY OF RIVER WAS PERFORMED BY AYRES AND ASSOCIATES ON JULY 24-26, 2001. VERTICAL CONTROL IS U.S.G.S. DATUM. BUILDING AND STREET LOCATIONS NORTH OF RAILROAD TRACKS WERE SUPPLIED BY MARINETTE MARINE CORPORATION.
3. PORTIONS OF THIS DRAWING ARE FROM HYDRO-SEARCH DRAWING.
4. EXISTING STRUCTURES AND UTILITIES FROM FOTH & VAN DYKE ENGINEERS/ARCHITECTS. GRADING PLAN, DIGITAL FILE 7m755c06.DWG, RECORD DRAWING REVISIONS 2/22/90.
5. WELL LOCATIONS FROM A SURVEY BY WPSC DATED OCTOBER 8, 2003, REVISED OCTOBER 31, 2003.
6. BRICK INTERCEPTOR SEWER REPLACEMENT TAKEN FROM DRAWING BY AYRES ASSOCIATES, GREEN BAY, WISCONSIN, JOB NO. 16-0189.10, DRAWING NO. P101, SHEET NO. 7, DATED 3/14/03.
7. MONITORING WELLS MW-2R, MW-3R, MW-307R INSTALLED OCTOBER 2004 AND MW-308, MW-310, P-305 INSTALLED JUNE 2004. SURVEYED BY WPSC IN JANUARY 2005. (NGVD88, MARINETTE COUNTY COORDINATES).

	PROJECT NO. 1549/9.6	GROUNDWATER ELEVATION CONTOURS, OCTOBER 16, 2007
	DRAWN BY: BJK RLH 01/22/08	OCTOBER 2007 GROUNDWATER QUALITY UPDATE FORMER MARINETTE MANUFACTURED GAS PLANT SITE WISCONSIN PUBLIC SERVICE CORPORATION MARINETTE, WISCONSIN
	CHECKED BY: KJB 01/28/08	DRAWING NO: 1549-96-B02
	APPROVED BY: BGH 01/31/03	REFERENCE: FIGURE NO. 2

MENOMINEE RIVER →

MW01	BEN	BTEX	CYN WAD	
04/13/94	<0.7	nd		
08/27/02	well not located			
08/13/03	well not located			
MW01	BEN	BTEX	CYN AVL	
11/22/04	<0.14	nd	54.0	
04/13/05	<0.14	nd	<5.0	
09/28/05	<0.21	nd	<5.0	
11/13/2006	<0.14	nd		
10/18/2007	<0.14	nd		

MW011	BEN	BTEX	CYN AVL	
11/22/04	880 Q	2.619	12.0	
04/13/05	280	1.335	<5.0	
09/28/05	440	1.818	<5.0	
11/13/2006	330 Q	1.288		
10/18/2007	280 Q	1.126		

MW02	BEN	BTEX	CYN WAD	
04/14/94	<0.7	nd		
08/27/02	well not located			
08/13/03	well not located			
11/22/04	abandoned October 2004			

P304	BEN	BTEX	CYN WAD	
08/24/96	22	38		
08/12/96	21	21		
08/27/02	<0.48	nd		
08/13/03	<0.30	nd		
MW03	BEN	BTEX	CYN AVL	
11/22/04	1.063	2.9	31.0	
04/13/05	<0.34	1.063	<5.0	
09/28/05	<0.21	17.8	<5.0	
11/13/2006	<0.4	6.900		
10/18/2007	<0.14	0.9		

MW04	BEN	BTEX	CYN WAD	
04/14/94	13	1.943		
09/11/94	<17.5	2.789		
08/27/02	<0.48	nd		
08/14/03	<0.30	nd		
MW04	BEN	BTEX	CYN AVL	
11/22/04	0.15 Q	0.2	11.0	
04/13/05	abandoned April 2005			

MW05	BEN	BTEX	CYN WAD	
08/24/96	<0.50	nd		
08/12/96	<0.50	nd		
08/27/02	<0.48	nd		
08/14/03	<0.30	nd		
MW05	BEN	BTEX	CYN AVL	
11/22/04	<0.14	nd	22.0	
04/14/05	<0.14	nd	<5.0	
09/28/05	<0.21	nd	<5.0	
11/13/2006	<0.14	nd		
10/18/2007	2.3	4.16		

MW02	BEN	BTEX	CYN WAD	
04/14/94	1.230	3.090		
09/10/94	4.82	2.515		
08/27/02	0.78 Q	0.8		
08/13/03	18	25		
MW02	BEN	BTEX	CYN AVL	
11/22/04	4.8	19	69.0	
04/14/05	4.9	5.5	8.0	
09/28/05	0.43	14.3	<5.0	
11/13/2006	23	42		
10/18/2007	25	28.5		

P302	BEN	BTEX	CYN WAD	
08/24/96	<0.50	nd		
08/12/96	<0.50	nd		
08/27/02	<0.48	nd		
08/13/03	<0.30	nd		
P302	BEN	BTEX	CYN AVL	
11/22/04	<0.14	nd	<5.0	
04/14/05	<0.14	nd	<5.0	
09/28/05	<0.21	nd	<5.0	
11/13/2006	<0.14	nd		
10/18/2007	1.1	2.58		

MW05	BEN	BTEX	CYN WAD	
04/14/94	<0.7	nd		
09/11/94	<0.7	nd		
08/27/02	<0.48	nd		
08/13/03	<0.30	nd		
MW05	BEN	BTEX	CYN AVL	
11/22/04	0.73	1.4	<5.0	
04/14/05	<0.14	nd	<5.0	
09/28/05	<0.21	nd	<5.0	
11/13/2006	<0.14	nd		
10/18/2007	<0.14	nd		

MW04	BEN	BTEX	CYN WAD	
08/24/96	180	348		
08/12/96	280	361		
08/27/02	100	163		
08/13/03	97	154		
MW04	BEN	BTEX	CYN AVL	
11/22/04	28	48	66.0 Q	
04/14/05	1.1	1.1	7.8	
09/28/05	78	124	<5.0	
11/13/2006	1.1	1.1		
10/18/2007	82	77.8		

MW03	BEN	BTEX	CYN WAD	
08/24/96	<0.50	nd		
08/12/96	<0.50	nd		
08/27/02	<0.48	nd		
08/13/03	<0.30	nd		
MW03	BEN	BTEX	CYN AVL	
11/22/04	<0.14	nd	38.0	
04/14/05	1.5	2.0	<5.0	
09/28/05	<0.21	nd	<5.0	
11/13/2006	<0.14	nd		
10/18/2007	1.3	2.18		

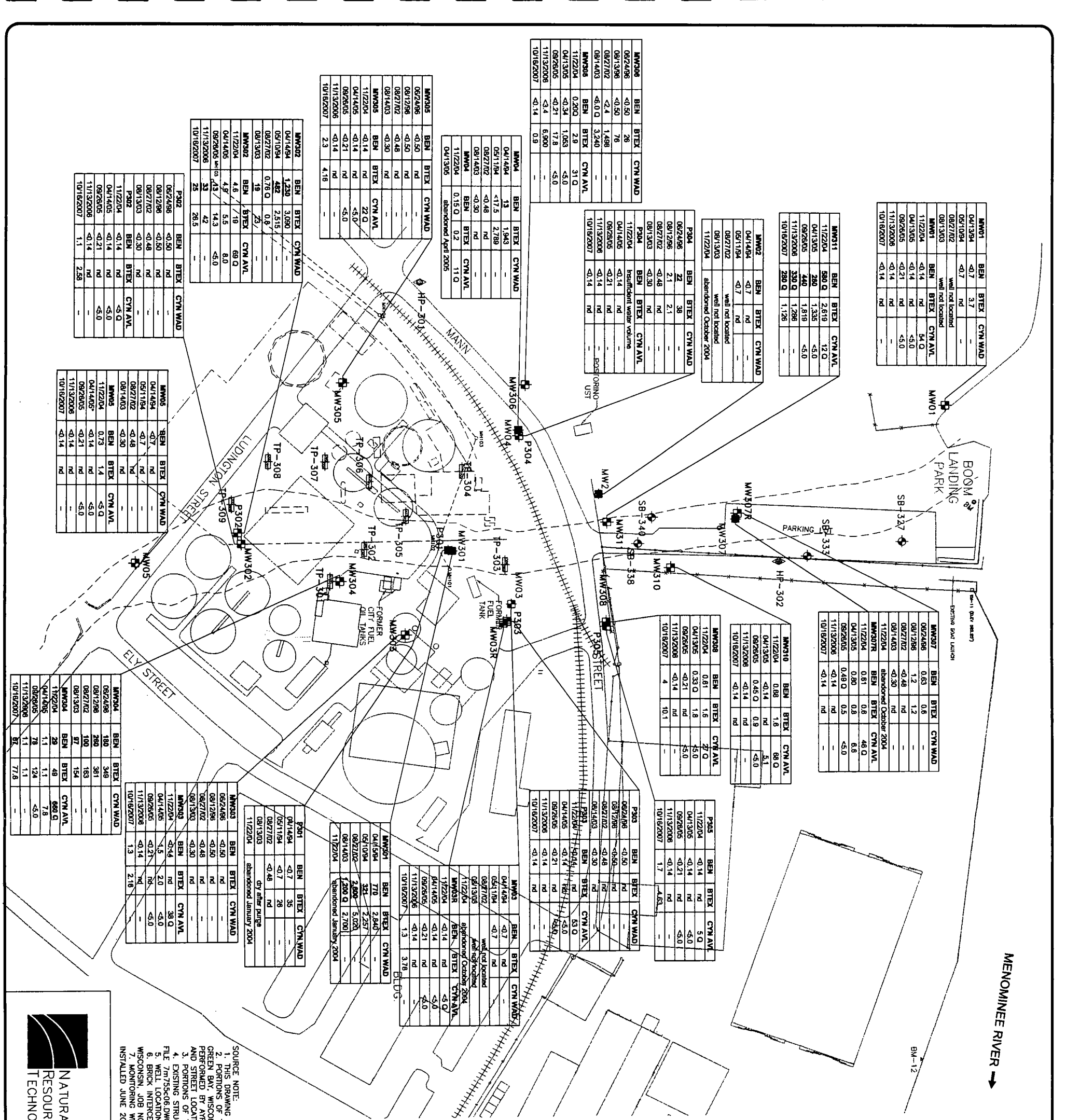
MW01	BEN	BTEX	CYN WAD	
04/14/94	<0.7	35		
09/11/94	<0.7	28		
08/27/02	<0.48	nd		
08/13/03	<0.30	nd		
MW01	BEN	BTEX	CYN AVL	
11/22/04	2.808	5.020		
04/14/05	1.200 Q	2.700		
11/13/2006	<0.14	nd		
10/18/2007	1.3	3.78		

P303	BEN	BTEX	CYN WAD	
08/24/96	<0.50	nd		
08/12/96	<0.50	nd		
08/27/02	<0.48	nd		
08/13/03	<0.30	nd		
P303	BEN	BTEX	CYN AVL	
11/22/04	<0.14	nd	53.0	
04/14/05	<0.14	nd	<5.0	
09/28/05	<0.21	nd	<5.0	
11/13/2006	<0.14	nd		
10/18/2007	<0.14	nd		

MW08	BEN	BTEX	CYN AVL	
11/22/04	0.81	1.6	27.0	
04/13/05	0.33 Q	1.8	<5.0	
09/28/05	<0.21	nd	<5.0	
11/13/2006	<0.14	nd		
10/18/2007	4	10.1		

MW08	BEN	BTEX	CYN AVL	
11/22/04	0.88	1.6	68.0	
04/13/05	<0.14	nd	5.1	
09/28/05	0.45 Q	0.9	<5.0	
11/13/2006	<0.14	nd		
10/18/2007	<0.14	nd		

MW07	BEN	BTEX	CYN WAD	
08/24/96	0.63	0.6		
08/12/96	1.2	1.2		
08/27/02	<0.48	nd		
08/14/03	<0.30	nd		
11/22/04	abandoned October 2004			
MW07R	BEN	BTEX	CYN AVL	
11/22/04	0.81	0.8	48.0	
04/13/05	0.80	0.5	6.8	
09/28/05	0.48 Q	0.5	<5.0	
11/13/2006	<0.14	nd		
10/18/2007	<0.14	nd		



LEGEND

- ⊕ MW-1 MONITORING WELL
- ⊕ P-301 PIEZOMETER
- ⊕ SB-333 SOIL BORING
- ⊕ ABANDONED MONITORING WELL
- ⊕ MW-2 HYDRO-PUNCH SAMPLE
- ⊕ HP-301 TEST PIT
- ⊕ TP-305 CITY OF MARINETTE PROPOSED BRICK INTERCEPTOR SEWER REPLACEMENT
- ⊕ FORMER MGP STRUCTURE
- ⊕ FORMER SLOUGH
- ⊕ RAILROAD
- ⊕ EXISTING STRUCTURE
- ⊕ FORMER WASTE WATER TREATMENT PLANT STRUCTURE

SAMPLE LOCATION	BEN	BTEX	CYN WAD	CYN AVL
BENZENE (µM)				
TOLUENE (µM)				
ETHYLBENZENE (µM)				
XYLENES (µM)				
WEAK ACID DISSOLUBLE (µM, FIELD TESTED)				
AVAILBLE OIA (µM, FIELD TESTED)				

DATA QUALITIES:

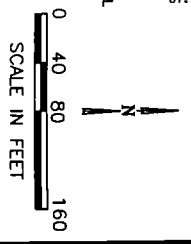
- 482 CONCENTRATION ATTAINS OR EXCEEDS MCL OR NR 140 ENFORCEMENT STANDARD
- nd NOT DETECTED
- STANDARD HAS NOT BEEN ESTABLISHED
- ANALYSES NOT PERFORMED
- µM/L: MICROGRAMS PER LITER
- Q: CONSTITUENT WAS NOT DETECTED ABOVE THE LIMIT OF DETECTION INDICATED.
- Q: LABORATORY NOTE - SEE REPORT

NOTE:

- 1. ANALYSES FOR BENZENE, TOLUENE, ETHYLBENZENE, TOTAL XYLENES, CYANIDE, WEAK ACID DISSOLUBLE, AND AVAILBLE OIA AVAILABLE CONCENTRATIONS SHOWN REFLECT THE HIGHER CONCENTRATION BETWEEN WELL SAMPLES AND DUPLICATE SAMPLES.

SOURCE NOTE:

1. THIS DRAWING WAS DEVELOPED FROM A MAP BY THE CITY OF MARINETTE.
2. DURING THE PROJECT THE DESIGN CONSULTANTS, LTD. CONSULTING ENGINEERS, GREEN BAY, WISCONSIN AND ASSOCIATES ON JULY 24-26, 2001. HYDROGRAPHIC SURVEY OF RIVER WAS CONDUCTED BY GREEN BAY AND ASSOCIATES ON JULY 24-26, 2001. VERTICAL CONTROL IS U.S.G.S. DATUM BUILDING AND STREET LOCATIONS NORTH OF RAILROAD TRACKS WERE SUPPLIED BY MARINETTE MARINE CORPORATION.
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4. EXISTING STRUCTURES AND UTILITIES FROM FOH & VAN DYKE ENGINEERS/ARCHITECTS, GRADING PLAN, DIGITAL FILE 7/17/2006 DWG. RECORD DRAWING REVISIONS 2/22/09.
5. FIELD LOCATIONS OF SEWER REPLACEMENT TAKEN FROM DRAWING BY ANRES ASSOCIATES, GREEN BAY, WISCONSIN, JOB NO. 019810, DRAWING NO. P101, SHEET NO. 7, DATED 3/14/03.
6. BENCH MARKS: MW-28, MW-38, MW-307R INSTALLED OCTOBER 2004 AND MW-308, MW-310, P-305 INSTALLED JUNE 2004. SURVEYED BY WPCSC IN JANUARY 2005. (NAD83, MARINETTE COUNTY COORDINATES).



NATURAL RESOURCE TECHNOLOGY

PROJECT NO. 1549/9.6

DRAWN BY: RLH 01/22/08

CHECKED BY: KJB 01/28/08

APPROVED BY: BQH 01/31/08

DRAWING NO: 1549-96-B04

REFERENCE: CAD TABLES 080117

GROUNDWATER BENZENE, TOTAL BTEX, AND CYANIDE ANALYTICAL SUMMARY

OCTOBER 2007 GROUNDWATER QUALITY UPDATE

FORMER MARINETTE MANUFACTURED GAS PLANT SITE

WISCONSIN PUBLIC SERVICE CORPORATION

MARINETTE, WISCONSIN

FIGURE NO. 3

MENOMINEE RIVER →

MW01	NAPH	PAH
04/13/94	<1.10	nd
05/10/94	<1.10	nd
08/27/02	well not located	
08/13/03	well not located	
11/22/04	0.14	0.2
04/13/05	0.055 Q	0.1
09/28/05	0.093 Q	0.3
11/13/06	0.024 Q	0.0914
10/16/07	0.031 Q	0.461

MW307	NAPH	PAH
06/24/96	<1.0	1.2
08/13/96	<1.0	nd
08/27/02	<0.067	1.9
08/14/03	0.033 Q	0.2
10/04	abandoned October 2004	
MW307R	NAPH	PAH
11/22/04	3.2 Q	31
04/13/05	0.55 Q	15
09/28/05	0.42	15
11/13/06	0.25 Q	16.26
10/16/07	0.3 Q	24.54

MW311	NAPH	PAH
11/22/04	3,200 Q	3,969
04/13/05	2,000 Q	2,679
09/28/05	2,800 Q	3,350
11/13/06	1,400 Q	1,825
10/16/07	1,500 Q	2,000

MW02	NAPH	PAH
04/14/94	3.34	3.3
05/11/94	1.75	1.8
08/27/02	well not located	
08/13/03	well not located	
11/22/04	abandoned October 2004	

MW04	NAPH	PAH
04/14/94	393	393
05/11/94	147	147
08/27/02	0.96	1.0
08/14/03	0.026 Q	0.03
11/22/04	0.026 Q	0.03
4/13/05	abandoned April 2005	

P304	NAPH	PAH
06/24/96	-	-
08/12/96	<1.0	nd
08/27/02	<0.067	nd
08/13/03	did not recover after purge	
11/22/04	insufficient water volume	
04/14/05	<0.17	nd
09/28/05	insufficient water volume	
11/13/06	0.068	0.265
10/16/07	<0.012	0.063

MW306	NAPH	PAH
06/24/96	<1.0	0.2
08/13/96	7.9	8.1
08/27/02	<0.067	nd
08/14/03	800 Q	6076
11/22/04	0.37	2.7
04/13/05	210 Q	419
09/28/05	1.9 Q	4.3
11/13/06	830 Q	845.7
10/16/07	<0.012	0.478

MW305	NAPH	PAH
06/24/96	<1.0	4.9
08/12/96	<1.0	8.8
08/27/02	<0.067	1.6
08/14/03	0.11 Q	3.1
11/22/04	<0.022	0.02
04/14/05	0.098	2.8
09/28/05	0.072 Q	2.2
11/13/06	0.023 Q	0.059
10/16/07	0.079	5.03

P302	NAPH	PAH
06/24/96	<1.0	nd
08/12/96	<1.0	nd
08/27/02	0.18 Q	0.2
08/13/03	0.43 Q	0.8
11/22/04	<0.022	nd
04/14/05	<0.022	nd
09/28/05	0.029 Q	0.04
11/13/06	0.018 Q	0.069
10/16/07	0.25	0.541

MW302	NAPH	PAH
04/14/94	2,500	2,705
05/10/94	2,520	2,627
08/27/02	11	507
08/13/03	0.85 Q	13
11/22/04	13 Q	590
04/14/05	<0.45	28
09/28/05	0.51 Q	-10
11/13/06	0.32 Q	12.14
10/16/07	0.036 Q	5.879

MW05	NAPH	PAH
04/14/94	<1.10	nd
05/11/94	<1.10	0.2
08/27/02	3.9	10
08/14/03	bottle broken in transit	
11/22/04	1.4 Q	1.7
04/14/05	0.034 Q	0.03
09/28/05	0.033 Q	0.03
11/13/06	0.017 Q	0.017
10/16/07	<0.012	nd

MW310	NAPH	PAH
11/22/04	5.4 Q	23
04/13/05	3.7	19
09/28/05	5.4 Q	86
11/13/06	4.1	25.33
10/16/07	0.014 Q	1.102

MW308	NAPH	PAH
11/22/04	<2.2	45
04/13/05	12	60
09/28/05	<0.047 Q	0.03
11/13/06	0.035 Q	0.131
10/16/07	<0.014 Q	0.541

P305	NAPH	PAH
11/22/04	0.025 Q	0.1
04/13/05	0.026 Q	0.04
09/28/05	3.3 Q	27
11/13/06	0.41 Q	9.72
10/16/07	0.022 Q	1.539

MW03	NAPH	PAH
04/14/94	2.52	6.8
05/11/94	0.28	0.6
08/27/02	well not located	
08/13/03	well not located	
11/22/04	abandoned October 2004	
MW03R	NAPH	PAH
11/22/04	<1.1 Q	17
04/14/05	<0.022	0.02
09/28/05	<0.39 Q	4.2
11/13/06	<0.012	0.699
10/16/07	0.19	1.256

P303	NAPH	PAH
06/24/96	-	-
08/12/96	<1.0	nd
08/27/02	<0.067	nd
08/14/03	<0.024	0.4
11/22/04	<0.022	0.4
04/14/05	<0.022	0.05
09/28/05	<0.023	1.7
11/13/06	0.015 Q	0.3201
10/16/07	<0.012	0.0596

MW01	NAPH	PAH
04/14/94	3,620	3,787
05/10/94	2,240	2,312
08/27/02	4,300	8,659
08/14/03	18,000 Q	54,340
11/22/04	abandoned January 2004	

P301	NAPH	PAH
04/14/94	<1.10	1.2
05/11/94	-	-
08/27/02	2.7	3.6
08/13/03	dry after purge	
11/22/04	abandoned January 2004	

MW303	NAPH	PAH
06/24/96	<1.0	nd
08/12/96	<1.0	nd
08/27/02	<0.067	9.3
08/13/03	0.039 Q	0.7
11/22/04	0.032 Q	0.6
04/14/05	0.16	0.7
09/28/05	0.069 Q	2.5
11/13/06	1.1 Q	1.702
10/16/07	1.7 Q	2.357

LEGEND

- MW-1 MONITORING WELL
- P-301 PIEZOMETER
- MW-2 ABANDONED MONITORING WELL
- HP-301 HYDRO-PUNCH SAMPLE
- TP-305 TEST PIT
- CITY OF MARINETTE PROPOSED BRICK INTERCEPTOR SEWER REPLACEMENT
- FORMER MGP STRUCTURE
- FORMER SLOUGH
- RAILROAD
- EXISTING STRUCTURE
- FORMER WASTE WATER TREATMENT PLANT STRUCTURE

SAMPLE LOCATION	NAPH	PAH
SAMPLE DATE	NAPHTHALENE (µg/L)	TOTAL POLYNUCLEAR AROMATIC HYDROCARBONS (µg/L)
-	100	ns

USEPA MCLs OR NR 140 WISCONSIN GROUNDWATER QUALITY STANDARDS

DATA QUALIFIERS:

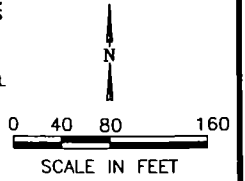
310 CONCENTRATION ATTAINS OR EXCEEDS MCL OR NR 140 ENFORCEMENT STANDARD
 nd: NOT DETECTED
 ns: STANDARD HAS NOT BEEN ESTABLISHED
 -: ANALYSIS NOT PERFORMED
 µg/L: MICROGRAMS PER LITER
 <: CONSTITUENT WAS NOT IDENTIFIED ABOVE THE LIMIT OF DETECTION INDICATED.
 Q: LABORATORY NOTE - SEE REPORT

NOTE:

1. DUPLICATE SAMPLES WERE COLLECTED DURING EACH SAMPLING EVENT. NAPHTHALENE AND TOTAL POLYNUCLEAR AROMATIC HYDROCARBONS CONCENTRATIONS SHOWN REFLECT THE HIGHER CONCENTRATION BETWEEN WELL SAMPLES AND DUPLICATE SAMPLES.

SOURCE NOTE:

- THIS DRAWING WAS DEVELOPED FROM A MAP BY THE CITY OF MARINETTE.
- PORTIONS OF THE DRAWING ARE FROM A DIGITAL FILE FROM STS CONSULTANTS, LTD. CONSULTING ENGINEERS, GREEN BAY, WISCONSIN, PROJECT NUMBER 26936, REVISED JANUARY 2001. HYDROGRAPHIC SURVEY OF RIVER WAS PERFORMED BY AYRES AND ASSOCIATES ON JULY 24-26, 2001. VERTICAL CONTROL IS U.S.G.S. DATUM. BUILDING AND STREET LOCATIONS NORTH OF RAILROAD TRACKS WERE SUPPLIED BY MARINETTE MARINE CORPORATION.
- PORTIONS OF THIS DRAWING ARE FROM HYDRO-SEARCH DRAWING.
- EXISTING STRUCTURES AND UTILITIES FROM FOTH & VAN DYKE ENGINEERS/ARCHITECTS, GRADING PLAN, DIGITAL FILE 7m755c06.DWG, RECORD DRAWING REVISIONS 2/22/90.
- WELL LOCATIONS FROM A SURVEY BY WSPC DATED OCTOBER 8, 2003, REVISED OCTOBER 31, 2003.
- BRICK INTERCEPTOR SEWER REPLACEMENT TAKEN FROM DRAWING BY AYRES ASSOCIATES, GREEN BAY, WISCONSIN, JOB NO. 16-0189.10, DRAWING NO. P101, SHEET NO. 7, DATED 3/14/03.
- MONITORING WELLS MW-2R, MW-3R, MW-307R INSTALLED OCTOBER 2004 AND MW-308, MW-310, P-305 INSTALLED JUNE 2004. SURVEYED BY WSPC IN JANUARY 2005. (NGVDB8, MARINETTE COUNTY COORDINATES).



PROJECT NO.		GROUNDWATER NAPHTHALENE AND PAH ANALYTICAL SUMMARY	
1549/9.6		OCTOBER 2007 GROUNDWATER QUALITY UPDATE	
DRAWN BY:		FORMER MARINETTE MANUFACTURED GAS PLANT SITE	
RLH 01/23/08		WISCONSIN PUBLIC SERVICE CORPORATION	
CHECKED BY:		MARINETTE, WISCONSIN	
KJB 01/29/08			
APPROVED BY:		DRAWING NO: 1549-96-B05	
BGH 01/31/08		REFERENCE: \CAD TABLES_080117.XLS	
		FIGURE NO. 4	

TABLES

Table 1. Groundwater Elevations
1549 - 2007 Groundwater Quality Update Transmittal
Wisconsin Public Service Corporation - Former Marinette Manufactured Gas Plant Site
EPA ID# WIN000509952
BRRTS# 02-38-000047

Sample Location	Date	TOC Elevation (NGVD)	Ground Surface Elevation (NGVD)	Total Well Depth from TOC (feet)	Well Screen Length (feet)	Top of Screen Elevation (NGVD)	Bottom of Screen Elevation (NGVD)	Depth to Water from TOC (feet)	Groundwater Elevation (NGVD)	
MW01	4/14/1994	585.09	582.63	14.4	10	580.69	570.69	3.84	581.25	a
	4/15/1994							3.54	581.55	a
	5/10/1994							4.36	580.73	a
	5/11/1994							4.31	580.78	a
	8/13/1996							Well could not be located		
	8/27/2002							Well could not be located		
	8/13/2003							located/repared October 2004		
	11/22/2004							6.39	578.70	
	4/13/2005							5.06	580.03	
	9/26/2005							7.01	578.08	
	11/13/2006							7.58	577.51	
10/16/2007	584.94 *	582.60 *	14.4	10	580.54	570.54	7.20	577.74		
MW02	4/14/1994	586.50	584.66	11.65	5	579.85	574.85	6.04	580.46	a
	4/15/1994							5.66	580.84	a
	5/10/1994							6.02	580.48	a
	5/11/1994							5.98	580.52	a
	8/13/1996							5.71	580.79	a
	8/27/2002							Well could not be located		
	8/13/2003							Well could not be located		
		Monitoring Well abandoned October 2004, not replaced								
MW03	4/14/1994	587.69	586.03	15.53	10	582.16	572.16	6.69	581.00	
	4/15/1994							6.46	581.23	
	5/10/1994							6.99	580.70	
	5/11/1994							6.95	580.74	
	8/13/1996							8.16	579.53	
	8/27/2002							Well could not be located		
	8/13/2003							Well could not be located		
	Monitoring Well abandoned October 2004, replaced with MW03R									
MW03R	11/22/2004	585.50	585.68	14.84	10	580.66	570.66	6.60	578.90	
	4/14/2005							6.24	579.26	
	9/26/2005							6.70	578.80	
	11/13/2006							6.94	578.56	
	10/16/2007	585.73 *	585.73 *	14.84	10	580.89	570.89	7.08	578.65	
MW04	4/14/1994	587.92	586.06	12.65	5	580.27	575.27	5.89	582.03	a
	4/15/1994							5.84	582.08	a
	5/10/1994							5.97	581.95	a
	5/11/1994							5.96	581.96	a
	8/13/1996							6.02	581.90	a
	8/27/2002							6.45	581.47	a
	8/13/2003							6.81	581.11	a
	11/22/2004							8.02	579.90	
		Monitoring Well abandoned April 2005, not replaced								
MW05	4/14/1994	591.76	590.14	16.66	10	585.1	575.1	7.27	584.49	
	4/15/1994							7.25	584.51	
	5/10/1994							6.78	584.98	
	5/11/1994							6.76	585.00	
	8/13/1996							6.04	585.72	a
	8/27/2002							7.40	584.36	
	8/13/2003							8.11	583.65	
	11/22/2004							8.20	583.56	
	4/14/2005							7.72	584.04	
	9/26/2005							8.54	583.22	
	11/13/2006							8.09	583.67	
10/16/2007	592.02 *	590.08 *	16.66	10	585.36	575.36	8.79	583.23		
MW301	4/14/1994	589.55	587.00	16.10	10	583.45	573.45	8.81	580.74	
	4/15/1994							8.68	580.87	
	5/10/1994							9.08	580.47	
	5/11/1994							-	-	
	8/13/1996							8.59	580.96	
	8/27/2002							10.00	579.55	
	8/13/2003							-	-	
	Monitoring Well abandoned January 2004, not replaced									

Table 1. Groundwater Elevations
1549 - 2007 Groundwater Quality Update Transmittal
Wisconsin Public Service Corporation - Former Marinette Manufactured Gas Plant Site
EPA ID# WIN000509952
BRRS# 02-38-000047

Sample Location	Date	TOC Elevation (NGVD)	Ground Surface Elevation (NGVD)	Total Well Depth from TOC (feet)	Well Screen Length (feet)	Top of Screen Elevation (NGVD)	Bottom of Screen Elevation (NGVD)	Depth to Water from TOC (feet)	Groundwater Elevation (NGVD)	
MW302	4/14/1994	594.94	591.82	18.27	10	586.67	576.67	13.37	581.57	
	4/15/1994							13.25	581.69	
	5/10/1994							13.23	581.71	
	5/11/1994							13.12	581.82	
	8/13/1996							12.15	582.79	
	8/27/2002							11.20	583.74	
	8/13/2003							14.24	580.70	
	11/22/2004							14.07	580.87	
	4/14/2005							13.46	581.48	
	9/26/2005							14.15	580.79	
	11/13/2006							14.29	580.65	
10/16/2007	595.06 *	591.78 *	18.27	10	586.79	576.79	14.32	580.74		
MW303	Monitoring Well constructed August 1996									
	8/13/1996	584.62	584.99	12.57	10	582.05	572.05	3.40	581.22	
	8/27/2002							4.65	579.97	
	8/13/2003							5.57	579.05	
	11/22/2004							5.62	579.00	
	4/14/2005							5.05	579.57	
	9/26/2005							5.46	579.16	
	11/13/2006							5.05	579.57	
	10/16/2007	585.05 *	585.05 *	12.57	10	582.48	572.48	5.71	579.34	
MW304	Monitoring Well constructed August 1996									
	8/13/1996	587.73	585.20	15.97	10	581.76	571.76	5.99	581.74	
	8/27/2002							4.10	583.63	
	8/13/2003							8.25	579.48	
	11/22/2004							7.91	579.82	
	4/14/2005							7.35	580.38	
	9/26/2005							8.05	579.68	
	11/13/2006							7.61	580.12	
	10/16/2007	587.66 *	585.06 *	15.97	10	581.69	571.69	8.58	579.08	
MW305	Monitoring Well constructed August 1996									
	8/13/1996	597.25	594.71	22.57	10	584.68	574.68	3.40	593.85	
	8/27/2002							14.48	582.77	
	8/13/2003							15.15	582.10	
	11/22/2004							15.96	581.29	
	4/14/2005							15.39	581.86	
	9/26/2005							15.97	581.28	
	11/13/2006							15.60	581.65	
	10/16/2007	597.20 *	594.81 *	22.57	10	584.63	574.63	16.32	580.88	
MW306	Monitoring Well constructed August 1996									
	8/13/1996	585.77	586.22	10.19	10	585.58	575.58	3.75	582.02	
	8/27/2002							4.15	581.62	
	8/13/2003							4.49	581.28	
	11/22/2004							5.66	580.11	
	4/13/2005							4.44	581.33	
	9/26/2005							5.72	580.05	
	11/13/2006							5.29	580.48	
	10/16/2007	586.28 *	586.38 *	10.19	10	586.09	576.09	6.03	580.25	
MW307	Monitoring Well constructed August 1996									
	8/13/1996	584.47	584.98	11.78	10	582.69	572.69	3.59	580.88	
	8/27/2002							4.85	579.62	
	8/13/2003							5.63	578.84	
MW307R	Monitoring Well abandoned October 2004, replaced with MW307R									
	11/22/2004	584.70	585.07	12.6	10	582.10	572.10	5.94	578.76	
	4/13/2005							5.47	579.23	
	9/26/2005							5.87	578.83	
	11/13/2006							6.35	578.35	
10/16/2007	584.98 *	584.97 *	12.6	10	582.38	572.38	6.51	578.47		
MW308	Monitoring Well constructed June 2004									
	11/22/2004	586.62	586.94	12.59	10	584.03	574.03	8.21	578.41	
	4/13/2005							7.79	578.83	
	9/26/2005							7.65	578.97	
	11/13/2006							7.95	578.67	
10/16/2007	586.85 *	586.77 *	12.59	10	584.26	574.26	8.18	578.67		

Table 1. Groundwater Elevations
1549 - 2007 Groundwater Quality Update Transmittal
Wisconsin Public Service Corporation - Former Marinette Manufactured Gas Plant Site
EPA ID# WIN000509952
BRRS# 02-38-000047

Sample Location	Date	TOC Elevation (NGVD)	Ground Surface Elevation (NGVD)	Total Well Depth from TOC (feet)	Well Screen Length (feet)	Top of Screen Elevation (NGVD)	Bottom of Screen Elevation (NGVD)	Depth to Water from TOC (feet)	Groundwater Elevation (NGVD)	
MW310	Monitoring Well constructed June 2004									
	11/22/2004	585.50	585.90	12.58	10	582.92	572.92	6.31	579.19	
	4/13/2005							5.85	579.65	
	9/26/2005							6.58	578.92	
	11/13/2006							6.95	578.55	
	10/16/2007	585.85 *	585.85 *	12.58	10	583.27	573.27	6.93	578.92	
MW311	Monitoring Well constructed June 2004									
	11/22/2004	585.20	585.60	14.29	10	580.91	570.91	7.01	578.19	
	4/13/2005							6.19	579.01	
	9/26/2005							6.62	578.58	
	11/13/2006							6.90	578.30	
	10/16/2007	585.60 *	585.60 *	14.29	10	581.31	571.31	6.48	579.12	
P301	4/14/1994	589.67	587.24	43.00	5	551.67	546.67	40.89	548.78	
	4/15/1994							41.81	547.86	
	5/10/1994							42.36	547.31	
	5/11/1994							42.95	546.72	
	8/13/1996							40.55	549.12	
	8/27/2002							33.50	556.17	a
	8/13/2003							41.58	548.09	
	Monitoring Well abandoned January 2004, not replaced									
P302	Monitoring Well constructed August 1996									
	8/13/1996	594.00	591.46	30.74	5	568.26	563.26	12.08	581.92	a
	8/27/2002							13.20	580.80	a
	8/13/2003							14.24	579.76	a
	11/22/2004							14.07	579.93	a
	4/14/2005							13.48	580.52	a
	9/26/2005							14.10	579.90	a
	11/13/2006							13.98	580.02	a
10/16/2007	593.81 *	591.40 *	30.74	5	568.07	563.07	14.33	579.48	a	
P303	Monitoring Well constructed August 1996									
	8/13/1996	587.65	585.43	34.72	5	557.93	552.93	32.46	555.19	
	8/27/2002							14.20	573.45	a
	8/13/2003							30.84	556.81	
	11/22/2004							30.45	557.20	
	4/14/2005							--	--	
	9/26/2005							32.44	555.21	
	11/13/2006							31.72	555.93	
10/16/2007	587.71 *	585.60 *	34.72	5	557.99	552.99	31.23	556.48		
P304	Monitoring Well constructed August 1996									
	8/13/1996	587.92	585.68	34.80	5	558.12	553.12	27.71	560.21	a
	8/27/2002							23.05	564.87	a
	8/13/2003							32.49	555.43	
	11/22/2004							32.85	555.07	
	4/14/2005							--	--	
	9/26/2005							32.40	555.52	
	11/13/2006							32.80	555.12	b
10/16/2007	587.85 *	585.79 *	34.8	5	558.05	553.05	33.05	554.80	b	
P305	Monitoring Well constructed June 2004									
	11/22/2004	586.96	586.96	26.63	5	565.33	560.33	7.32	579.64	a
	4/14/2005							6.94	580.02	a
	9/26/2005							7.90	579.06	a
	11/13/2006							8.27	578.69	a
	10/16/2007	586.90 *	586.89 *	26.63	5	565.27	560.27	8.12	578.78	a

[O-KJB/C-SAG 1/08]

NOTES:

TOC : Top of well casing
 NGVD : All elevations relative to National Geodetic Vertical Datum.
 * : Wells re-surveyed August 6, 2007 data collected after this date use this information

-- : Not measured
 a : Water level elevation above top of screen elevation
 b : Not Precise, measurement taken after removing bailer
 (1) : Not measured - Tar present



Table 2. Groundwater Analytical Results - Petroleum Volatile Organic Compounds (PVOCs, µg/L), and Cyanides (mg/L)

2007 Groundwater Quality Update
 Wisconsin Public Service Corporation - Former Marinette Manufactured Gas Plant Site
 1603 Ely Street, Marinette, Wisconsin
 BRRTS# : 02-38-000047 USEPA# : WIN000509952

Sample ID	Collection Date	Benzene	Ethylbenzene	Toluene	Xylene, O	Xylenes, m+p	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Cyanide, Available
Wisconsin Groundwater Quality Standards (NR 140, February 2004)									
Preventive Action Limit (PAL)		0.5	140	200	1000	1000	96	96	0.04
Enforcement Standard (ES)		5	700	1000	10000	10000	480	480	0.2
EPA Human Health Groundwater Standards									
Maximum Contaminant Levels (MCLs)		5	700	1000	10000	10000	NS	NS	NS
MW01	11/22/2004	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	0.054 Q
	4/13/2005	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005
	9/26/2005	< 0.21	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005
	11/13/2006	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--
	10/16/2007	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--
MW02	11/22/2004	abandoned October 2004, not replaced							
MW03	11/22/2004	abandoned October 2004, replaced with MW03R							
MW03R	11/22/2004	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005 Q
	4/14/2005	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005
	9/26/2005	< 0.21	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005
	11/13/2006	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--
	10/16/2007	1.3	1.9	< 0.36	0.56 Q	< 0.74	< 0.39	< 0.4	--
MW04	11/22/2004	samples were damaged, analysis was not performed							
	4/13/2005	damaged, abandoned April 2005, not replaced							

2007 Groundwater Quality Update
 Wisconsin Public Service Corporation - Former Marinette Manufactured Gas Plant Site
 1603 Ely Street, Marinette, Wisconsin
 BRRTS# : 02-38-000047 USEPA# : WIN000509952

Sample ID	Collection Date	Benzene	Ethylbenzene	Toluene	Xylene, O	Xylenes, m+p	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Cyanide, Available
Wisconsin Groundwater Quality Standards (NR 140, February 2004)									
Preventive Action Limit (PAL)		0.5	140	200	1000	1000	96	96	0.04
Enforcement Standard (ES)		5	700	1000	10000	10000	480	480	0.2
EPA Human Health Groundwater Standards									
Maximum Contaminant Levels (MCLs)		5	700	1000	10000	10000	NS	NS	NS
MW05	11/22/2004	0.73	0.63 Q	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005 Q
	4/14/2005	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005
	9/26/2005	< 0.21	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005
	11/13/2006	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--
	10/16/2007	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--
MW301	11/22/2004	abandoned January 2004 as part of sewer constructi							
MW302	11/22/2004	4.6	8.6	< 0.36	4.4	1.8 Q	0.61 Q	< 0.4	0.069 Q
	4/14/2005	4.9	0.57 Q	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	0.008
	9/26/2005	<u>13</u>	1.3 Q	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005
	11/13/2006	<u>33</u>	9	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--
	10/16/2007	<u>25</u>	1.1 Q	< 0.36	0.37 Q	< 0.74	< 0.39	< 0.4	--
MW303	11/22/2004	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	0.038 Q
	4/14/2005	1.5	0.53 Q	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005
	9/26/2005	< 0.21	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005
	11/13/2006	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--
	10/16/2007	1.3	0.86 Q	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--

Table 2. Groundwater Analytical Results - Petroleum Volatile Organic Compounds (PVOCs, µg/L), and Cyanides (mg/L)



2007 Groundwater Quality Update

Wisconsin Public Service Corporation - Former Marinette Manufactured Gas Plant Site

1603 Ely Street, Marinette, Wisconsin

BRRTS# : 02-38-000047

USEPA# : WIN000509952

<i>Sample ID</i>	<i>Collection Date</i>	<i>Benzene</i>	<i>Ethylbenzene</i>	<i>Toluene</i>	<i>Xylene, O</i>	<i>Xylenes, m+p</i>	<i>1,2,4- Trimethy- benzene</i>	<i>1,3,5-Trimethy- benzene</i>	<i>Cyanide, Available</i>
Wisconsin Groundwater Quality Standards (NR 140, February 2004)									
Preventive Action Limit (PAL)		0.5	140	200	1000	1000	96	96	0.04
Enforcement Standard (ES)		5	700	1000	10000	10000	480	480	0.2
EPA Human Health Groundwater Standards									
Maximum Contaminant Levels (MCLs)		5	700	1000	10000	10000	NS	NS	NS
MW304	11/22/2004	<u>29</u>	5.9	5.1	4	4.6	1.8	0.73 Q	0.66 Q
	4/14/2005	1.1	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	0.008
	9/26/2005	<u>78</u>	11	14	10	11	5.3	1.9	< 0.005
	9/26/2005	--	--	--	--	--	--	--	--
	11/13/2006	1.1	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--
	10/16/2007	<u>64</u>	6	1.5	4	2.1 Q	1.7	< 0.4	--
MW305	11/22/2004	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	0.022 Q
	4/14/2005	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005
	9/26/2005	< 0.21	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005
	11/13/2006	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--
	10/16/2007	2.3	1.4	< 0.36	0.46 Q	< 0.74	< 0.39	< 0.4	--
MW306	11/22/2004	0.2 Q	0.41 Q	< 0.36	2.3	< 0.74	5.5	< 0.4	0.028 Q
	4/13/2005	< 0.34	350	13	300	390	300	75	< 0.005
	9/26/2005	< 0.21	22	< 0.36	16	< 0.74	9	< 0.4	< 0.005
	11/13/2006	< 3.4	<u>1700</u>	100	2300	2800	1400	360	--
	10/16/2007	< 0.14	0.53 Q	< 0.36	0.37 Q	< 0.74	< 0.39	< 0.4	--
MW307	11/22/2004	abandoned October 2004, replaced with MW307R							

Table 2. Groundwater Analytical Results - Petroleum Volatile Organic Compounds (PVOCs, µg/L), and Cyanides (mg/L)



2007 Groundwater Quality Update

Wisconsin Public Service Corporation - Former Marinette Manufactured Gas Plant Site

1603 Ely Street, Marinette, Wisconsin

BRRTS# : 02-38-000047

USEPA# : WIN000509952

Sample ID	Collection Date	Benzene	Ethylbenzene	Toluene	Xylene, O	Xylenes, m+p	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Cyanide, Available
Wisconsin Groundwater Quality Standards (NR 140, February 2004)									
Preventive Action Limit (PAL)		0.5	140	200	1000	1000	96	96	0.04
Enforcement Standard (ES)		5	700	1000	10000	10000	480	480	0.2
EPA Human Health Groundwater Standards									
Maximum Contaminant Levels (MCLs)		5	700	1000	10000	10000	NS	NS	NS
MW307R									
	11/22/2004	0.61	< 0.4	< 0.36	< 0.36	< 0.74	0.69 Q	< 0.4	0.046 Q
	4/13/2005	0.57	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005
	9/26/2005	0.44 Q	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005
	11/13/2006	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--
	10/16/2007	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--
MW308									
	11/22/2004	0.61	< 0.4	< 0.36	1 Q	< 0.74	0.9 Q	< 0.4	0.027 Q
	4/13/2005	0.33 Q	0.71 Q	< 0.36	0.76 Q	< 0.74	1.4	< 0.4	< 0.005
	9/26/2005	< 0.21	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005
	11/13/2006	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--
	10/16/2007	4	5	< 0.36	1.1 Q	< 0.74	0.61 Q	< 0.4	--
MW310									
	11/22/2004	0.68	0.89 Q	< 0.36	< 0.36	< 0.74	0.46 Q	< 0.4	0.068 Q
	4/13/2005	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005
	9/26/2005	0.45 Q	< 0.4	< 0.36	0.44 Q	< 0.74	< 0.39	< 0.4	< 0.005
	11/13/2006	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--
	10/16/2007	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--

Table 2. Groundwater Analytical Results - Petroleum Volatile Organic Compounds (PVOCs, µg/L), and Cyanides (mg/L)



2007 Groundwater Quality Update
Wisconsin Public Service Corporation - Former Marinette Manufactured Gas Plant Site
1603 Ely Street, Marinette, Wisconsin
BRRTS# : 02-38-000047 **USEPA# : WIN000509952**

<i>Sample ID</i>	<i>Collection Date</i>	<i>Benzene</i>	<i>Ethylbenzene</i>	<i>Toluene</i>	<i>Xylene, O</i>	<i>Xylenes, m+p</i>	<i>1,2,4-Trimethylbenzene</i>	<i>1,3,5-Trimethylbenzene</i>	<i>Cyanide, Available</i>
Wisconsin Groundwater Quality Standards (NR 140, February 2004)									
Preventive Action Limit (PAL)		0.5	140	200	1000	1000	96	96	0.04
Enforcement Standard (ES)		5	700	1000	10000	10000	480	480	0.2
EPA Human Health Groundwater Standards									
Maximum Contaminant Levels (MCLs)		5	700	1000	10000	10000	NS	NS	NS
MW311									
	11/22/2004	580 Q	1200 Q	19 Q	310 Q	510 Q	150 Q	57 Q	0.012 Q
	4/13/2005	260	700	15	170	190	88	22	0.0051
	9/26/2005	440	920	19	230	210	120	31	< 0.005
	11/13/2006	330 Q	680 Q	19 Q	180 Q	77 Q	110 Q	26 Q	--
	10/16/2007	280 Q	640 Q	16 Q	150 Q	40 Q	97 Q	19 Q	--
P301									
	11/22/2004	abandoned January 2004 as part of sewer constructi							
P302									
	11/22/2004	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005 Q
	4/14/2005	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005
	9/26/2005	< 0.21	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005
	11/13/2006	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--
	10/16/2007	1.1	1.1 Q	< 0.36	0.38 Q	< 0.74	< 0.39	< 0.4	--
P303									
	11/22/2004	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	0.053 Q
	4/14/2005	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005
	9/26/2005	< 0.21	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005
	11/13/2006	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--
	10/16/2007	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--

Table 2. Groundwater Analytical Results - Petroleum Volatile Organic Compounds (PVOCS, µg/L), and Cyanides (mg/L)

2007 Groundwater Quality Update
 Wisconsin Public Service Corporation - Former Marinette Manufactured Gas Plant Site
 1603 Ely Street, Marinette, Wisconsin
 BRRTS# : 02-38-000047 USEPA# : WIN000509952

Sample ID	Collection Date	Benzene	Ethylbenzene	Toluene	Xylene, O	Xylenes, m+p	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Cyanide, Available
Wisconsin Groundwater Quality Standards (NR 140, February 2004)									
Preventive Action Limit (PAL)		0.5	140	200	1000	1000	96	96	0.04
Enforcement Standard (ES)		5	700	1000	10000	10000	480	480	0.2
EPA Human Health Groundwater Standards									
Maximum Contaminant Levels (MCLs)		5	700	1000	10000	10000	NS	NS	NS
P304	11/22/2004	--	--	--	--	--	--	--	--
	4/14/2005	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005
	9/26/2005	< 0.21	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--
	11/13/2006	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--
	10/16/2007	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--
P305	11/22/2004	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005 Q
	4/14/2005	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005
	9/26/2005	< 0.21	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005
	11/13/2006	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--
	10/16/2007	1.7	2.3	< 0.36	0.63 Q	< 0.74	< 0.39	< 0.4	--
QC01									
(MW306)	11/22/2004	0.15 Q	< 0.4	< 0.36	1.8	< 0.74	4.2	< 0.4	0.031 Q
(MW307R)	4/14/2005	0.8	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--
(MW306)	9/26/2005	< 0.21	23	< 0.36	17	0.81 Q	9.1	< 0.4	< 0.005
(MW05)	11/13/2006	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--
(MW307R)	10/16/2007	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--

Table 2. Groundwater Analytical Results - Petroleum Volatile Organic Compounds (PVOs, µg/L), and Cyanides (mg/L)



2007 Groundwater Quality Update

Wisconsin Public Service Corporation - Former Marinette Manufactured Gas Plant Site

1603 Ely Street, Marinette, Wisconsin

BRRTS# : 02-38-000047

USEPA# : WIN000509952

<i>Sample ID</i>	<i>Collection Date</i>	<i>Benzene</i>	<i>Ethylbenzene</i>	<i>Toluene</i>	<i>Xylene, O</i>	<i>Xylenes, m+p</i>	<i>1,2,4-Trimethylbenzene</i>	<i>1,3,5-Trimethylbenzene</i>	<i>Cyanide, Available</i>
Wisconsin Groundwater Quality Standards (NR 140, February 2004)									
Preventive Action Limit (PAL)		0.5	140	200	1000	1000	96	96	0.04
Enforcement Standard (ES)		5	700	1000	10000	10000	480	480	0.2
EPA Human Health Groundwater Standards									
Maximum Contaminant Levels (MCLs)		5	700	1000	10000	10000	NS	NS	NS
QC02									
(MW04)	11/22/2004	0.15 Q	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	0.011 Q
(MW05)	4/14/2005	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005
(MW307R)	9/26/2005	0.49 Q	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	< 0.005
(MW311)	11/13/2006	<u>300 Q</u>	580 Q	16 Q	150 Q	64 Q	97 Q	23 Q	--
(MW304)	10/16/2007	<u>67</u>	6.3	2.5	4.4	2.4 Q	1.8	< 0.4	--
TB									
	11/22/2004	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--
	4/13/2005	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	0.0066
	10/16/2007	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.39	< 0.4	--

Table 2. Groundwater Analytical Results - Petroleum Volatile Organic Compounds (PVOCs, µg/L), and Cyanides (mg/L)



2007 Groundwater Quality Update

Wisconsin Public Service Corporation - Former Marinette Manufactured Gas Plant Site

1603 Ely Street, Marinette, Wisconsin

BRRTS# : 02-38-000047

USEPA# : WIN000509952

<i>Sample ID</i>	<i>Collection Date</i>	<i>Benzene</i>	<i>Ethylbenzene</i>	<i>Toluene</i>	<i>Xylene, O</i>	<i>Xylenes, m+p</i>	<i>1,2,4- Trimethylbenzene</i>	<i>1,3,5-Trimethylbenzene</i>	<i>Cyanide, Available</i>
Wisconsin Groundwater Quality Standards (NR 140, February 2004)									
<u>Preventive Action Limit (PAL)</u>		0.5	140	200	1000	1000	96	96	0.04
<u>Enforcement Standard (ES)</u>		5	700	1000	10000	10000	480	480	0.2
EPA Human Health Groundwater Standards									
<u>Maximum Contaminant Levels (MCLs)</u>		5	700	1000	10000	10000	NS	NS	NS

Notes

- 1) Parameters that attain or exceed the EPA Human Health Groundwater Quality Standards (MCL) are shown in bold and underlined.
 - 2) If no MCL standard has been established, then parameters that attain or exceed the NR 140 Wisconsin Groundwater Quality Enforcement Standard (ES) are identified in bold and underlined.
 - 3) Reference the laboratory analytical report for full list of compounds analyzed.
 - 4) 1,2,4 and 1,3,5- Trimethylbenzene analytical results combined for comparison against the groundwater standards.
 - 5) Xylene analytical results combined for comparison against the groundwater standards.
- <2.0 : Parameter not detected above the Limit of Detection indicated.
 NS : Groundwater Quality Standard not established for this parameter.
 Q : Analyte result has been qualified, see laboratory analytical report for additional information.
 --: Analysis not performed.
 TB : Trip Blank for QA/QC.
 QC: Quality Control duplicate sample.

Table 3. Groundwater Analytical Results - Polynuclear Aromatic Hydrocarbon (PAHs) µg/L

2007 Groundwater Quality Update
 Wisconsin Public Service Corporation, Former Marinette Manufactured Gas Plant
 1603 Ely Street, Marinette, Wisconsin
 USEPA# : WIN000509952 BRRTS# : 02-38-000047

Sample ID	Collection Date	1-Methyl naphthalene	2-Methyl naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (ghi) perylene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
Wisconsin Groundwater Quality Standards (NR 140, January 2007)																			
Preventive Action Limit		NS	NS	NS	NS	600	NS	0.02	0.02	NS	NS	0.02	NS	80	80	NS	10	NS	50
Enforcement Standard		NS	NS	NS	NS	3000	NS	0.2	0.2	NS	NS	0.2	NS	400	400	NS	100	NS	250
EPA Human Health Groundwater Quality Standards																			
Maximum Contaminant Levels (MCL)		NS	NS	NS	NS	NS	NS	0.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW01	11/22/2004	< 0.02	< 0.023	0.022 Q	< 0.019	< 0.018	< 0.02	< 0.018	< 0.018	< 0.021 Q	< 0.019 Q	< 0.016	< 0.022 Q	< 0.016	< 0.022	< 0.017 Q	0.14	< 0.02	< 0.016
	4/13/2005	< 0.02	< 0.023	0.042 Q	< 0.02	< 0.018	< 0.02	< 0.018	< 0.018	< 0.021	< 0.02	< 0.017	< 0.022	< 0.017	< 0.022	< 0.017	0.055 Q	< 0.021	< 0.017
	9/26/2005	0.018 Q	0.021 Q	0.065	< 0.0081	< 0.012	< 0.016	< 0.018	< 0.016 Q	< 0.019	< 0.019 Q	< 0.019	< 0.019	0.02 Q	0.017 Q	< 0.019	0.093 Q	< 0.011	0.018 Q
	11/13/2006	< 0.01	< 0.011	0.042	< 0.0081	< 0.012	< 0.016	< 0.018	< 0.016 Q	< 0.019	< 0.019 Q	< 0.019	< 0.019	0.016 Q	0.0094 Q	< 0.019	0.024 Q	< 0.011	< 0.015
	10/16/2007	0.022 Q	0.013 Q	0.074	0.012 Q	0.017 Q	0.027 Q	0.025 Q	0.024 Q	0.021 Q	0.024 Q	0.03 Q	< 0.019	0.043 Q	0.025 Q	< 0.019	0.031 Q	0.027 Q	0.046 Q
MW02	11/22/2004	abandoned October 2004, not replaced																	
MW03	11/22/2004	abandoned October 2004, replaced with MW03R																	
MW03R	11/22/2004	0.18	0.051 Q	14 Q	0.28	0.15	< 0.02	< 0.018	< 0.018	< 0.021 Q	< 0.019 Q	< 0.016	< 0.022 Q	0.15	2.4 Q	< 0.017 Q	< 1.1 Q	0.049 Q	0.093
	4/14/2005	< 0.02	< 0.023	< 0.019	< 0.019	0.018 Q	< 0.02	< 0.018	< 0.018	< 0.021	< 0.019	< 0.016	< 0.022	< 0.016	< 0.022	< 0.017	< 0.022	< 0.02	< 0.016
	9/26/2005	0.23 Q	< 0.09	3	0.15 Q	0.17 Q	< 0.12	< 0.15	< 0.13 Q	< 0.15	< 0.15 Q	< 0.15	< 0.15	< 0.12	0.54	< 0.15	< 0.38 Q	0.098 Q	< 0.12
	11/13/2006	0.21	0.013 Q	0.11	0.014 Q	0.042	0.018 Q	0.027 Q	0.034 Q	0.027 Q	0.027 Q	0.025 Q	< 0.019	0.053	0.02 Q	0.021 Q	< 0.012	< 0.011	0.058
	10/16/2007	0.21	< 0.024	0.5	0.034 Q	0.088	< 0.033	< 0.039	< 0.033 Q	< 0.041	< 0.041 Q	< 0.04	< 0.04	0.045 Q	0.098	< 0.04	0.19	0.044 Q	0.047 Q
MW04	11/22/2004	samples were damaged, analysis was not performed																	
	4/13/2005	damaged, abandoned April 2005, not replaced																	
MW05	11/22/2004	0.087	0.085	0.06 Q	< 0.019	< 0.018	< 0.02	< 0.018	< 0.018	0.022 Q	0.022 Q	0.025 Q	< 0.022	< 0.016	< 0.022	< 0.017	1.4 Q	0.027 Q	< 0.016
	4/14/2005	< 0.02	< 0.023	< 0.019	< 0.019	< 0.018	< 0.02	< 0.018	< 0.018	< 0.021	< 0.019	< 0.016	< 0.022	< 0.016	< 0.022	< 0.017	< 0.022	< 0.02	< 0.016
	9/26/2005	< 0.01	< 0.011	< 0.0082	< 0.0081	< 0.012	< 0.016	< 0.018	< 0.016 Q	< 0.019	< 0.019 Q	< 0.019	< 0.019	< 0.015	< 0.0091	< 0.019	0.033 Q	< 0.011	< 0.015
	11/13/2006	< 0.01	< 0.011	< 0.0082	< 0.0081	< 0.012	< 0.016	< 0.018	< 0.016 Q	< 0.019	< 0.019 Q	< 0.019	< 0.019	< 0.015	< 0.0091	< 0.019	0.017 Q	< 0.011	< 0.015
	10/16/2007	< 0.01	< 0.011	< 0.0082	< 0.0082	< 0.012	< 0.016	< 0.019	< 0.016 Q	< 0.019	< 0.02 Q	< 0.019	< 0.019	< 0.016	< 0.0091	< 0.019	< 0.012	< 0.011	< 0.015
MW301	11/22/2004	abandoned January 2004 as part of sewer constructi																	
MW302	11/22/2004	< 4	< 4.5	5.3 Q	27	45	70	<u>80</u>	<u>45</u>	42 Q	47 Q	<u>59</u>	13 Q	110 Q	4.9 Q	39 Q	13 Q	22	78
	4/14/2005	< 0.4	< 0.45	0.4 Q	1.2 Q	0.96 Q	2.5	<u>3</u>	<u>2.3</u>	2	1.9	<u>1.9</u>	0.62 Q	3.5	< 0.44	1.8	< 0.45	1.2 Q	3
	9/26/2005	0.78	0.085 Q	1.8	0.88	0.82	0.35	<u>0.41</u>	<u>0.3 Q</u>	0.27	0.26 Q	<u>0.3</u>	< 0.075	1.2	0.75	0.22 Q	0.51 Q	0.58	0.85
	11/13/2006	1.2	< 0.11	2.5	0.78	0.46	0.38 Q	<u>0.48 Q</u>	<u>0.34 Q</u>	0.27 Q	0.3 Q	<u>0.36 Q</u>	< 0.19	2.1	0.81	0.22 Q	0.32 Q	0.22 Q	1.4
	10/16/2007	0.29	0.017 Q	1.8 Q	0.39	0.25	0.15	0.17	0.12 Q	0.11	0.11 Q	0.14	0.026 Q	1.3 Q	0.34	0.091	0.036 Q	0.069	0.47



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 USEPA# : WIN000509952 BRRTS# : 02-38-000047

Sample ID	Collection Date	1-Methyl naphthalene	2-Methyl naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (ghi) perylene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
Wisconsin Groundwater Quality Standards (NR 140, January 2007)																			
<u>Preventive Action Limit</u>		NS	NS	NS	NS	600	NS	0.02	0.02	NS	NS	0.02	NS	80	80	NS	10	NS	50
<u>Enforcement Standard</u>		NS	NS	NS	NS	3000	NS	0.2	0.2	NS	NS	0.2	NS	400	400	NS	100	NS	250
EPA Human Health Groundwater Quality Standards																			
<u>Maximum Contaminant Levels (MCL)</u>		NS	NS	NS	NS	NS	NS	0.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW303	11/22/2004	< 0.02	< 0.023	0.46	0.06 Q	< 0.018	< 0.02	< 0.018	< 0.018	< 0.021 Q	< 0.019 Q	< 0.016	< 0.022 Q	0.032 Q	< 0.022	< 0.017 Q	0.032 Q	< 0.02	0.035 Q
	4/14/2005	0.063 Q	0.058 Q	0.26	0.068	< 0.018	< 0.02	< 0.018	< 0.018	< 0.021	< 0.019	< 0.016	< 0.022	0.017 Q	< 0.022	< 0.017	0.18	< 0.02	0.02 Q
	9/26/2005	0.027 Q	0.028 Q	0.31	0.13	0.064	0.18	<u>0.23</u>	<u>0.22 Q</u>	0.16	0.16 Q	0.14	0.046 Q	0.21	0.011 Q	0.14	0.069 Q	0.044	0.3
	11/13/2006	0.12	0.071	0.11	0.02 Q	0.028 Q	< 0.016	0.021 Q	0.036 Q	0.025 Q	0.026 Q	0.021 Q	< 0.019	0.029 Q	0.015 Q	0.019 Q	1.1 Q	0.022 Q	0.039 Q
	10/16/2007	0.13	0.041	0.099	0.025 Q	0.038 Q	< 0.016	0.02 Q	0.027 Q	0.024 Q	0.024 Q	0.024 Q	< 0.019	0.047 Q	0.027 Q	0.019 Q	1.7 Q	0.033 Q	0.079
MW304	11/22/2004	2.5 Q	< 2.3	< 1.9	< 1.9	< 1.8	< 2	< 1.8	< 1.8	< 2.1 Q	< 1.9 Q	< 1.6	< 2.2 Q	< 1.7	< 2.2	< 1.7 Q	27	< 2	< 1.6
	4/14/2005	0.12	< 0.023	< 0.019	< 0.019	0.027 Q	0.02 Q	0.023 Q	0.036 Q	0.026 Q	0.028 Q	0.025 Q	< 0.022	0.041 Q	< 0.022	0.021 Q	0.06 Q	< 0.02	0.031 Q
	9/26/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/26/2005	4.2	< 1.1	1.7 Q	0.99 Q	< 1.2	< 1.6	< 1.8	< 1.6 Q	< 1.9	< 1.9 Q	< 1.9	< 1.9	< 1.5	< 0.91	< 1.9	47 Q	< 1.1	< 1.5
	11/13/2006	< 0.01	< 0.011	0.03	0.024 Q	0.04	< 0.016	0.022 Q	0.03 Q	0.023 Q	0.028 Q	0.022 Q	< 0.019	0.037 Q	< 0.0091	< 0.019	0.058 Q	< 0.011	0.025 Q
	10/16/2007	< 0.01	< 0.011	0.044	0.025 Q	0.022 Q	< 0.016	< 0.019	< 0.016 Q	< 0.019	< 0.02 Q	< 0.019	< 0.019	0.033 Q	< 0.0091	< 0.019	< 0.012	< 0.011	0.017 Q
MW305	11/22/2004	< 0.02	< 0.023	< 0.019	< 0.019	< 0.018	< 0.02	< 0.018	< 0.018	< 0.021 Q	< 0.019 Q	< 0.016	< 0.022 Q	0.018 Q	< 0.022	< 0.017 Q	< 0.022	< 0.02	< 0.016
	4/14/2005	0.025 Q	0.036 Q	< 0.019	0.35	0.098	0.24	0.2	<u>0.24</u>	0.24	0.21	<u>0.21</u>	0.071 Q	0.21	< 0.022	0.19	0.098	0.1	0.32
	9/26/2005	0.017 Q	0.031 Q	0.01 Q	0.29	0.11	0.17	0.15	0.18 Q	0.19	0.16 Q	0.15	0.05 Q	0.16	0.014 Q	0.14	0.072 Q	0.07	0.2
	11/13/2006	< 0.01	< 0.011	< 0.0082	0.02 Q	< 0.012	< 0.016	< 0.018	< 0.016 Q	< 0.019	< 0.019 Q	< 0.019	< 0.019	< 0.015	< 0.0091	< 0.019	0.023 Q	< 0.011	0.016 Q
	10/16/2007	0.087	0.062	0.12	0.66 Q	0.22	0.34	<u>0.36</u>	<u>0.38 Q</u>	0.45 Q	0.4 Q	<u>0.41</u>	0.11	0.34	0.032	0.36	0.079	0.14	0.48 Q
MW306	11/22/2004	1.8 Q	< 0.023	0.18	< 0.019	< 0.018	< 0.02	< 0.018	< 0.018	< 0.021 Q	< 0.019 Q	< 0.016	< 0.022 Q	0.035 Q	0.031 Q	< 0.017 Q	0.37	< 0.02	0.24
	4/13/2005	7.4 F	0.46	0.67 F	0.082	0.022 Q	< 0.02	< 0.018	< 0.018	< 0.021	< 0.019	< 0.017	< 0.022	0.12	0.17	< 0.017	<u>410 F</u>	0.05 Q	0.23
	9/26/2005	1.6 Q	0.018 Q	0.34	0.024 Q	0.016 Q	< 0.016	< 0.018	< 0.016 Q	< 0.019	< 0.019 Q	< 0.019	< 0.019	0.044 Q	0.041	< 0.019	1.9 Q	0.019 Q	0.26
	11/13/2006	12	2.3 Q	1.4 Q	< 0.81	< 1.2	< 1.6	< 1.8	< 1.6 Q	< 1.9	< 1.9 Q	< 1.9	< 1.9	< 1.5	< 0.91	< 1.9	<u>830 Q</u>	< 1.1	< 1.5
	10/16/2007	< 0.01	< 0.011	0.014 Q	0.018 Q	< 0.012	< 0.016	< 0.018	< 0.016 Q	< 0.019	< 0.019 Q	< 0.019	< 0.019	0.021 Q	< 0.0091	< 0.019	< 0.012	< 0.011	0.42
MW307	11/22/2004	abandoned October 2004, replaced with MW307R																	
MW307R	11/22/2004	6 Q	0.84 Q	7.4 Q	0.25	1 Q	0.5 Q	<u>0.31</u>	0.18	0.15 Q	0.17 Q	<u>0.34</u>	0.053 Q	1.8 Q	2.5 Q	0.14 Q	3.2 Q	4.8 Q	1.6 Q
	4/13/2005	2.1	< 0.23	3.4	< 0.2	0.55 Q	< 0.2	< 0.18	< 0.18	< 0.21	< 0.19	< 0.17	< 0.22	0.53 Q	0.9	< 0.17	0.48 Q	1.1	0.51 Q
	9/26/2005	1.6	< 0.22	5.2	0.21 Q	0.55 Q	< 0.31	< 0.37	< 0.31 Q	< 0.39	< 0.39 Q	< 0.38	< 0.38	0.93 Q	1.5	< 0.38	< 0.94 Q	2.1	0.73 Q
	11/13/2006	1.3	< 0.18	3.8	0.27 Q	0.62 Q	0.64 Q	<u>0.64 Q</u>	<u>0.4 Q</u>	0.33 Q	0.45 Q	<u>0.76 Q</u>	< 0.3	1.9	1.1	< 0.3	0.25 Q	2.1	1.7
(MW307R)	10/16/2007	2.1	< 0.23	5.6	0.42 Q	0.9	1 Q	<u>0.91 Q</u>	<u>0.52 Q</u>	0.54 Q	0.74 Q	<u>1.1 Q</u>	< 0.38	2.7	1.8	0.41 Q	0.3 Q	2.7	2.8

Table 3. Groundwater Analytical Results - Polynuclear Aromatic Hydrocarbon (PAHs) µg/L



2007 Groundwater Quality Update
 Wisconsin Public Service Corporation, Former Marinette Manufactured Gas Plant
 1603 Ely Street, Marinette, Wisconsin
 USEPA# : WIN000509952 BRRTS# : 02-38-000047

Sample ID	Collection Date	1-Methyl naphthalene	2-Methyl naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (ghi) perylene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
Wisconsin Groundwater Quality Standards (NR 140, January 2007)																			
<i>Preventive Action Limit</i>		NS	NS	NS	NS	600	NS	0.02	0.02	NS	NS	0.02	NS	80	80	NS	10	NS	50
Enforcement Standard		NS	NS	NS	NS	3000	NS	0.2	0.2	NS	NS	0.2	NS	400	400	NS	100	NS	250
EPA Human Health Groundwater Quality Standards																			
Maximum Contaminant Levels (MCL)		NS	NS	NS	NS	NS	NS	0.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW308	11/22/2004	18	< 2.3	11	3.6 Q	1.8 Q	< 2	< 1.8	< 1.8	< 2.1 Q	< 1.9 Q	< 1.6	< 2.2 Q	< 1.6	< 2.2	< 1.7 Q	< 2.2	11	< 1.6
	4/13/2005	21	< 2.3	19	2.3 Q	2 Q	< 2	< 1.8	< 1.8	< 2.1	< 2	< 1.7	< 2.2	< 1.7	< 2.2	< 1.7	12	3.7 Q	< 1.7
	9/26/2005	0.01 Q	0.017 Q	< 0.0082	< 0.0081	< 0.012	< 0.016	< 0.018	< 0.016 Q	< 0.019	< 0.019 Q	< 0.019	< 0.019	< 0.015	< 0.0091	< 0.019	< 0.047 Q	< 0.011	< 0.015
	11/13/2006	0.011 Q	0.016 Q	< 0.0082	< 0.0081	< 0.012	< 0.016	< 0.018	< 0.016 Q	< 0.019	< 0.019 Q	< 0.019	< 0.019	0.03 Q	< 0.0091	< 0.019	0.035 Q	0.016 Q	0.023 Q
	10/16/2007	0.21 Q	< 0.013 Q	0.46	0.022 Q	0.024 Q	< 0.018	< 0.021	< 0.018 Q	< 0.022	< 0.022 Q	< 0.022	< 0.021	0.058 Q	0.061	< 0.021	< 0.014 Q	0.047	0.059
MW310	11/22/2004	4.4 Q	1.3 Q	5.2 Q	0.067	0.7 Q	0.051 Q	< 0.018	< 0.018	< 0.021 Q	< 0.019 Q	0.035 Q	< 0.022 Q	0.37	1.9 Q	< 0.017 Q	5.4 Q	3 Q	0.39
	4/13/2005	3.4	< 0.46	5.3	< 0.39	1.3	< 0.4	< 0.37	< 0.36	< 0.42	< 0.39	< 0.33	< 0.44	0.41 Q	1.6	< 0.34	3.7	2.8	0.46 Q
	9/26/2005	10 Q	0.64 Q	14 Q	0.83	6	3.6	<u>2.3</u>	<u>1.6 Q</u>	1 Q	1.5 Q	<u>2.9</u>	0.41 Q	7	4.2	0.77 Q	5.4 Q	16 Q	7.4
	11/13/2006	4.6	< 0.45	9.7	< 0.32	1.1 Q	< 0.62	< 0.73	< 0.63 Q	< 0.77	< 0.77 Q	< 0.76	< 0.75	0.97 Q	1.4	< 0.75	4.1	2.5	0.96 Q
	10/16/2007	< 0.01	< 0.011	0.23	0.032	0.038 Q	0.062	0.069	0.044 Q	0.048 Q	0.053 Q	0.072	< 0.019	0.17	0.012 Q	0.034 Q	0.014 Q	0.034 Q	0.19
MW311	11/22/2004	350 Q	330 Q	< 240 Q	3.7 Q	9.9	< 2	< 1.8	< 1.8	< 2.1 Q	< 1.9 Q	< 1.6	< 2.2 Q	3.9 Q	36	< 1.7 Q	<u>3200 Q</u>	32	3.7 Q
	4/13/2005	170 Q	240 F	170 Q	4.6 Q	15	< 3.9	< 3.6	< 3.6	< 4.1	< 3.9	< 3.3	< 4.4	3.8 Q	37	< 3.4	<u>2000 F</u>	33	5.1 Q
	9/26/2005	300 Q	250 Q	190 Q	< 81	< 120	< 160	< 180	< 160	< 190	< 190	< 190	< 190	< 150	< 91	< 190	<u>2800 Q</u>	< 110	< 150
	11/13/2006	140 Q	73 Q	110 Q	3.6	15	< 1.6	< 1.8	< 1.6 Q	< 1.9	< 1.9 Q	< 1.9	< 1.9	4.9 Q	30	< 1.9	<u>1400 Q</u>	44	4.9
	10/16/2007	190 Q	56 Q	150 Q	4.8	12	< 1.6	< 1.8	< 1.6 Q	< 1.9	< 1.9 Q	< 1.9	< 1.9	4.1 Q	38	< 1.9	<u>1500 Q</u>	41	4.3 Q
P301	11/22/2004	abandoned January 2004 as part of sewer constructi																	
P302	11/22/2004	< 0.02	< 0.023	< 0.019	< 0.019	< 0.018	< 0.02	< 0.018	< 0.018	< 0.021	< 0.019	< 0.016	< 0.022	< 0.016	< 0.022	< 0.017	< 0.022	< 0.02	< 0.016
	4/14/2005	< 0.02	< 0.023	< 0.019	< 0.019	< 0.018	< 0.02	< 0.018	< 0.018	< 0.021	< 0.019	< 0.016	< 0.022	< 0.016	< 0.022	< 0.017	< 0.022	< 0.02	< 0.016
	9/26/2005	< 0.01	0.013 Q	< 0.0082	< 0.0082	< 0.012	< 0.016	< 0.019	< 0.016 Q	< 0.019	< 0.02 Q	< 0.019	< 0.019	< 0.016	< 0.0091	< 0.019	0.029 Q	< 0.011	< 0.015
	11/13/2006	< 0.01	< 0.011	< 0.0082	< 0.0081	< 0.012	< 0.016	< 0.018	0.016 Q	< 0.019	< 0.019 Q	< 0.019	< 0.019	0.02 Q	< 0.0091	< 0.019	0.018 Q	< 0.011	0.015 Q
	10/16/2007	0.11	0.012 Q	0.094	0.01 Q	< 0.012	< 0.016	< 0.018	< 0.016 Q	< 0.019	< 0.019 Q	< 0.019	< 0.019	< 0.015	0.025 Q	< 0.019	0.25	0.023 Q	0.017 Q
P303	11/22/2004	< 0.02	< 0.023	< 0.019	0.027 Q	< 0.018	0.05 Q	0.041 Q	0.026 Q	0.023 Q	0.03 Q	0.039 Q	< 0.022	0.071	< 0.022	0.019 Q	< 0.022	0.044 Q	0.067
	4/14/2005	< 0.02	< 0.023	< 0.019	< 0.019	< 0.018	< 0.02	< 0.018	< 0.018	< 0.021	< 0.019	< 0.016	< 0.022	0.027 Q	< 0.022	< 0.017	< 0.022	< 0.02	0.027 Q
	9/26/2005	< 0.019	< 0.021	0.023 Q	0.074	0.061 Q	0.17	0.16	0.11 Q	0.083 Q	0.1 Q	0.13	< 0.036	0.25	0.027 Q	0.072 Q	< 0.023	0.18	0.23
	11/13/2006	< 0.01	< 0.011	0.0091 Q	0.019 Q	< 0.012	0.026 Q	0.03 Q	0.023 Q	0.02 Q	0.025 Q	0.028 Q	< 0.019	0.048 Q	< 0.0091	< 0.019	0.015 Q	0.035 Q	0.042 Q
	10/16/2007	< 0.01	< 0.011	< 0.0082	0.0086 Q	< 0.012	< 0.016	< 0.018	< 0.016 Q	< 0.019	< 0.019 Q	< 0.019	< 0.019	0.018 Q	< 0.0091	< 0.019	< 0.012	0.013 Q	0.02 Q

Table 3. Groundwater Analytical Results - Polynuclear Aromatic Hydrocarbon (PAHs) µg/L



2007 Groundwater Quality Update
Wisconsin Public Service Corporation, Former Marinette Manufactured Gas Plant
1603 Ely Street, Marinette, Wisconsin
USEPA# : WIN000509952 BRRTS# : 02-38-000047

Sample ID	Collection Date	1-Methyl naphthalene	2-Methyl naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (ghi) perylene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
Wisconsin Groundwater Quality Standards (NR 140, January 2007)																			
Preventive Action Limit		NS	NS	NS	NS	600	NS	0.02	0.02	NS	NS	0.02	NS	80	80	NS	10	NS	50
Enforcement Standard		NS	NS	NS	NS	3000	NS	0.2	0.2	NS	NS	0.2	NS	400	400	NS	100	NS	250
EPA Human Health Groundwater Quality Standards																			
Maximum Contaminant Levels (MCL)		NS	NS	NS	NS	NS	NS	0.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
P304																			
	11/22/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/14/2005	< 0.15	< 0.17	< 0.15	< 0.15	< 0.13	< 0.15	< 0.14	< 0.14	< 0.16	< 0.15	< 0.12	< 0.17	< 0.12	< 0.16	< 0.13	< 0.17	< 0.15	< 0.12
	9/26/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/13/2006	< 0.011	< 0.012	< 0.0086	0.017 Q	< 0.012	< 0.017	0.023 Q	0.018 Q	< 0.02	0.021 Q	0.024 Q	< 0.02	0.039 Q	< 0.0096	< 0.02	0.068	0.022 Q	0.033 Q
	10/16/2007	< 0.01	< 0.011	< 0.0082	0.013 Q	< 0.012	< 0.016	< 0.018	< 0.016 Q	< 0.019	< 0.019 Q	< 0.019	< 0.019	0.018 Q	< 0.0091	< 0.019	< 0.012	0.013 Q	0.019 Q
P305																			
	11/22/2004	< 0.02	< 0.023	0.051 Q	< 0.019	< 0.018	< 0.02	< 0.018	< 0.018	< 0.021	< 0.019	< 0.016	< 0.022	< 0.016	< 0.022	< 0.017	0.025 Q	< 0.02	< 0.016
	4/14/2005	< 0.02	< 0.023	< 0.019	< 0.019	< 0.018	< 0.02	< 0.018	< 0.018	< 0.021	< 0.019	< 0.016	< 0.022	0.018 Q	< 0.022	< 0.017	0.026 Q	< 0.02	< 0.016
	9/26/2005	8.4 Q	0.05	9.8 Q	1.5 Q	0.32	0.061	< 0.018	< 0.016 Q	< 0.019	< 0.019 Q	0.036 Q	< 0.019	0.94 Q	0.39	< 0.019	3.3 Q	1.8 Q	0.73 Q
	11/13/2006	1.1	< 0.22	4.9	1.1	0.35 Q	< 0.31	< 0.37	< 0.31 Q	< 0.39	< 0.39 Q	< 0.38	< 0.38	1.1	< 0.18	< 0.38	0.41 Q	< 0.23	0.76 Q
	10/16/2007	0.21	< 0.012	0.23	0.36	0.18	< 0.016	< 0.019	< 0.016 Q	< 0.02	< 0.02 Q	< 0.02	< 0.02	0.23	0.06	< 0.02	0.022 Q	0.057	0.19
QC01																			
(MW306)	11/22/2004	0.54 Q	< 0.023	0.08	< 0.019	< 0.018	< 0.02	< 0.018	< 0.018	< 0.021	< 0.019	< 0.016	< 0.022	0.037 Q	< 0.022	< 0.017	0.11	< 0.02	0.24
(MW307R)	4/14/2005	3	< 0.45	5.5	< 0.39	1.2	< 0.39	< 0.36	< 0.36	< 0.41	< 0.39	< 0.33	< 0.44	0.56 Q	1.2 Q	< 0.34	0.55 Q	2.1	0.59 Q
(MW306)	9/26/2005	1.5 Q	0.013 Q	0.4	0.023 Q	0.015 Q	< 0.016	< 0.018	< 0.016 Q	< 0.019	< 0.019 Q	< 0.019	< 0.019	0.049 Q	0.044	< 0.019	1.6 Q	0.019 Q	0.3
(MW05)	11/13/2006	< 0.01	< 0.011	< 0.0082	< 0.0081	< 0.012	< 0.016	< 0.018	< 0.016 Q	< 0.019	< 0.019 Q	< 0.019	< 0.019	< 0.015	< 0.0091	< 0.019	0.018 Q	< 0.011	< 0.015
	10/16/2007	2.3	< 0.23	5.4	0.28 Q	0.57 Q	0.56 Q	<u>0.46 Q</u>	< 0.32 Q	< 0.39	0.41 Q	<u>0.63 Q</u>	< 0.38	1.7	1.5	< 0.38	0.27 Q	1.9	1.7
QC02																			
(MW04)	11/22/2004	< 0.02	< 0.023	< 0.019	< 0.019	< 0.018	< 0.02	< 0.018	< 0.018	< 0.021	< 0.019	< 0.016	< 0.022	< 0.016	< 0.022	< 0.017	0.026 Q	< 0.02	< 0.016
(MW05)	4/14/2005	< 0.02	< 0.023	< 0.019	< 0.019	< 0.018	< 0.02	< 0.018	< 0.018	< 0.021	< 0.019	< 0.016	< 0.022	< 0.016	< 0.022	< 0.017	0.034 Q	< 0.02	< 0.016
(MW307R)	9/26/2005	1.4 Q	0.073	5.8 Q	0.19	0.74 Q	0.12	0.042 Q	0.032 Q	0.022 Q	0.031 Q	0.087	< 0.019	1 Q	1.6 Q	0.019 Q	0.42	2.1 Q	0.86 Q
(MW311)	11/13/2006	180 Q	85 Q	130 Q	5.3	14	< 1.6	< 1.8	< 1.6 Q	< 1.9	< 1.9 Q	< 1.9	< 1.9	5 Q	37	< 1.9	<u>1600 Q</u>	45	4.9
(MW304)	10/16/2007	0.073	< 0.011	0.39	0.035	0.025 Q	< 0.016	< 0.019	< 0.016 Q	< 0.02	< 0.02 Q	< 0.019	< 0.019	0.065	0.066	< 0.019	< 0.013	< 0.012	0.037 Q
REP01																			
	9/27/2005	0.22	0.18 Q	0.34	1.3	0.64	1.3	<u>1.7</u>	<u>1 Q</u>	1	0.89 Q	<u>1.1</u>	0.34	1.6	0.14 Q	0.84	0.25	1	1.7

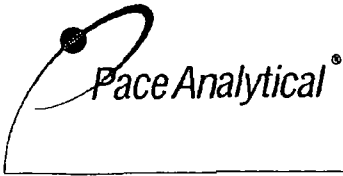
Table 3. Groundwater Analytical Results - Polynuclear Aromatic Hydrocarbon (PAHs) µg/L



APPENDIX A
LABORATORY ANALYTICAL REPORT

Sample Control Log
 Wisconsin Public Service Corporation
 Former Marinette Manufactured Gas Plant

Sample Location	Unique Sample ID	Duplicate Location
MW-5	71016001	
P-304	71016002	
MW-306	71016003	
MW-307R	71016004	
QC-01-Dup	71016005	MW-307R
MW-1	71016006	
MW-310	71016007	
MW-311	71016008	
MW-308	71016009	
P-305	71016010	
MW-3R	71016011	
P-303	71016012	
MW-304	71016013	
QC-02-Dup	71016014	MW-304
MW-305	71016015	
P-302	71016016	
MW-302	71016017	
MW-303	71016018	
TB	Trip Blank	



1241 Bellevue Street, Suite 9
 Green Bay, WI 54302
 920-469-2436, Fax: 920-469-8827

Analytical Report Number: 889889

Client: NATURAL RESOURCE TECHNOLOGY

Lab Contact: Brian Basten

Project Name: MARINETTE FORMER MGP

Project Number: 1549

Lab Sample Number	Field ID	Matrix	Collection Date
889889-001	071016001	WATER	10/16/07 08:44
889889-002	071016002	WATER	10/16/07 08:56
889889-003	071016003	WATER	10/16/07 09:12
889889-004	071016004	WATER	10/16/07 09:30
889889-005	071016005	WATER	10/16/07 09:30
889889-006	071016006	WATER	10/16/07 09:46
889889-007	071016007	WATER	10/16/07 10:15
889889-008	071016008	WATER	10/16/07 10:32
889889-009	071016009	WATER	10/16/07 10:51
889889-010	071016010	WATER	10/16/07 11:11
889889-011	071016011	WATER	10/16/07 11:27
889889-012	071016012	WATER	10/16/07 11:20
889889-013	071016013	WATER	10/16/07 11:48
889889-014	071016014	WATER	10/16/07 11:48
889889-015	071016015	WATER	10/16/07 12:04
889889-016	071016016	WATER	10/16/07 12:30
889889-017	071016017	WATER	10/16/07 12:41
889889-018	071016018	WATER	10/16/07 13:00
889889-019	TRIP BLANK	WATER	10/16/07

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. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

REPORT OF LABORATORY ANALYSIS

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Brian Basten
 Approval Signature

10-26-07
 Date

Client : NATURAL RESOURCE TECHNOLOGY
Project Name : MARINETTE FORMER MGP
Project Number : 1549
Field ID : 071016001

Matrix Type : WATER
Collection Date : 10/16/07
Report Date : 10/25/07
Lab Sample Number : 889889-001

PVOC							Prep Date/Time: 10/22/07 9:29 AM Anl By: SES			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,2,4-Trimethylbenzene	< 0.39	0.39	1.3		1	ug/L		10/22/07 9:29 AM	SW846 5030B	SW846 8021B
1,3,5-Trimethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 9:29 AM	SW846 5030B	SW846 8021B
Benzene	< 0.14	0.14	0.46		1	ug/L		10/22/07 9:29 AM	SW846 5030B	SW846 8021B
Ethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 9:29 AM	SW846 5030B	SW846 8021B
Methyl-tert-butyl-ether	< 0.36	0.36	1.2		1	ug/L		10/22/07 9:29 AM	SW846 5030B	SW846 8021B
Toluene	< 0.36	0.36	1.2		1	ug/L		10/22/07 9:29 AM	SW846 5030B	SW846 8021B
Xylene, m + p	< 0.74	0.74	2.5		1	ug/L		10/22/07 9:29 AM	SW846 5030B	SW846 8021B
Xylene, o	< 0.36	0.36	1.2		1	ug/L		10/22/07 9:29 AM	SW846 5030B	SW846 8021B
Surrogate		LCL	UCL							
a,a,a-Trifluorotoluene	102	80	124		1	%		10/22/07	SW846 5030B	SW846 8021B

PAH/ PNA							Prep Date/Time: 10/22/07 11:30 AM Anl By: RJN			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1-Methylnaphthalene	< 0.010	0.010	0.034		1	ug/L		10/23/07 9:08 AM	SW846 3510C	8270C-SIM
2-Methylnaphthalene	< 0.011	0.011	0.038		1	ug/L		10/23/07 9:08 AM	SW846 3510C	8270C-SIM
Acenaphthene	< 0.0082	0.0082	0.027		1	ug/L		10/23/07 9:08 AM	SW846 3510C	8270C-SIM
Acenaphthylene	< 0.0082	0.0082	0.027		1	ug/L		10/23/07 9:08 AM	SW846 3510C	8270C-SIM
Anthracene	< 0.012	0.012	0.039		1	ug/L		10/23/07 9:08 AM	SW846 3510C	8270C-SIM
Benzo(a)anthracene	< 0.016	0.016	0.052		1	ug/L		10/23/07 9:08 AM	SW846 3510C	8270C-SIM
Benzo(a)pyrene	< 0.019	0.019	0.062		1	ug/L		10/23/07 9:08 AM	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	< 0.016	0.016	0.053		1	ug/L	Z	10/23/07 9:08 AM	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	< 0.019	0.019	0.065		1	ug/L		10/23/07 9:08 AM	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	< 0.020	0.020	0.065		1	ug/L	Z	10/23/07 9:08 AM	SW846 3510C	8270C-SIM
Chrysene	< 0.019	0.019	0.064		1	ug/L		10/23/07 9:08 AM	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	< 0.019	0.019	0.063		1	ug/L		10/23/07 9:08 AM	SW846 3510C	8270C-SIM
Fluoranthene	< 0.016	0.016	0.052		1	ug/L		10/23/07 9:08 AM	SW846 3510C	8270C-SIM
Fluorene	< 0.0091	0.0091	0.030		1	ug/L		10/23/07 9:08 AM	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 0.019	0.019	0.063		1	ug/L		10/23/07 9:08 AM	SW846 3510C	8270C-SIM
Naphthalene	< 0.012	0.012	0.042		1	ug/L		10/23/07 9:08 AM	SW846 3510C	8270C-SIM
Phenanthrene	< 0.011	0.011	0.038		1	ug/L		10/23/07 9:08 AM	SW846 3510C	8270C-SIM
Pyrene	< 0.015	0.015	0.049		1	ug/L		10/23/07 9:08 AM	SW846 3510C	8270C-SIM
Surrogate		LCL	UCL							
Nitrobenzene-d5	72	10	150		1	%		10/23/07	SW846 3510C	8270C-SIM
2-Fluorobiphenyl	69	20	111		1	%		10/23/07	SW846 3510C	8270C-SIM
Terphenyl-d14	104	44	115		1	%		10/23/07	SW846 3510C	8270C-SIM

Client : NATURAL RESOURCE TECHNOLOGY
Project Name : MARINETTE FORMER MGP
Project Number : 1549
Field ID : 071016002

Matrix Type : WATER
Collection Date : 10/16/07
Report Date : 10/25/07
Lab Sample Number : 889889-002

PVOC							Prep Date/Time: 10/22/07 9:54 AM		Anl By: SES	
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,2,4-Trimethylbenzene	< 0.39	0.39	1.3		1	ug/L		10/22/07 9:54 AM	SW846 5030B	SW846 8021B
1,3,5-Trimethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 9:54 AM	SW846 5030B	SW846 8021B
Benzene	< 0.14	0.14	0.46		1	ug/L		10/22/07 9:54 AM	SW846 5030B	SW846 8021B
Ethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 9:54 AM	SW846 5030B	SW846 8021B
Methyl-tert-butyl-ether	< 0.36	0.36	1.2		1	ug/L		10/22/07 9:54 AM	SW846 5030B	SW846 8021B
Toluene	< 0.36	0.36	1.2		1	ug/L		10/22/07 9:54 AM	SW846 5030B	SW846 8021B
Xylene, m + p	< 0.74	0.74	2.5		1	ug/L		10/22/07 9:54 AM	SW846 5030B	SW846 8021B
Xylene, o	< 0.36	0.36	1.2		1	ug/L		10/22/07 9:54 AM	SW846 5030B	SW846 8021B
Surrogate		LCL	UCL							
a,a,a-Trifluorotoluene	102	80	124		1	%		10/22/07	SW846 5030B	SW846 8021B

PAH/ PNA							Prep Date/Time: 10/22/07 11:30 AM		Anl By: RJN	
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1-Methylnaphthalene	< 0.010	0.010	0.034		1	ug/L		10/23/07 9:32 AM	SW846 3510C	8270C-SIM
2-Methylnaphthalene	< 0.011	0.011	0.037		1	ug/L		10/23/07 9:32 AM	SW846 3510C	8270C-SIM
Acenaphthene	< 0.0082	0.0082	0.027		1	ug/L		10/23/07 9:32 AM	SW846 3510C	8270C-SIM
Acenaphthylene	0.013	0.0081	0.027		1	ug/L	Q	10/23/07 9:32 AM	SW846 3510C	8270C-SIM
Anthracene	< 0.012	0.012	0.039		1	ug/L		10/23/07 9:32 AM	SW846 3510C	8270C-SIM
Benzo(a)anthracene	< 0.016	0.016	0.052		1	ug/L		10/23/07 9:32 AM	SW846 3510C	8270C-SIM
Benzo(a)pyrene	< 0.018	0.018	0.061		1	ug/L		10/23/07 9:32 AM	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	< 0.016	0.016	0.052		1	ug/L	Z	10/23/07 9:32 AM	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	< 0.019	0.019	0.064		1	ug/L		10/23/07 9:32 AM	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	< 0.019	0.019	0.064		1	ug/L	Z	10/23/07 9:32 AM	SW846 3510C	8270C-SIM
Chrysene	< 0.019	0.019	0.063		1	ug/L		10/23/07 9:32 AM	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	< 0.019	0.019	0.063		1	ug/L		10/23/07 9:32 AM	SW846 3510C	8270C-SIM
Fluoranthene	0.018	0.015	0.052		1	ug/L	Q	10/23/07 9:32 AM	SW846 3510C	8270C-SIM
Fluorene	< 0.0091	0.0091	0.030		1	ug/L		10/23/07 9:32 AM	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 0.019	0.019	0.063		1	ug/L		10/23/07 9:32 AM	SW846 3510C	8270C-SIM
Naphthalene	< 0.012	0.012	0.041		1	ug/L		10/23/07 9:32 AM	SW846 3510C	8270C-SIM
Phenanthrene	0.013	0.011	0.038		1	ug/L	Q	10/23/07 9:32 AM	SW846 3510C	8270C-SIM
Pyrene	0.019	0.015	0.048		1	ug/L	Q	10/23/07 9:32 AM	SW846 3510C	8270C-SIM
Surrogate		LCL	UCL							
Nitrobenzene-d5	68	10	150		1	%		10/23/07	SW846 3510C	8270C-SIM
2-Fluorobiphenyl	75	20	111		1	%		10/23/07	SW846 3510C	8270C-SIM
Terphenyl-d14	113	44	115		1	%		10/23/07	SW846 3510C	8270C-SIM

Client : NATURAL RESOURCE TECHNOLOGY
Project Name : MARINETTE FORMER MGP
Project Number : 1549
Field ID : 071016003

Matrix Type : WATER
Collection Date : 10/16/07
Report Date : 10/25/07
Lab Sample Number : 889889-003

PVOC							Prep Date/Time: 10/22/07 10:20 AM Anl By: SES			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,2,4-Trimethylbenzene	< 0.39	0.39	1.3		1	ug/L		10/22/07 10:20 AM	SW846 5030B	SW846 8021B
1,3,5-Trimethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 10:20 AM	SW846 5030B	SW846 8021B
Benzene	< 0.14	0.14	0.46		1	ug/L		10/22/07 10:20 AM	SW846 5030B	SW846 8021B
Ethylbenzene	0.53	0.40	1.3		1	ug/L	Q	10/22/07 10:20 AM	SW846 5030B	SW846 8021B
Methyl-tert-butyl-ether	< 0.36	0.36	1.2		1	ug/L		10/22/07 10:20 AM	SW846 5030B	SW846 8021B
Toluene	< 0.36	0.36	1.2		1	ug/L		10/22/07 10:20 AM	SW846 5030B	SW846 8021B
Xylene, m + p	< 0.74	0.74	2.5		1	ug/L		10/22/07 10:20 AM	SW846 5030B	SW846 8021B
Xylene, o	0.37	0.36	1.2		1	ug/L	Q	10/22/07 10:20 AM	SW846 5030B	SW846 8021B
Surrogate		LCL	UCL							
a,a,a-Trifluorotoluene	102	80	124		1	%		10/22/07	SW846 5030B	SW846 8021B

PAH/ PNA							Prep Date/Time: 10/22/07 11:30 AM Anl By: RJN			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1-Methylnaphthalene	< 0.010	0.010	0.034		1	ug/L		10/23/07 9:56 AM	SW846 3510C	8270C-SIM
2-Methylnaphthalene	< 0.011	0.011	0.037		1	ug/L		10/23/07 9:56 AM	SW846 3510C	8270C-SIM
Acenaphthene	0.014	0.0082	0.027		1	ug/L	Q	10/23/07 9:56 AM	SW846 3510C	8270C-SIM
Acenaphthylene	0.018	0.0081	0.027		1	ug/L	Q	10/23/07 9:56 AM	SW846 3510C	8270C-SIM
Anthracene	< 0.012	0.012	0.039		1	ug/L		10/23/07 9:56 AM	SW846 3510C	8270C-SIM
Benzo(a)anthracene	< 0.016	0.016	0.052		1	ug/L		10/23/07 9:56 AM	SW846 3510C	8270C-SIM
Benzo(a)pyrene	< 0.018	0.018	0.061		1	ug/L		10/23/07 9:56 AM	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	< 0.016	0.016	0.052		1	ug/L	Z	10/23/07 9:56 AM	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	< 0.019	0.019	0.064		1	ug/L		10/23/07 9:56 AM	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	< 0.019	0.019	0.064		1	ug/L	Z	10/23/07 9:56 AM	SW846 3510C	8270C-SIM
Chrysene	< 0.019	0.019	0.063		1	ug/L		10/23/07 9:56 AM	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	< 0.019	0.019	0.063		1	ug/L		10/23/07 9:56 AM	SW846 3510C	8270C-SIM
Fluoranthene	0.021	0.015	0.052		1	ug/L	Q	10/23/07 9:56 AM	SW846 3510C	8270C-SIM
Fluorene	< 0.0091	0.0091	0.030		1	ug/L		10/23/07 9:56 AM	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 0.019	0.019	0.063		1	ug/L		10/23/07 9:56 AM	SW846 3510C	8270C-SIM
Naphthalene	< 0.012	0.012	0.041		1	ug/L		10/23/07 9:56 AM	SW846 3510C	8270C-SIM
Phenanthrene	< 0.011	0.011	0.038		1	ug/L		10/23/07 9:56 AM	SW846 3510C	8270C-SIM
Pyrene	0.42	0.015	0.048		1	ug/L		10/23/07 9:56 AM	SW846 3510C	8270C-SIM
Surrogate		LCL	UCL							
Nitrobenzene-d5	73	10	150		1	%		10/23/07	SW846 3510C	8270C-SIM
2-Fluorobiphenyl	68	20	111		1	%		10/23/07	SW846 3510C	8270C-SIM
Terphenyl-d14	112	44	115		1	%		10/23/07	SW846 3510C	8270C-SIM

Client : NATURAL RESOURCE TECHNOLOGY
Project Name : MARINETTE FORMER MGP
Project Number : 1549
Field ID : 071016004

Matrix Type : WATER
Collection Date : 10/16/07
Report Date : 10/25/07
Lab Sample Number : 889889-004

PVOC							Prep Date/Time: 10/22/07 10:46 AM Anl By: SES			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,2,4-Trimethylbenzene	< 0.39	0.39	1.3		1	ug/L		10/22/07 10:46 AM	SW846 5030B	SW846 8021B
1,3,5-Trimethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 10:46 AM	SW846 5030B	SW846 8021B
Benzene	< 0.14	0.14	0.46		1	ug/L		10/22/07 10:46 AM	SW846 5030B	SW846 8021B
Ethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 10:46 AM	SW846 5030B	SW846 8021B
Methyl-tert-butyl-ether	< 0.36	0.36	1.2		1	ug/L		10/22/07 10:46 AM	SW846 5030B	SW846 8021B
Toluene	< 0.36	0.36	1.2		1	ug/L		10/22/07 10:46 AM	SW846 5030B	SW846 8021B
Xylene, m + p	< 0.74	0.74	2.5		1	ug/L		10/22/07 10:46 AM	SW846 5030B	SW846 8021B
Xylene, o	< 0.36	0.36	1.2		1	ug/L		10/22/07 10:46 AM	SW846 5030B	SW846 8021B
Surrogate		LCL	UCL							
a,a,a-Trifluorotoluene	102	80	124		1	%		10/22/07	SW846 5030B	SW846 8021B

PAH/ PNA							Prep Date/Time: 10/22/07 11:30 AM Anl By: RJN			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1-Methylnaphthalene	2.1	0.21	0.69		20	ug/L		10/24/07 10:36 AM	SW846 3510C	8270C-SIM
2-Methylnaphthalene	< 0.23	0.23	0.76		20	ug/L		10/24/07 10:36 AM	SW846 3510C	8270C-SIM
Acenaphthene	5.6	0.17	0.55		20	ug/L		10/24/07 10:36 AM	SW846 3510C	8270C-SIM
Acenaphthylene	0.42	0.17	0.55		20	ug/L	Q	10/24/07 10:36 AM	SW846 3510C	8270C-SIM
Anthracene	0.90	0.24	0.79		20	ug/L		10/24/07 10:36 AM	SW846 3510C	8270C-SIM
Benzo(a)anthracene	1.0	0.32	1.1		20	ug/L	Q	10/24/07 10:36 AM	SW846 3510C	8270C-SIM
Benzo(a)pyrene	0.91	0.37	1.2		20	ug/L	Q	10/24/07 10:36 AM	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	0.52	0.32	1.1		20	ug/L	QZ	10/24/07 10:36 AM	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	0.54	0.39	1.3		20	ug/L	Q	10/24/07 10:36 AM	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	0.74	0.39	1.3		20	ug/L	QZ	10/24/07 10:36 AM	SW846 3510C	8270C-SIM
Chrysene	1.1	0.39	1.3		20	ug/L	Q	10/24/07 10:36 AM	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	< 0.38	0.38	1.3		20	ug/L		10/24/07 10:36 AM	SW846 3510C	8270C-SIM
Fluoranthene	2.7	0.32	1.1		20	ug/L		10/24/07 10:36 AM	SW846 3510C	8270C-SIM
Fluorene	1.8	0.18	0.62		20	ug/L		10/24/07 10:36 AM	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	0.41	0.38	1.3		20	ug/L	Q	10/24/07 10:36 AM	SW846 3510C	8270C-SIM
Naphthalene	0.30	0.25	0.84		20	ug/L	Q	10/24/07 10:36 AM	SW846 3510C	8270C-SIM
Phenanthrene	2.7	0.23	0.77		20	ug/L		10/24/07 10:36 AM	SW846 3510C	8270C-SIM
Pyrene	2.8	0.30	0.99		20	ug/L		10/24/07 10:36 AM	SW846 3510C	8270C-SIM
Surrogate		LCL	UCL							
Nitrobenzene-d5	0	10	150		20	%	D	10/24/07	SW846 3510C	8270C-SIM
2-Fluorobiphenyl	0	20	111		20	%	D	10/24/07	SW846 3510C	8270C-SIM
Terphenyl-d14	0	44	115		20	%	D	10/24/07	SW846 3510C	8270C-SIM

Client : NATURAL RESOURCE TECHNOLOGY

Matrix Type : WATER

Project Name : MARINETTE FORMER MGP

Collection Date : 10/16/07

Project Number : 1549

Report Date : 10/25/07

Field ID : 071016005

Lab Sample Number : 889889-005

PVOC

Prep Date/Time: 10/22/07 3:19 PM Anl By: SES

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,2,4-Trimethylbenzene	< 0.39	0.39	1.3		1	ug/L		10/22/07 3:19 PM	SW846 5030B	SW846 8021B
1,3,5-Trimethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 3:19 PM	SW846 5030B	SW846 8021B
Benzene	< 0.14	0.14	0.46		1	ug/L		10/22/07 3:19 PM	SW846 5030B	SW846 8021B
Ethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 3:19 PM	SW846 5030B	SW846 8021B
Methyl-tert-butyl-ether	< 0.36	0.36	1.2		1	ug/L		10/22/07 3:19 PM	SW846 5030B	SW846 8021B
Toluene	< 0.36	0.36	1.2		1	ug/L		10/22/07 3:19 PM	SW846 5030B	SW846 8021B
Xylene, m + p	< 0.74	0.74	2.5		1	ug/L		10/22/07 3:19 PM	SW846 5030B	SW846 8021B
Xylene, o	< 0.36	0.36	1.2		1	ug/L		10/22/07 3:19 PM	SW846 5030B	SW846 8021B
Surrogate		LCL	UCL							
a,a,a-Trifluorotoluene	101	80	124		1	%		10/22/07	SW846 5030B	SW846 8021B

PAH/ PNA

Prep Date/Time: 10/22/07 11:30 AM Anl By: RJN

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1-Methylnaphthalene	2.3	0.21	0.69		20	ug/L		10/23/07 9:29 PM	SW846 3510C	8270C-SIM
2-Methylnaphthalene	< 0.23	0.23	0.76		20	ug/L		10/23/07 9:29 PM	SW846 3510C	8270C-SIM
Acenaphthene	5.4	0.17	0.55		20	ug/L		10/23/07 9:29 PM	SW846 3510C	8270C-SIM
Acenaphthylene	0.28	0.17	0.55		20	ug/L	Q	10/23/07 9:29 PM	SW846 3510C	8270C-SIM
Anthracene	0.57	0.24	0.79		20	ug/L	Q	10/23/07 9:29 PM	SW846 3510C	8270C-SIM
Benzo(a)anthracene	0.56	0.32	1.1		20	ug/L	Q	10/23/07 9:29 PM	SW846 3510C	8270C-SIM
Benzo(a)pyrene	0.46	0.37	1.2		20	ug/L	Q	10/23/07 9:29 PM	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	< 0.32	0.32	1.1		20	ug/L	Z	10/23/07 9:29 PM	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	< 0.39	0.39	1.3		20	ug/L		10/23/07 9:29 PM	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	0.41	0.39	1.3		20	ug/L	QZ	10/23/07 9:29 PM	SW846 3510C	8270C-SIM
Chrysene	0.63	0.39	1.3		20	ug/L	Q	10/23/07 9:29 PM	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	< 0.38	0.38	1.3		20	ug/L		10/23/07 9:29 PM	SW846 3510C	8270C-SIM
Fluoranthene	1.7	0.32	1.1		20	ug/L		10/23/07 9:29 PM	SW846 3510C	8270C-SIM
Fluorene	1.5	0.18	0.62		20	ug/L		10/23/07 9:29 PM	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 0.38	0.38	1.3		20	ug/L		10/23/07 9:29 PM	SW846 3510C	8270C-SIM
Naphthalene	0.27	0.25	0.84		20	ug/L	Q	10/23/07 9:29 PM	SW846 3510C	8270C-SIM
Phenanthrene	1.9	0.23	0.77		20	ug/L		10/23/07 9:29 PM	SW846 3510C	8270C-SIM
Pyrene	1.7	0.30	0.99		20	ug/L		10/23/07 9:29 PM	SW846 3510C	8270C-SIM
Surrogate		LCL	UCL							
Nitrobenzene-d5	0	10	150		20	%	D	10/23/07	SW846 3510C	8270C-SIM
2-Fluorobiphenyl	0	20	111		20	%	D	10/23/07	SW846 3510C	8270C-SIM
Terphenyl-d14	0	44	115		20	%	D	10/23/07	SW846 3510C	8270C-SIM

Client : NATURAL RESOURCE TECHNOLOGY
Project Name : MARINETTE FORMER MGP
Project Number : 1549
Field ID : 071016006

Matrix Type : WATER
Collection Date : 10/16/07
Report Date : 10/25/07
Lab Sample Number : 889889-006

PVOC							Prep Date/Time: 10/22/07 3:45 PM Anl By: SES			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,2,4-Trimethylbenzene	< 0.39	0.39	1.3		1	ug/L		10/22/07 3:45 PM	SW846 5030B	SW846 8021B
1,3,5-Trimethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 3:45 PM	SW846 5030B	SW846 8021B
Benzene	< 0.14	0.14	0.46		1	ug/L		10/22/07 3:45 PM	SW846 5030B	SW846 8021B
Ethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 3:45 PM	SW846 5030B	SW846 8021B
Methyl-tert-butyl-ether	< 0.36	0.36	1.2		1	ug/L		10/22/07 3:45 PM	SW846 5030B	SW846 8021B
Toluene	< 0.36	0.36	1.2		1	ug/L		10/22/07 3:45 PM	SW846 5030B	SW846 8021B
Xylene, m + p	< 0.74	0.74	2.5		1	ug/L		10/22/07 3:45 PM	SW846 5030B	SW846 8021B
Xylene, o	< 0.36	0.36	1.2		1	ug/L		10/22/07 3:45 PM	SW846 5030B	SW846 8021B
Surrogate		LCL	UCL							
a,a,a-Trifluorotoluene	101	80	124		1	%		10/22/07	SW846 5030B	SW846 8021B

PAH/ PNA							Prep Date/Time: 10/22/07 11:30 AM Anl By: RJN			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1-Methylnaphthalene	0.022	0.010	0.034		1	ug/L	Q	10/24/07 11:48 AM	SW846 3510C	8270C-SIM
2-Methylnaphthalene	0.013	0.011	0.038		1	ug/L	Q	10/24/07 11:48 AM	SW846 3510C	8270C-SIM
Acenaphthene	0.074	0.0082	0.027		1	ug/L		10/24/07 11:48 AM	SW846 3510C	8270C-SIM
Acenaphthylene	0.012	0.0082	0.027		1	ug/L	Q	10/24/07 11:48 AM	SW846 3510C	8270C-SIM
Anthracene	0.017	0.012	0.039		1	ug/L	Q	10/24/07 11:48 AM	SW846 3510C	8270C-SIM
Benzo(a)anthracene	0.027	0.016	0.052		1	ug/L	Q	10/24/07 11:48 AM	SW846 3510C	8270C-SIM
Benzo(a)pyrene	0.025	0.019	0.062		1	ug/L	Q	10/24/07 11:48 AM	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	0.024	0.016	0.053		1	ug/L	QZ	10/24/07 11:48 AM	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	0.021	0.019	0.065		1	ug/L	Q	10/24/07 11:48 AM	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	0.024	0.020	0.065		1	ug/L	QZ	10/24/07 11:48 AM	SW846 3510C	8270C-SIM
Chrysene	0.030	0.019	0.064		1	ug/L	Q	10/24/07 11:48 AM	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	< 0.019	0.019	0.063		1	ug/L		10/24/07 11:48 AM	SW846 3510C	8270C-SIM
Fluoranthene	0.043	0.016	0.052		1	ug/L	Q	10/24/07 11:48 AM	SW846 3510C	8270C-SIM
Fluorene	0.025	0.0091	0.030		1	ug/L	Q	10/24/07 11:48 AM	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 0.019	0.019	0.063		1	ug/L		10/24/07 11:48 AM	SW846 3510C	8270C-SIM
Naphthalene	0.031	0.012	0.042		1	ug/L	Q	10/24/07 11:48 AM	SW846 3510C	8270C-SIM
Phenanthrene	0.027	0.011	0.038		1	ug/L	Q	10/24/07 11:48 AM	SW846 3510C	8270C-SIM
Pyrene	0.046	0.015	0.049		1	ug/L	Q	10/24/07 11:48 AM	SW846 3510C	8270C-SIM
Surrogate		LCL	UCL							
Nitrobenzene-d5	71	10	150		1	%		10/24/07	SW846 3510C	8270C-SIM
2-Fluorobiphenyl	65	20	111		1	%		10/24/07	SW846 3510C	8270C-SIM
Terphenyl-d14	130	44	115		1	%	F	10/24/07	SW846 3510C	8270C-SIM

Client : NATURAL RESOURCE TECHNOLOGY

Matrix Type : WATER

Project Name : MARINETTE FORMER MGP

Collection Date : 10/16/07

Project Number : 1549

Report Date : 10/25/07

Field ID : 071016007

Lab Sample Number : 889889-007

PVOC							Prep Date/Time: 10/22/07 4:10 PM Anl By: SES			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,2,4-Trimethylbenzene	< 0.39	0.39	1.3		1	ug/L		10/22/07 4:10 PM	SW846 5030B	SW846 8021B
1,3,5-Trimethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 4:10 PM	SW846 5030B	SW846 8021B
Benzene	< 0.14	0.14	0.46		1	ug/L		10/22/07 4:10 PM	SW846 5030B	SW846 8021B
Ethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 4:10 PM	SW846 5030B	SW846 8021B
Methyl-tert-butyl-ether	< 0.36	0.36	1.2		1	ug/L		10/22/07 4:10 PM	SW846 5030B	SW846 8021B
Toluene	< 0.36	0.36	1.2		1	ug/L		10/22/07 4:10 PM	SW846 5030B	SW846 8021B
Xylene, m + p	< 0.74	0.74	2.5		1	ug/L		10/22/07 4:10 PM	SW846 5030B	SW846 8021B
Xylene, o	< 0.36	0.36	1.2		1	ug/L		10/22/07 4:10 PM	SW846 5030B	SW846 8021B
Surrogate		LCL	UCL							
a,a,a-Trifluorotoluene	103	80	124		1	%		10/22/07	SW846 5030B	SW846 8021B

PAH/ PNA							Prep Date/Time: 10/22/07 11:30 AM Anl By: RJN			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1-Methylnaphthalene	< 0.010	0.010	0.034		1	ug/L		10/23/07 10:20 AM	SW846 3510C	8270C-SIM
2-Methylnaphthalene	< 0.011	0.011	0.038		1	ug/L		10/23/07 10:20 AM	SW846 3510C	8270C-SIM
Acenaphthene	0.23	0.0082	0.027		1	ug/L		10/23/07 10:20 AM	SW846 3510C	8270C-SIM
Acenaphthylene	0.032	0.0082	0.027		1	ug/L		10/23/07 10:20 AM	SW846 3510C	8270C-SIM
Anthracene	0.038	0.012	0.039		1	ug/L	Q	10/23/07 10:20 AM	SW846 3510C	8270C-SIM
Benzo(a)anthracene	0.062	0.016	0.052		1	ug/L		10/23/07 10:20 AM	SW846 3510C	8270C-SIM
Benzo(a)pyrene	0.069	0.019	0.062		1	ug/L		10/23/07 10:20 AM	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	0.044	0.016	0.053		1	ug/L	QZ	10/23/07 10:20 AM	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	0.048	0.019	0.065		1	ug/L	Q	10/23/07 10:20 AM	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	0.053	0.020	0.065		1	ug/L	QZ	10/23/07 10:20 AM	SW846 3510C	8270C-SIM
Chrysene	0.072	0.019	0.064		1	ug/L		10/23/07 10:20 AM	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	< 0.019	0.019	0.063		1	ug/L		10/23/07 10:20 AM	SW846 3510C	8270C-SIM
Fluoranthene	0.17	0.016	0.052		1	ug/L		10/23/07 10:20 AM	SW846 3510C	8270C-SIM
Fluorene	0.012	0.0091	0.030		1	ug/L	Q	10/23/07 10:20 AM	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	0.034	0.019	0.063		1	ug/L	Q	10/23/07 10:20 AM	SW846 3510C	8270C-SIM
Naphthalene	0.014	0.012	0.042		1	ug/L	Q	10/23/07 10:20 AM	SW846 3510C	8270C-SIM
Phenanthrene	0.034	0.011	0.038		1	ug/L	Q	10/23/07 10:20 AM	SW846 3510C	8270C-SIM
Pyrene	0.19	0.015	0.049		1	ug/L		10/23/07 10:20 AM	SW846 3510C	8270C-SIM
Surrogate		LCL	UCL							
Nitrobenzene-d5	71	10	150		1	%		10/23/07	SW846 3510C	8270C-SIM
2-Fluorobiphenyl	68	20	111		1	%		10/23/07	SW846 3510C	8270C-SIM
Terphenyl-d14	110	44	115		1	%		10/23/07	SW846 3510C	8270C-SIM

Client : NATURAL RESOURCE TECHNOLOGY

Matrix Type : WATER

Project Name : MARINETTE FORMER MGP

Collection Date : 10/16/07

Project Number : 1549

Report Date : 10/25/07

Field ID : 071016008

Lab Sample Number : 889889-008

PVOC							Prep Date/Time: 10/23/07 10:11 AM Anl By: SES			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,2,4-Trimethylbenzene	97	9.8	33		25	ug/L	K	10/23/07 10:11 AM	SW846 5030B	SW846 8021B
1,3,5-Trimethylbenzene	19	9.9	33		25	ug/L	QK	10/23/07 10:11 AM	SW846 5030B	SW846 8021B
Benzene	280	5.2	17		25	ug/L	K	10/23/07 10:11 AM	SW846 5030B	SW846 8021B
Ethylbenzene	640	10	33		25	ug/L	K	10/23/07 10:11 AM	SW846 5030B	SW846 8021B
Methyl-tert-butyl-ether	< 9.0	9.0	30		25	ug/L	K	10/23/07 10:11 AM	SW846 5030B	SW846 8021B
Toluene	16	8.9	30		25	ug/L	QK	10/23/07 10:11 AM	SW846 5030B	SW846 8021B
Xylene, m + p	40	19	62		25	ug/L	QK	10/23/07 10:11 AM	SW846 5030B	SW846 8021B
Xylene, o	150	9.0	30		25	ug/L	K	10/23/07 10:11 AM	SW846 5030B	SW846 8021B
Surrogate		LCL	UCL							
a,a,a-Trifluorotoluene	102	80	124		1	%		10/23/07	SW846 5030B	SW846 8021B

PAH/ PNA							Prep Date/Time: 10/22/07 11:30 AM Anl By: RJN			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1-Methylnaphthalene	190	51	170		5000	ug/L	D	10/24/07 11:20 PM	SW846 3510C	8270C-SIM
2-Methylnaphthalene	56	1.1	3.7		100	ug/L	E	10/23/07 10:17 PM	SW846 3510C	8270C-SIM
Acenaphthene	150	41	140		5000	ug/L	D	10/24/07 11:20 PM	SW846 3510C	8270C-SIM
Acenaphthylene	4.8	0.81	2.7		100	ug/L		10/23/07 10:17 PM	SW846 3510C	8270C-SIM
Anthracene	12	1.2	3.9		100	ug/L		10/23/07 10:17 PM	SW846 3510C	8270C-SIM
Benzo(a)anthracene	< 1.6	1.6	5.2		100	ug/L		10/23/07 10:17 PM	SW846 3510C	8270C-SIM
Benzo(a)pyrene	< 1.8	1.8	6.1		100	ug/L		10/23/07 10:17 PM	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	< 1.6	1.6	5.2		100	ug/L	Z	10/23/07 10:17 PM	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	< 1.9	1.9	6.4		100	ug/L		10/23/07 10:17 PM	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	< 1.9	1.9	6.4		100	ug/L	Z	10/23/07 10:17 PM	SW846 3510C	8270C-SIM
Chrysene	< 1.9	1.9	6.3		100	ug/L		10/23/07 10:17 PM	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	< 1.9	1.9	6.3		100	ug/L		10/23/07 10:17 PM	SW846 3510C	8270C-SIM
Fluoranthene	4.1	1.5	5.2		100	ug/L	Q	10/23/07 10:17 PM	SW846 3510C	8270C-SIM
Fluorene	38	0.91	3.0		100	ug/L		10/23/07 10:17 PM	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 1.9	1.9	6.3		100	ug/L		10/23/07 10:17 PM	SW846 3510C	8270C-SIM
Naphthalene	1500	62	210		5000	ug/L	D	10/24/07 11:20 PM	SW846 3510C	8270C-SIM
Phenanthrene	41	1.1	3.8		100	ug/L		10/23/07 10:17 PM	SW846 3510C	8270C-SIM
Pyrene	4.3	1.5	4.8		100	ug/L	Q	10/23/07 10:17 PM	SW846 3510C	8270C-SIM
Surrogate		LCL	UCL							
Nitrobenzene-d5	0	10	150		100	%	D	10/23/07	SW846 3510C	8270C-SIM
2-Fluorobiphenyl	0	20	111		100	%	D	10/23/07	SW846 3510C	8270C-SIM
Terphenyl-d14	0	44	115		100	%	D	10/23/07	SW846 3510C	8270C-SIM

**Pace Analytical
Services, Inc.**

Analytical Report Number: 889889

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

Client : NATURAL RESOURCE TECHNOLOGY

Matrix Type : WATER

Project Name : MARINETTE FORMER MGP

Collection Date : 10/16/07

Project Number : 1549

Report Date : 10/25/07

Field ID : 071016009

Lab Sample Number : 889889-009

							Prep Date/Time: 10/22/07 12:19 PM Anl By: SES			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,2,4-Trimethylbenzene	0.61	0.39	1.3		1	ug/L	Q	10/22/07 12:19 PM	SW846 5030B	SW846 8021B
1,3,5-Trimethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 12:19 PM	SW846 5030B	SW846 8021B
Benzene	4.0	0.14	0.46		1	ug/L		10/22/07 12:19 PM	SW846 5030B	SW846 8021B
Ethylbenzene	5.0	0.40	1.3		1	ug/L		10/22/07 12:19 PM	SW846 5030B	SW846 8021B
Methyl-tert-butyl-ether	< 0.36	0.36	1.2		1	ug/L		10/22/07 12:19 PM	SW846 5030B	SW846 8021B
Toluene	< 0.36	0.36	1.2		1	ug/L		10/22/07 12:19 PM	SW846 5030B	SW846 8021B
Xylene, m + p	< 0.74	0.74	2.5		1	ug/L		10/22/07 12:19 PM	SW846 5030B	SW846 8021B
Xylene, o	1.1	0.36	1.2		1	ug/L	Q	10/22/07 12:19 PM	SW846 5030B	SW846 8021B
Surrogate		LCL	UCL							
a,a,a-Trifluorotoluene	102	80	124		1	%		10/22/07	SW846 5030B	SW846 8021B

							Prep Date/Time: 10/22/07 11:30 AM Anl By: RJN			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1-Methylnaphthalene	0.21	0.012	0.038		1	ug/L	N	10/23/07 8:45 AM	SW846 3510C	8270C-SIM
2-Methylnaphthalene	< 0.013	0.013	0.043		1	ug/L	*	10/23/07 8:45 AM	SW846 3510C	8270C-SIM
Acenaphthene	0.46	0.0093	0.031		1	ug/L		10/23/07 8:45 AM	SW846 3510C	8270C-SIM
Acenaphthylene	0.022	0.0092	0.031		1	ug/L	Q	10/23/07 8:45 AM	SW846 3510C	8270C-SIM
Anthracene	0.024	0.013	0.044		1	ug/L	Q	10/23/07 8:45 AM	SW846 3510C	8270C-SIM
Benzo(a)anthracene	< 0.018	0.018	0.059		1	ug/L		10/23/07 8:45 AM	SW846 3510C	8270C-SIM
Benzo(a)pyrene	< 0.021	0.021	0.070		1	ug/L		10/23/07 8:45 AM	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	< 0.018	0.018	0.059		1	ug/L	Z	10/23/07 8:45 AM	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	< 0.022	0.022	0.073		1	ug/L		10/23/07 8:45 AM	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	< 0.022	0.022	0.073		1	ug/L	Z	10/23/07 8:45 AM	SW846 3510C	8270C-SIM
Chrysene	< 0.022	0.022	0.072		1	ug/L		10/23/07 8:45 AM	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	< 0.021	0.021	0.072		1	ug/L		10/23/07 8:45 AM	SW846 3510C	8270C-SIM
Fluoranthene	0.058	0.018	0.059		1	ug/L	Q	10/23/07 8:45 AM	SW846 3510C	8270C-SIM
Fluorene	0.061	0.010	0.034		1	ug/L		10/23/07 8:45 AM	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 0.021	0.021	0.071		1	ug/L		10/23/07 8:45 AM	SW846 3510C	8270C-SIM
Naphthalene	< 0.014	0.014	0.047		1	ug/L	N*	10/23/07 8:45 AM	SW846 3510C	8270C-SIM
Phenanthrene	0.047	0.013	0.043		1	ug/L		10/23/07 8:45 AM	SW846 3510C	8270C-SIM
Pyrene	0.059	0.017	0.055		1	ug/L		10/23/07 8:45 AM	SW846 3510C	8270C-SIM
Surrogate		LCL	UCL							
Nitrobenzene-d5	39	10	150		1	%		10/23/07	SW846 3510C	8270C-SIM
2-Fluorobiphenyl	69	20	111		1	%		10/23/07	SW846 3510C	8270C-SIM
Terphenyl-d14	115	44	115		1	%		10/23/07	SW846 3510C	8270C-SIM

Client : NATURAL RESOURCE TECHNOLOGY
Project Name : MARINETTE FORMER MGP
Project Number : 1549
Field ID : 071016010

Matrix Type : WATER
Collection Date : 10/16/07
Report Date : 10/25/07
Lab Sample Number : 889889-010

PVOC							Prep Date/Time: 10/22/07 5:52 PM		Anl By: SES	
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,2,4-Trimethylbenzene	< 0.39	0.39	1.3		1	ug/L		10/22/07 5:52 PM	SW846 5030B	SW846 8021B
1,3,5-Trimethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 5:52 PM	SW846 5030B	SW846 8021B
Benzene	1.7	0.14	0.46		1	ug/L		10/22/07 5:52 PM	SW846 5030B	SW846 8021B
Ethylbenzene	2.3	0.40	1.3		1	ug/L		10/22/07 5:52 PM	SW846 5030B	SW846 8021B
Methyl-tert-butyl-ether	< 0.36	0.36	1.2		1	ug/L		10/22/07 5:52 PM	SW846 5030B	SW846 8021B
Toluene	< 0.36	0.36	1.2		1	ug/L		10/22/07 5:52 PM	SW846 5030B	SW846 8021B
Xylene, m + p	< 0.74	0.74	2.5		1	ug/L		10/22/07 5:52 PM	SW846 5030B	SW846 8021B
Xylene, o	0.63	0.36	1.2		1	ug/L	Q	10/22/07 5:52 PM	SW846 5030B	SW846 8021B
Surrogate		LCL	UCL							
a,a,a-Trifluorotoluene	100	80	124		1	%		10/22/07	SW846 5030B	SW846 8021B

PAH/ PNA							Prep Date/Time: 10/22/07 11:30 AM		Anl By: RJN	
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1-Methylnaphthalene	0.21	0.011	0.035		1	ug/L		10/23/07 10:44 AM	SW846 3510C	8270C-SIM
2-Methylnaphthalene	< 0.012	0.012	0.039		1	ug/L		10/23/07 10:44 AM	SW846 3510C	8270C-SIM
Acenaphthene	0.23	0.0086	0.029		1	ug/L		10/23/07 10:44 AM	SW846 3510C	8270C-SIM
Acenaphthylene	0.36	0.0085	0.028		1	ug/L		10/23/07 10:44 AM	SW846 3510C	8270C-SIM
Anthracene	0.18	0.012	0.040		1	ug/L		10/23/07 10:44 AM	SW846 3510C	8270C-SIM
Benzo(a)anthracene	< 0.016	0.016	0.055		1	ug/L		10/23/07 10:44 AM	SW846 3510C	8270C-SIM
Benzo(a)pyrene	< 0.019	0.019	0.064		1	ug/L		10/23/07 10:44 AM	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	< 0.016	0.016	0.055		1	ug/L	Z	10/23/07 10:44 AM	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	< 0.020	0.020	0.067		1	ug/L		10/23/07 10:44 AM	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	< 0.020	0.020	0.068		1	ug/L	Z	10/23/07 10:44 AM	SW846 3510C	8270C-SIM
Chrysene	< 0.020	0.020	0.066		1	ug/L		10/23/07 10:44 AM	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	< 0.020	0.020	0.066		1	ug/L		10/23/07 10:44 AM	SW846 3510C	8270C-SIM
Fluoranthene	0.23	0.016	0.054		1	ug/L		10/23/07 10:44 AM	SW846 3510C	8270C-SIM
Fluorene	0.060	0.0095	0.032		1	ug/L		10/23/07 10:44 AM	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 0.020	0.020	0.066		1	ug/L		10/23/07 10:44 AM	SW846 3510C	8270C-SIM
Naphthalene	0.022	0.013	0.043		1	ug/L	Q	10/23/07 10:44 AM	SW846 3510C	8270C-SIM
Phenanthrene	0.057	0.012	0.040		1	ug/L		10/23/07 10:44 AM	SW846 3510C	8270C-SIM
Pyrene	0.19	0.015	0.051		1	ug/L		10/23/07 10:44 AM	SW846 3510C	8270C-SIM
Surrogate		LCL	UCL							
Nitrobenzene-d5	60	10	150		1	%		10/23/07	SW846 3510C	8270C-SIM
2-Fluorobiphenyl	54	20	111		1	%		10/23/07	SW846 3510C	8270C-SIM
Terphenyl-d14	106	44	115		1	%		10/23/07	SW846 3510C	8270C-SIM

Client : NATURAL RESOURCE TECHNOLOGY
Project Name : MARINETTE FORMER MGP
Project Number : 1549
Field ID : 071016011

Matrix Type : WATER
Collection Date : 10/16/07
Report Date : 10/25/07
Lab Sample Number : 889889-011

PVOC							Prep Date/Time: 10/22/07 6:18 PM Anl By: SES			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,2,4-Trimethylbenzene	< 0.39	0.39	1.3		1	ug/L		10/22/07 6:18 PM	SW846 5030B	SW846 8021B
1,3,5-Trimethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 6:18 PM	SW846 5030B	SW846 8021B
Benzene	1.3	0.14	0.46		1	ug/L		10/22/07 6:18 PM	SW846 5030B	SW846 8021B
Ethylbenzene	1.9	0.40	1.3		1	ug/L		10/22/07 6:18 PM	SW846 5030B	SW846 8021B
Methyl-tert-butyl-ether	< 0.36	0.36	1.2		1	ug/L		10/22/07 6:18 PM	SW846 5030B	SW846 8021B
Toluene	< 0.36	0.36	1.2		1	ug/L		10/22/07 6:18 PM	SW846 5030B	SW846 8021B
Xylene, m + p	< 0.74	0.74	2.5		1	ug/L		10/22/07 6:18 PM	SW846 5030B	SW846 8021B
Xylene, o	0.56	0.36	1.2		1	ug/L	Q	10/22/07 6:18 PM	SW846 5030B	SW846 8021B
Surrogate		LCL	UCL							
a,a,a-Trifluorotoluene	99	80	124		1	%		10/22/07	SW846 5030B	SW846 8021B

PAH/ PNA							Prep Date/Time: 10/22/07 11:30 AM Anl By: RJN			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1-Methylnaphthalene	0.21	0.021	0.072		2	ug/L		10/24/07 10:12 AM	SW846 3510C	8270C-SIM
2-Methylnaphthalene	< 0.024	0.024	0.079		2	ug/L		10/24/07 10:12 AM	SW846 3510C	8270C-SIM
Acenaphthene	0.50	0.017	0.058		2	ug/L		10/24/07 10:12 AM	SW846 3510C	8270C-SIM
Acenaphthylene	0.034	0.017	0.057		2	ug/L	Q	10/24/07 10:12 AM	SW846 3510C	8270C-SIM
Anthracene	0.088	0.025	0.082		2	ug/L		10/24/07 10:12 AM	SW846 3510C	8270C-SIM
Benzo(a)anthracene	< 0.033	0.033	0.11		2	ug/L		10/24/07 10:12 AM	SW846 3510C	8270C-SIM
Benzo(a)pyrene	< 0.039	0.039	0.13		2	ug/L		10/24/07 10:12 AM	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	< 0.033	0.033	0.11		2	ug/L	Z	10/24/07 10:12 AM	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	< 0.041	0.041	0.14		2	ug/L		10/24/07 10:12 AM	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	< 0.041	0.041	0.14		2	ug/L	Z	10/24/07 10:12 AM	SW846 3510C	8270C-SIM
Chrysene	< 0.040	0.040	0.13		2	ug/L		10/24/07 10:12 AM	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	< 0.040	0.040	0.13		2	ug/L		10/24/07 10:12 AM	SW846 3510C	8270C-SIM
Fluoranthene	0.045	0.033	0.11		2	ug/L	Q	10/24/07 10:12 AM	SW846 3510C	8270C-SIM
Fluorene	0.098	0.019	0.064		2	ug/L		10/24/07 10:12 AM	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 0.040	0.040	0.13		2	ug/L		10/24/07 10:12 AM	SW846 3510C	8270C-SIM
Naphthalene	0.19	0.026	0.087		2	ug/L		10/24/07 10:12 AM	SW846 3510C	8270C-SIM
Phenanthrene	0.044	0.024	0.080		2	ug/L	Q	10/24/07 10:12 AM	SW846 3510C	8270C-SIM
Pyrene	0.047	0.031	0.10		2	ug/L	Q	10/24/07 10:12 AM	SW846 3510C	8270C-SIM
Surrogate		LCL	UCL							
Nitrobenzene-d5	52	10	150		2	%		10/24/07	SW846 3510C	8270C-SIM
2-Fluorobiphenyl	52	20	111		2	%		10/24/07	SW846 3510C	8270C-SIM
Terphenyl-d14	93	44	115		2	%		10/24/07	SW846 3510C	8270C-SIM

Client : NATURAL RESOURCE TECHNOLOGY
Project Name : MARINETTE FORMER MGP
Project Number : 1549
Field ID : 071016012

Matrix Type : WATER
Collection Date : 10/16/07
Report Date : 10/25/07
Lab Sample Number : 889889-012

PVOC							Prep Date/Time: 10/22/07 6:44 PM Anl By: SES			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,2,4-Trimethylbenzene	< 0.39	0.39	1.3		1	ug/L		10/22/07 6:44 PM	SW846 5030B	SW846 8021B
1,3,5-Trimethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 6:44 PM	SW846 5030B	SW846 8021B
Benzene	< 0.14	0.14	0.46		1	ug/L		10/22/07 6:44 PM	SW846 5030B	SW846 8021B
Ethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 6:44 PM	SW846 5030B	SW846 8021B
Methyl-tert-butyl-ether	< 0.36	0.36	1.2		1	ug/L		10/22/07 6:44 PM	SW846 5030B	SW846 8021B
Toluene	< 0.36	0.36	1.2		1	ug/L		10/22/07 6:44 PM	SW846 5030B	SW846 8021B
Xylene, m + p	< 0.74	0.74	2.5		1	ug/L		10/22/07 6:44 PM	SW846 5030B	SW846 8021B
Xylene, o	< 0.36	0.36	1.2		1	ug/L		10/22/07 6:44 PM	SW846 5030B	SW846 8021B
Surrogate		LCL	UCL							
a,a,a-Trifluorotoluene	102	80	124		1	%		10/22/07	SW846 5030B	SW846 8021B

PAH/ PNA							Prep Date/Time: 10/22/07 11:30 AM Anl By: RJN			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1-Methylnaphthalene	< 0.010	0.010	0.034		1	ug/L		10/23/07 11:08 AM	SW846 3510C	8270C-SIM
2-Methylnaphthalene	< 0.011	0.011	0.037		1	ug/L		10/23/07 11:08 AM	SW846 3510C	8270C-SIM
Acenaphthene	< 0.0082	0.0082	0.027		1	ug/L		10/23/07 11:08 AM	SW846 3510C	8270C-SIM
Acenaphthylene	0.0086	0.0081	0.027		1	ug/L	Q	10/23/07 11:08 AM	SW846 3510C	8270C-SIM
Anthracene	< 0.012	0.012	0.039		1	ug/L		10/23/07 11:08 AM	SW846 3510C	8270C-SIM
Benzo(a)anthracene	< 0.016	0.016	0.052		1	ug/L		10/23/07 11:08 AM	SW846 3510C	8270C-SIM
Benzo(a)pyrene	< 0.018	0.018	0.061		1	ug/L		10/23/07 11:08 AM	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	< 0.016	0.016	0.052		1	ug/L	Z	10/23/07 11:08 AM	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	< 0.019	0.019	0.064		1	ug/L		10/23/07 11:08 AM	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	< 0.019	0.019	0.064		1	ug/L	Z	10/23/07 11:08 AM	SW846 3510C	8270C-SIM
Chrysene	< 0.019	0.019	0.063		1	ug/L		10/23/07 11:08 AM	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	< 0.019	0.019	0.063		1	ug/L		10/23/07 11:08 AM	SW846 3510C	8270C-SIM
Fluoranthene	0.018	0.015	0.052		1	ug/L	Q	10/23/07 11:08 AM	SW846 3510C	8270C-SIM
Fluorene	< 0.0091	0.0091	0.030		1	ug/L		10/23/07 11:08 AM	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 0.019	0.019	0.063		1	ug/L		10/23/07 11:08 AM	SW846 3510C	8270C-SIM
Naphthalene	< 0.012	0.012	0.041		1	ug/L		10/23/07 11:08 AM	SW846 3510C	8270C-SIM
Phenanthrene	0.013	0.011	0.038		1	ug/L	Q	10/23/07 11:08 AM	SW846 3510C	8270C-SIM
Pyrene	0.020	0.015	0.048		1	ug/L	Q	10/23/07 11:08 AM	SW846 3510C	8270C-SIM
Surrogate		LCL	UCL							
Nitrobenzene-d5	57	10	150		1	%		10/23/07	SW846 3510C	8270C-SIM
2-Fluorobiphenyl	62	20	111		1	%		10/23/07	SW846 3510C	8270C-SIM
Terphenyl-d14	103	44	115		1	%		10/23/07	SW846 3510C	8270C-SIM

**Pace Analytical
Services, Inc.**

Analytical Report Number: 889889

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

Client : NATURAL RESOURCE TECHNOLOGY

Matrix Type : WATER

Project Name : MARINETTE FORMER MGP

Collection Date : 10/16/07

Project Number : 1549

Report Date : 10/25/07

Field ID : 071016013

Lab Sample Number : 889889-013

PVOC							Prep Date/Time: 10/22/07 7:09 PM		Anl By: SES	
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,2,4-Trimethylbenzene	1.7	0.39	1.3		1	ug/L		10/22/07 7:09 PM	SW846 5030B	SW846 8021B
1,3,5-Trimethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 7:09 PM	SW846 5030B	SW846 8021B
Benzene	64	0.14	0.46		1	ug/L		10/22/07 7:09 PM	SW846 5030B	SW846 8021B
Ethylbenzene	6.0	0.40	1.3		1	ug/L		10/22/07 7:09 PM	SW846 5030B	SW846 8021B
Methyl-tert-butyl-ether	< 0.36	0.36	1.2		1	ug/L		10/22/07 7:09 PM	SW846 5030B	SW846 8021B
Toluene	1.5	0.36	1.2		1	ug/L		10/22/07 7:09 PM	SW846 5030B	SW846 8021B
Xylene, m + p	2.1	0.74	2.5		1	ug/L	Q	10/22/07 7:09 PM	SW846 5030B	SW846 8021B
Xylene, o	4.0	0.36	1.2		1	ug/L		10/22/07 7:09 PM	SW846 5030B	SW846 8021B
Surrogate		LCL	UCL							
a,a,a-Trifluorotoluene	99	80	124		1	%		10/22/07	SW846 5030B	SW846 8021B

PAH/ PNA							Prep Date/Time: 10/22/07 11:30 AM		Anl By: RJN	
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1-Methylnaphthalene	< 0.010	0.010	0.034		1	ug/L		10/23/07 11:32 AM	SW846 3510C	8270C-SIM
2-Methylnaphthalene	< 0.011	0.011	0.038		1	ug/L		10/23/07 11:32 AM	SW846 3510C	8270C-SIM
Acenaphthene	0.044	0.0082	0.027		1	ug/L		10/23/07 11:32 AM	SW846 3510C	8270C-SIM
Acenaphthylene	0.025	0.0082	0.027		1	ug/L	Q	10/23/07 11:32 AM	SW846 3510C	8270C-SIM
Anthracene	0.022	0.012	0.039		1	ug/L	Q	10/23/07 11:32 AM	SW846 3510C	8270C-SIM
Benzo(a)anthracene	< 0.016	0.016	0.052		1	ug/L		10/23/07 11:32 AM	SW846 3510C	8270C-SIM
Benzo(a)pyrene	< 0.019	0.019	0.062		1	ug/L		10/23/07 11:32 AM	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	< 0.016	0.016	0.053		1	ug/L	Z	10/23/07 11:32 AM	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	< 0.019	0.019	0.065		1	ug/L		10/23/07 11:32 AM	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	< 0.020	0.020	0.065		1	ug/L	Z	10/23/07 11:32 AM	SW846 3510C	8270C-SIM
Chrysene	< 0.019	0.019	0.064		1	ug/L		10/23/07 11:32 AM	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	< 0.019	0.019	0.063		1	ug/L		10/23/07 11:32 AM	SW846 3510C	8270C-SIM
Fluoranthene	0.033	0.016	0.052		1	ug/L	Q	10/23/07 11:32 AM	SW846 3510C	8270C-SIM
Fluorene	< 0.0091	0.0091	0.030		1	ug/L		10/23/07 11:32 AM	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 0.019	0.019	0.063		1	ug/L		10/23/07 11:32 AM	SW846 3510C	8270C-SIM
Naphthalene	< 0.012	0.012	0.042		1	ug/L		10/23/07 11:32 AM	SW846 3510C	8270C-SIM
Phenanthrene	< 0.011	0.011	0.038		1	ug/L		10/23/07 11:32 AM	SW846 3510C	8270C-SIM
Pyrene	0.017	0.015	0.049		1	ug/L	Q	10/23/07 11:32 AM	SW846 3510C	8270C-SIM
Surrogate		LCL	UCL							
Nitrobenzene-d5	66	10	150		1	%		10/23/07	SW846 3510C	8270C-SIM
2-Fluorobiphenyl	56	20	111		1	%		10/23/07	SW846 3510C	8270C-SIM
Terphenyl-d14	110	44	115		1	%		10/23/07	SW846 3510C	8270C-SIM

Client : NATURAL RESOURCE TECHNOLOGY

Matrix Type : WATER

Project Name : MARINETTE FORMER MGP

Collection Date : 10/16/07

Project Number : 1549

Report Date : 10/25/07

Field ID : 071016014

Lab Sample Number : 889889-014

PVOC							Prep Date/Time: 10/22/07 7:35 PM Anl By: SES			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,2,4-Trimethylbenzene	1.8	0.39	1.3		1	ug/L		10/22/07 7:35 PM	SW846 5030B	SW846 8021B
1,3,5-Trimethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 7:35 PM	SW846 5030B	SW846 8021B
Benzene	67	0.14	0.46		1	ug/L		10/22/07 7:35 PM	SW846 5030B	SW846 8021B
Ethylbenzene	6.3	0.40	1.3		1	ug/L		10/22/07 7:35 PM	SW846 5030B	SW846 8021B
Methyl-tert-butyl-ether	< 0.36	0.36	1.2		1	ug/L		10/22/07 7:35 PM	SW846 5030B	SW846 8021B
Toluene	2.5	0.36	1.2		1	ug/L		10/22/07 7:35 PM	SW846 5030B	SW846 8021B
Xylene, m + p	2.4	0.74	2.5		1	ug/L	Q	10/22/07 7:35 PM	SW846 5030B	SW846 8021B
Xylene, o	4.4	0.36	1.2		1	ug/L		10/22/07 7:35 PM	SW846 5030B	SW846 8021B
Surrogate		LCL	UCL							
a,a,a-Trifluorotoluene	98	80	124		1	%		10/22/07	SW846 5030B	SW846 8021B

PAH/ PNA							Prep Date/Time: 10/22/07 11:30 AM Anl By: RJN			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1-Methylnaphthalene	0.073	0.010	0.034		1	ug/L		10/23/07 11:55 AM	SW846 3510C	8270C-SIM
2-Methylnaphthalene	< 0.011	0.011	0.038		1	ug/L		10/23/07 11:55 AM	SW846 3510C	8270C-SIM
Acenaphthene	0.39	0.0083	0.028		1	ug/L		10/23/07 11:55 AM	SW846 3510C	8270C-SIM
Acenaphthylene	0.035	0.0083	0.028		1	ug/L		10/23/07 11:55 AM	SW846 3510C	8270C-SIM
Anthracene	0.025	0.012	0.039		1	ug/L	Q	10/23/07 11:55 AM	SW846 3510C	8270C-SIM
Benzo(a)anthracene	< 0.016	0.016	0.053		1	ug/L		10/23/07 11:55 AM	SW846 3510C	8270C-SIM
Benzo(a)pyrene	< 0.019	0.019	0.062		1	ug/L		10/23/07 11:55 AM	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	< 0.016	0.016	0.053		1	ug/L	Z	10/23/07 11:55 AM	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	< 0.020	0.020	0.066		1	ug/L		10/23/07 11:55 AM	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	< 0.020	0.020	0.066		1	ug/L	Z	10/23/07 11:55 AM	SW846 3510C	8270C-SIM
Chrysene	< 0.019	0.019	0.064		1	ug/L		10/23/07 11:55 AM	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	< 0.019	0.019	0.064		1	ug/L		10/23/07 11:55 AM	SW846 3510C	8270C-SIM
Fluoranthene	0.065	0.016	0.053		1	ug/L		10/23/07 11:55 AM	SW846 3510C	8270C-SIM
Fluorene	0.066	0.0092	0.031		1	ug/L		10/23/07 11:55 AM	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 0.019	0.019	0.064		1	ug/L		10/23/07 11:55 AM	SW846 3510C	8270C-SIM
Naphthalene	< 0.013	0.013	0.042		1	ug/L		10/23/07 11:55 AM	SW846 3510C	8270C-SIM
Phenanthrene	< 0.012	0.012	0.039		1	ug/L		10/23/07 11:55 AM	SW846 3510C	8270C-SIM
Pyrene	0.037	0.015	0.049		1	ug/L	Q	10/23/07 11:55 AM	SW846 3510C	8270C-SIM
Surrogate		LCL	UCL							
Nitrobenzene-d5	40	10	150		1	%		10/23/07	SW846 3510C	8270C-SIM
2-Fluorobiphenyl	54	20	111		1	%		10/23/07	SW846 3510C	8270C-SIM
Terphenyl-d14	109	44	115		1	%		10/23/07	SW846 3510C	8270C-SIM

**Pace Analytical
Services, Inc.**

Analytical Report Number: 889889

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

Client : NATURAL RESOURCE TECHNOLOGY

Matrix Type : WATER

Project Name : MARINETTE FORMER MGP

Collection Date : 10/16/07

Project Number : 1549

Report Date : 10/25/07

Field ID : 071016015

Lab Sample Number : 889889-015

PVOC

Prep Date/Time: 10/22/07 8:01 PM Anl By: SES

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,2,4-Trimethylbenzene	< 0.39	0.39	1.3		1	ug/L		10/22/07 8:01 PM	SW846 5030B	SW846 8021B
1,3,5-Trimethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 8:01 PM	SW846 5030B	SW846 8021B
Benzene	2.3	0.14	0.46		1	ug/L		10/22/07 8:01 PM	SW846 5030B	SW846 8021B
Ethylbenzene	1.4	0.40	1.3		1	ug/L		10/22/07 8:01 PM	SW846 5030B	SW846 8021B
Methyl-tert-butyl-ether	< 0.36	0.36	1.2		1	ug/L		10/22/07 8:01 PM	SW846 5030B	SW846 8021B
Toluene	< 0.36	0.36	1.2		1	ug/L		10/22/07 8:01 PM	SW846 5030B	SW846 8021B
Xylene, m + p	< 0.74	0.74	2.5		1	ug/L		10/22/07 8:01 PM	SW846 5030B	SW846 8021B
Xylene, o	0.46	0.36	1.2		1	ug/L	Q	10/22/07 8:01 PM	SW846 5030B	SW846 8021B
Surrogate		LCL	UCL							
a,a,a-Trifluorotoluene	100	80	124		1	%		10/22/07	SW846 5030B	SW846 8021B

PAH/ PNA

Prep Date/Time: 10/22/07 11:30 AM Anl By: RJN

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1-Methylnaphthalene	0.087	0.010	0.034		1	ug/L		10/23/07 12:19 PM	SW846 3510C	8270C-SIM
2-Methylnaphthalene	0.062	0.011	0.037		1	ug/L		10/23/07 12:19 PM	SW846 3510C	8270C-SIM
Acenaphthene	0.12	0.0082	0.027		1	ug/L		10/23/07 12:19 PM	SW846 3510C	8270C-SIM
Acenaphthylene	0.66	0.016	0.054		2	ug/L	D	10/24/07 2:39 AM	SW846 3510C	8270C-SIM
Anthracene	0.22	0.012	0.039		1	ug/L		10/23/07 12:19 PM	SW846 3510C	8270C-SIM
Benzo(a)anthracene	0.34	0.016	0.052		1	ug/L		10/23/07 12:19 PM	SW846 3510C	8270C-SIM
Benzo(a)pyrene	0.36	0.018	0.061		1	ug/L		10/23/07 12:19 PM	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	0.38	0.016	0.052		1	ug/L	Z	10/23/07 12:19 PM	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	0.45	0.039	0.13		2	ug/L	D	10/24/07 2:39 AM	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	0.40	0.019	0.064		1	ug/L	Z	10/23/07 12:19 PM	SW846 3510C	8270C-SIM
Chrysene	0.41	0.019	0.063		1	ug/L		10/23/07 12:19 PM	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	0.11	0.019	0.063		1	ug/L		10/23/07 12:19 PM	SW846 3510C	8270C-SIM
Fluoranthene	0.34	0.015	0.052		1	ug/L		10/23/07 12:19 PM	SW846 3510C	8270C-SIM
Fluorene	0.032	0.0091	0.030		1	ug/L		10/23/07 12:19 PM	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	0.36	0.019	0.063		1	ug/L		10/23/07 12:19 PM	SW846 3510C	8270C-SIM
Naphthalene	0.079	0.012	0.041		1	ug/L		10/23/07 12:19 PM	SW846 3510C	8270C-SIM
Phenanthrene	0.14	0.011	0.038		1	ug/L		10/23/07 12:19 PM	SW846 3510C	8270C-SIM
Pyrene	0.48	0.029	0.097		2	ug/L	D	10/24/07 2:39 AM	SW846 3510C	8270C-SIM
Surrogate		LCL	UCL							
Nitrobenzene-d5	61	10	150		1	%		10/23/07	SW846 3510C	8270C-SIM
2-Fluorobiphenyl	59	20	111		1	%		10/23/07	SW846 3510C	8270C-SIM
Terphenyl-d14	112	44	115		1	%		10/23/07	SW846 3510C	8270C-SIM

Client : NATURAL RESOURCE TECHNOLOGY
Project Name : MARINETTE FORMER MGP
Project Number : 1549
Field ID : 071016016

Matrix Type : WATER
Collection Date : 10/16/07
Report Date : 10/25/07
Lab Sample Number : 889889-016

PVOC							Prep Date/Time: 10/22/07 8:26 PM Anl By: SES			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,2,4-Trimethylbenzene	< 0.39	0.39	1.3		1	ug/L		10/22/07 8:26 PM	SW846 5030B	SW846 8021B
1,3,5-Trimethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 8:26 PM	SW846 5030B	SW846 8021B
Benzene	1.1	0.14	0.46		1	ug/L		10/22/07 8:26 PM	SW846 5030B	SW846 8021B
Ethylbenzene	1.1	0.40	1.3		1	ug/L	Q	10/22/07 8:26 PM	SW846 5030B	SW846 8021B
Methyl-tert-butyl-ether	< 0.36	0.36	1.2		1	ug/L		10/22/07 8:26 PM	SW846 5030B	SW846 8021B
Toluene	< 0.36	0.36	1.2		1	ug/L		10/22/07 8:26 PM	SW846 5030B	SW846 8021B
Xylene, m + p	< 0.74	0.74	2.5		1	ug/L		10/22/07 8:26 PM	SW846 5030B	SW846 8021B
Xylene, o	0.38	0.36	1.2		1	ug/L	Q	10/22/07 8:26 PM	SW846 5030B	SW846 8021B
Surrogate		LCL	UCL							
a,a,a-Trifluorotoluene	102	80	124		1	%		10/22/07	SW846 5030B	SW846 8021B

PAH/ PNA							Prep Date/Time: 10/22/07 11:30 AM Anl By: RJN			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1-Methylnaphthalene	0.11	0.010	0.034		1	ug/L		10/23/07 12:43 PM	SW846 3510C	8270C-SIM
2-Methylnaphthalene	0.012	0.011	0.037		1	ug/L	Q	10/23/07 12:43 PM	SW846 3510C	8270C-SIM
Acenaphthene	0.094	0.0082	0.027		1	ug/L		10/23/07 12:43 PM	SW846 3510C	8270C-SIM
Acenaphthylene	0.010	0.0081	0.027		1	ug/L	Q	10/23/07 12:43 PM	SW846 3510C	8270C-SIM
Anthracene	< 0.012	0.012	0.039		1	ug/L		10/23/07 12:43 PM	SW846 3510C	8270C-SIM
Benzo(a)anthracene	< 0.016	0.016	0.052		1	ug/L		10/23/07 12:43 PM	SW846 3510C	8270C-SIM
Benzo(a)pyrene	< 0.018	0.018	0.061		1	ug/L		10/23/07 12:43 PM	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	< 0.016	0.016	0.052		1	ug/L	Z	10/23/07 12:43 PM	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	< 0.019	0.019	0.064		1	ug/L		10/23/07 12:43 PM	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	< 0.019	0.019	0.064		1	ug/L	Z	10/23/07 12:43 PM	SW846 3510C	8270C-SIM
Chrysene	< 0.019	0.019	0.063		1	ug/L		10/23/07 12:43 PM	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	< 0.019	0.019	0.063		1	ug/L		10/23/07 12:43 PM	SW846 3510C	8270C-SIM
Fluoranthene	< 0.015	0.015	0.052		1	ug/L		10/23/07 12:43 PM	SW846 3510C	8270C-SIM
Fluorene	0.025	0.0091	0.030		1	ug/L	Q	10/23/07 12:43 PM	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 0.019	0.019	0.063		1	ug/L		10/23/07 12:43 PM	SW846 3510C	8270C-SIM
Naphthalene	0.25	0.012	0.041		1	ug/L		10/23/07 12:43 PM	SW846 3510C	8270C-SIM
Phenanthrene	0.023	0.011	0.038		1	ug/L	Q	10/23/07 12:43 PM	SW846 3510C	8270C-SIM
Pyrene	0.017	0.015	0.048		1	ug/L	Q	10/23/07 12:43 PM	SW846 3510C	8270C-SIM
Surrogate		LCL	UCL							
Nitrobenzene-d5	59	10	150		1	%		10/23/07	SW846 3510C	8270C-SIM
2-Fluorobiphenyl	54	20	111		1	%		10/23/07	SW846 3510C	8270C-SIM
Terphenyl-d14	98	44	115		1	%		10/23/07	SW846 3510C	8270C-SIM

Client : NATURAL RESOURCE TECHNOLOGY
Project Name : MARINETTE FORMER MGP
Project Number : 1549
Field ID : 071016017

Matrix Type : WATER
Collection Date : 10/16/07
Report Date : 10/25/07
Lab Sample Number : 889889-017

PVOC							Prep Date/Time: 10/22/07 8:52 PM Anl By: SES			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,2,4-Trimethylbenzene	< 0.39	0.39	1.3		1	ug/L		10/22/07 8:52 PM	SW846 5030B	SW846 8021B
1,3,5-Trimethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 8:52 PM	SW846 5030B	SW846 8021B
Benzene	25	0.14	0.46		1	ug/L		10/22/07 8:52 PM	SW846 5030B	SW846 8021B
Ethylbenzene	1.1	0.40	1.3		1	ug/L	Q	10/22/07 8:52 PM	SW846 5030B	SW846 8021B
Methyl-tert-butyl-ether	< 0.36	0.36	1.2		1	ug/L		10/22/07 8:52 PM	SW846 5030B	SW846 8021B
Toluene	< 0.36	0.36	1.2		1	ug/L		10/22/07 8:52 PM	SW846 5030B	SW846 8021B
Xylene, m + p	< 0.74	0.74	2.5		1	ug/L		10/22/07 8:52 PM	SW846 5030B	SW846 8021B
Xylene, o	0.37	0.36	1.2		1	ug/L	Q	10/22/07 8:52 PM	SW846 5030B	SW846 8021B
Surrogate		LCL	UCL							
a,a,a-Trifluorotoluene	99	80	124		1	%		10/22/07	SW846 5030B	SW846 8021B

PAH/ PNA							Prep Date/Time: 10/22/07 11:30 AM Anl By: RJN			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1-Methylnaphthalene	0.29	0.010	0.034		1	ug/L		10/23/07 1:07 PM	SW846 3510C	8270C-SIM
2-Methylnaphthalene	0.017	0.011	0.038		1	ug/L	Q	10/23/07 1:07 PM	SW846 3510C	8270C-SIM
Acenaphthene	1.8	0.041	0.14		5	ug/L	D	10/24/07 3:03 AM	SW846 3510C	8270C-SIM
Acenaphthylene	0.39	0.0082	0.027		1	ug/L		10/23/07 1:07 PM	SW846 3510C	8270C-SIM
Anthracene	0.25	0.012	0.039		1	ug/L		10/23/07 1:07 PM	SW846 3510C	8270C-SIM
Benzo(a)anthracene	0.15	0.016	0.052		1	ug/L		10/23/07 1:07 PM	SW846 3510C	8270C-SIM
Benzo(a)pyrene	0.17	0.019	0.062		1	ug/L		10/23/07 1:07 PM	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	0.12	0.016	0.053		1	ug/L	Z	10/23/07 1:07 PM	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	0.11	0.019	0.065		1	ug/L		10/23/07 1:07 PM	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	0.11	0.020	0.065		1	ug/L	Z	10/23/07 1:07 PM	SW846 3510C	8270C-SIM
Chrysene	0.14	0.019	0.064		1	ug/L		10/23/07 1:07 PM	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	0.026	0.019	0.063		1	ug/L	Q	10/23/07 1:07 PM	SW846 3510C	8270C-SIM
Fluoranthene	1.3	0.078	0.26		5	ug/L	D	10/24/07 3:03 AM	SW846 3510C	8270C-SIM
Fluorene	0.34	0.0091	0.030		1	ug/L		10/23/07 1:07 PM	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	0.091	0.019	0.063		1	ug/L		10/23/07 1:07 PM	SW846 3510C	8270C-SIM
Naphthalene	0.036	0.012	0.042		1	ug/L	Q	10/23/07 1:07 PM	SW846 3510C	8270C-SIM
Phenanthrene	0.069	0.011	0.038		1	ug/L		10/23/07 1:07 PM	SW846 3510C	8270C-SIM
Pyrene	0.47	0.015	0.049		1	ug/L		10/23/07 1:07 PM	SW846 3510C	8270C-SIM
Surrogate		LCL	UCL							
Nitrobenzene-d5	58	10	150		1	%		10/23/07	SW846 3510C	8270C-SIM
2-Fluorobiphenyl	58	20	111		1	%		10/23/07	SW846 3510C	8270C-SIM
Terphenyl-d14	107	44	115		1	%		10/23/07	SW846 3510C	8270C-SIM

Client : NATURAL RESOURCE TECHNOLOGY
Project Name : MARINETTE FORMER MGP
Project Number : 1549
Field ID : 071016018

Matrix Type : WATER
Collection Date : 10/16/07
Report Date : 10/25/07
Lab Sample Number : 889889-018

PVOC							Prep Date/Time: 10/22/07 9:17 PM Anl By: SES			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,2,4-Trimethylbenzene	< 0.39	0.39	1.3		1	ug/L		10/22/07 9:17 PM	SW846 5030B	SW846 8021B
1,3,5-Trimethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 9:17 PM	SW846 5030B	SW846 8021B
Benzene	1.3	0.14	0.46		1	ug/L		10/22/07 9:17 PM	SW846 5030B	SW846 8021B
Ethylbenzene	0.86	0.40	1.3		1	ug/L	Q	10/22/07 9:17 PM	SW846 5030B	SW846 8021B
Methyl-tert-butyl-ether	< 0.36	0.36	1.2		1	ug/L		10/22/07 9:17 PM	SW846 5030B	SW846 8021B
Toluene	< 0.36	0.36	1.2		1	ug/L		10/22/07 9:17 PM	SW846 5030B	SW846 8021B
Xylene, m + p	< 0.74	0.74	2.5		1	ug/L		10/22/07 9:17 PM	SW846 5030B	SW846 8021B
Xylene, o	< 0.36	0.36	1.2		1	ug/L		10/22/07 9:17 PM	SW846 5030B	SW846 8021B
Surrogate		LCL	UCL							
a,a,a-Trifluorotoluene	100	80	124		1	%		10/22/07	SW846 5030B	SW846 8021B

PAH/ PNA							Prep Date/Time: 10/22/07 11:30 AM Anl By: RJN			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1-Methylnaphthalene	0.13	0.010	0.034		1	ug/L		10/23/07 1:31 PM	SW846 3510C	8270C-SIM
2-Methylnaphthalene	0.041	0.011	0.037		1	ug/L		10/23/07 1:31 PM	SW846 3510C	8270C-SIM
Acenaphthene	0.099	0.0082	0.027		1	ug/L		10/23/07 1:31 PM	SW846 3510C	8270C-SIM
Acenaphthylene	0.025	0.0081	0.027		1	ug/L	Q	10/23/07 1:31 PM	SW846 3510C	8270C-SIM
Anthracene	0.038	0.012	0.039		1	ug/L	Q	10/23/07 1:31 PM	SW846 3510C	8270C-SIM
Benzo(a)anthracene	< 0.016	0.016	0.052		1	ug/L		10/23/07 1:31 PM	SW846 3510C	8270C-SIM
Benzo(a)pyrene	0.020	0.018	0.061		1	ug/L	Q	10/23/07 1:31 PM	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	0.027	0.016	0.052		1	ug/L	QZ	10/23/07 1:31 PM	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	0.024	0.019	0.064		1	ug/L	Q	10/23/07 1:31 PM	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	0.024	0.019	0.064		1	ug/L	QZ	10/23/07 1:31 PM	SW846 3510C	8270C-SIM
Chrysene	0.024	0.019	0.063		1	ug/L	Q	10/23/07 1:31 PM	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	< 0.019	0.019	0.063		1	ug/L		10/23/07 1:31 PM	SW846 3510C	8270C-SIM
Fluoranthene	0.047	0.015	0.052		1	ug/L	Q	10/23/07 1:31 PM	SW846 3510C	8270C-SIM
Fluorene	0.027	0.0091	0.030		1	ug/L	Q	10/23/07 1:31 PM	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	0.019	0.019	0.063		1	ug/L	Q	10/23/07 1:31 PM	SW846 3510C	8270C-SIM
Naphthalene	1.7	0.062	0.21		5	ug/L	D	10/24/07 3:27 AM	SW846 3510C	8270C-SIM
Phenanthrene	0.033	0.011	0.038		1	ug/L	Q	10/23/07 1:31 PM	SW846 3510C	8270C-SIM
Pyrene	0.079	0.015	0.048		1	ug/L		10/23/07 1:31 PM	SW846 3510C	8270C-SIM
Surrogate		LCL	UCL							
Nitrobenzene-d5	53	10	150		1	%		10/23/07	SW846 3510C	8270C-SIM
2-Fluorobiphenyl	50	20	111		1	%		10/23/07	SW846 3510C	8270C-SIM
Terphenyl-d14	102	44	115		1	%		10/23/07	SW846 3510C	8270C-SIM

**Pace Analytical
Services, Inc.**

Analytical Report Number: 889889

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

Client : NATURAL RESOURCE TECHNOLOGY
Project Name : MARINETTE FORMER MGP
Project Number : 1549
Field ID : TRIP BLANK

Matrix Type : WATER
Collection Date : 10/16/07
Report Date : 10/25/07
Lab Sample Number : 889889-019

PVOC							Prep Date/Time: 10/22/07 9:43 PM Anl By: SES			
Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,2,4-Trimethylbenzene	< 0.39	0.39	1.3		1	ug/L		10/22/07 9:43 PM	SW846 5030B	SW846 8021B
1,3,5-Trimethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 9:43 PM	SW846 5030B	SW846 8021B
Benzene	< 0.14	0.14	0.46		1	ug/L		10/22/07 9:43 PM	SW846 5030B	SW846 8021B
Ethylbenzene	< 0.40	0.40	1.3		1	ug/L		10/22/07 9:43 PM	SW846 5030B	SW846 8021B
Methyl-tert-butyl-ether	< 0.36	0.36	1.2		1	ug/L		10/22/07 9:43 PM	SW846 5030B	SW846 8021B
Toluene	< 0.36	0.36	1.2		1	ug/L		10/22/07 9:43 PM	SW846 5030B	SW846 8021B
Xylene, m + p	< 0.74	0.74	2.5		1	ug/L		10/22/07 9:43 PM	SW846 5030B	SW846 8021B
Xylene, o	< 0.36	0.36	1.2		1	ug/L		10/22/07 9:43 PM	SW846 5030B	SW846 8021B
Surrogate		LCL	UCL							
a,a,a-Trifluorotoluene	101	80	124		1	%		10/22/07	SW846 5030B	SW846 8021B

**Pace Analytical
Services, Inc.**

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Lab Number	TestGroupID	Field ID	Comment
889889-006	PAH+-W	071016006	F - Surrogate was above control criteria. There was no sample volume available for reextraction and reanalysis.

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.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
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	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
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.
Z	Organics	This compound was separated in the CCV standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	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.
8	Inorganic	Sample was received unpreserved. Sample was preserved either at the time of receipt or at the time of sample preparation.
9	Inorganic	Sample was received with insufficient preservation. Acid was added either at the time of receipt or at the time of sample preparation.

889889-019			
889889-018	B	B	G
889889-017	B	B	G
889889-016	B	B	G
889889-015	B	B	G
889889-014	B	B	G
889889-013	B	B	G
889889-012	B	B	G
889889-011	B	B	G
889889-010	B	B	G
889889-009	B	B	G
889889-008	B	B	G
889889-007	B	B	G
889889-006	B	B	G
889889-005	B	B	G
889889-004	B	B	G
889889-003	B	B	G
889889-002	B	B	G
889889-001	B	B	G

Test Group Name

PAH/PNA

PVOC

Code	WI Certification
B	405132750 / DATCP: 105-444
G	405132750

Batch: 889889
Lab Section: BNASIM
QC Batch Number: 25873
Prep Method: SW846 3510C
Analytical Method: 8270C-SIM

QC Type	Client Sample ID	Lab Sample ID
MB	SVG2282-043MB	SVG2282-043MB
LCS	SVG2282-043MBLCS	SVG2282-043MBLCS
MS	071016009MS	889889-009MS
MSD	071016009MSD	889889-009MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
071016001	889889-001	MB	071016002	889889-002	MB
071016003	889889-003	MB	071016004	889889-004	MB
071016005	889889-005	MB	071016006	889889-006	MB
071016007	889889-007	MB	071016008	889889-008	MB
071016009	889889-009	MB	071016010	889889-010	MB
071016011	889889-011	MB	071016012	889889-012	MB
071016013	889889-013	MB	071016014	889889-014	MB
071016015	889889-015	MB	071016016	889889-016	MB
071016017	889889-017	MB	071016018	889889-018	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery			LCS Spiked Conc	LCS Recovery			LCS/LCSD RPD % C	LCS/LCSD Control Limits			Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery			MSD Spiked Conc	MSD Recovery			MS/MSD RPD % C	MS/MSD Control Limits		
			Conc	%	C		Conc	%	C		LCL	UCL	RPD				Conc	%	C		Conc	%	C		LCL	UCL	RPD
1-Methylnaphthalene	< 0.011	0.20	0.18	92		--	--	--	--	41	136	28	889889-009	0.21	0.19	0.67	244	N	0.19	0.49	149	N	30.9	52	113	34	
2-Methylnaphthalene	< 0.012	0.20	0.17	87		--	--	--	--	40	138	26	889889-009	< 0.013	0.19	0.21	112		0.19	0.1	54		70.3	51	123	33	
Acenaphthene	< 0.0086	0.20	0.18	90		--	--	--	--	40	126	23	889889-009	0.46	0.19	0.57	59		0.19	0.66	108		14.9	56	113	24	
Acenaphthylene	< 0.0086	0.20	0.18	91		--	--	--	--	39	127	24	889889-009	0.022	0.19	0.14	61		0.19	0.13	56		6.3	56	115	24	
Anthracene	< 0.012	0.20	0.2	98		--	--	--	--	39	139	27	889889-009	0.024	0.19	0.19	86		0.19	0.2	93		6.5	55	126	20	
Benzo(a)anthracene	< 0.017	0.20	0.19	97		--	--	--	--	48	146	20	889889-009	< 0.018	0.19	0.19	102		0.19	0.18	96		5.9	45	150	20	
Benzo(a)pyrene	< 0.019	0.20	0.2	102		--	--	--	--	61	136	20	889889-009	< 0.021	0.19	0.19	100		0.19	0.18	95		5.9	72	129	20	
Benzo(b)fluoranthene	< 0.017	0.20	0.19	95		--	--	--	--	51	141	20	889889-009	< 0.018	0.19	0.18	93		0.19	0.17	90		2.9	72	134	20	
Benzo(ghi)perylene	< 0.02	0.20	0.22	108		--	--	--	--	57	136	20	889889-009	< 0.022	0.19	0.19	101		0.19	0.18	93		8.2	72	128	20	
Benzo(k)fluoranthene	< 0.02	0.20	0.21	104		--	--	--	--	61	149	20	889889-009	< 0.022	0.19	0.2	106		0.19	0.18	97		8.9	75	129	20	
Chrysene	< 0.02	0.20	0.21	105		--	--	--	--	61	150	20	889889-009	< 0.022	0.19	0.2	108		0.19	0.19	102		5.7	71	136	20	
Dibenz(a,h)anthracene	< 0.02	0.20	0.21	105		--	--	--	--	46	150	20	889889-009	< 0.021	0.19	0.18	97		0.19	0.16	87		11.1	43	150	20	
Fluoranthene	< 0.016	0.20	0.19	93		--	--	--	--	48	145	20	889889-009	0.058	0.19	0.22	87		0.19	0.23	91		3.0	58	137	20	
Fluorene	< 0.0096	0.20	0.18	91		--	--	--	--	40	131	25	889889-009	0.061	0.19	0.23	91		0.19	0.26	107		12.1	56	121	21	
Indeno(1,2,3-cd)pyrene	< 0.02	0.20	0.22	108		--	--	--	--	54	143	20	889889-009	< 0.021	0.19	0.19	101		0.19	0.17	91		10.1	71	140	20	
Naphthalene	< 0.013	0.20	0.18	90		--	--	--	--	45	131	30	889889-009	< 0.014	0.19	1.6	861	N	0.19	0.094	50	N	178.0	53	107	31	
Phenanthrene	< 0.012	0.20	0.19	96		--	--	--	--	40	131	25	889889-009	0.047	0.19	0.24	102		0.19	0.24	103		0.3	58	138	20	
Pyrene	< 0.015	0.20	0.19	97		--	--	--	--	55	135	20	889889-009	0.059	0.19	0.23	91		0.19	0.23	93		1.5	71	136	20	

Conc = ug/L unless otherwise noted

C = QC Code, see Qualifer Sheet

Parent Result is reported down to MDL in order to allow Validation of this worksheet

The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/25/2007

QC Batch Number: 25873

QC Summary

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery			LCS Spiked Conc	LCS Recovery			LCS/LCS RPD % C	LCS/LCS Control Limits			Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery			MSD Spiked Conc	MSD Recovery			MS/MSD RPD % C	MS/MSD Control Limits			
			Conc	%	C		Conc	%	C		LCL	UCL	RPD				Conc	%	C		Conc	%	C		LCL	UCL	RPD	
											%	%	%															
Nitrobenzene-d5	77%	--	--	94	--	--	--	--	--	10	150	--	889889-009	39%	--	--	32	--	--	43	--	--	43	--	--	10	150	--
2-Fluorobiphenyl	76%	--	--	93	--	--	--	--	--	20	111	--	889889-009	69%	--	--	62	--	--	49	--	--	49	--	--	20	111	--
Terphenyl-d14	96%	--	--	101	--	--	--	--	--	44	115	--	889889-009	115%	--	--	104	--	--	93	--	--	93	--	--	44	115	--

Conc = ug/L unless otherwise noted

C = QC Code, see Qualifer Sheet

Parent Result is reported down to MDL in order to allow Validation of this worksheet

The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/25/2007

QC Batch Number: 25873

Batch: 889889
Lab Section: GAS
QC Batch Number: 25865
Prep Method: SW846 5030B
Analytical Method: SW846 8021B

QC Type	Client Sample ID	Lab Sample ID
MB	GG2322-21MB	GG2322-21MB
LCS	GG2322-21MBLCS	GG2322-21MBLCS
LCSD	GG2322-21MBLCSD	GG2322-21MBLCSD
MS	889855-001MS	889855-001MS
MSD	889855-001MSD	889855-001MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
071016001	889889-001	MB	071016002	889889-002	MB
071016003	889889-003	MB	071016004	889889-004	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery			LCSD Spiked Conc	LCSD Recovery			LCS/LCSD RPD			LCS/LCSD Control Limits	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery			MSD Spiked Conc	MSD Recovery			MS/MSD RPD	MS/MSD Control Limits		
			Conc	%	C		Conc	%	C	%	%	%					Conc	%	C		Conc	%	C		%	%	%
1,2,4-Trimethylbenzene	< 0.39	20.000	19.7	99		20.000	20.1	100	1.8	82	115	20	889855-001	0.0000	2500.0	6436.7	257	N	2500.0	3870.1	155	N	49.8	*	72	123	20
1,3,5-Trimethylbenzene	< 0.4	20.000	20	100		20.000	20.4	102	1.9	83	115	20	889855-001	0.0000	2500.0	5640.1	226	N	2500.0	3037.5	121		60.0	*	71	124	20
Benzene	< 0.14	20.0000	20.5	103		20.0000	20.6	103	0.2	85	115	20	889855-001	18438.6	2500.00	23402.6	199	N	2500.00	21015.4	103		10.7		80	120	20
Ethylbenzene	< 0.4	20.000	20.5	103		20.000	20.7	103	0.8	85	115	20	889855-001	1129.0	2500.0	6584.2	218	N	2500.0	3905.2	111		51.1	*	80	120	20
Methyl-tert-butyl-ether	< 0.36	20.000	18.4	92		20.000	18.8	94	2.0	82	116	20	889855-001	< 45	2500.0	4180.4	167	N	2500.0	2147.6	86		64.2	*	79	120	20
Toluene	< 0.36	20.000	20.6	103		20.000	20.8	104	0.8	85	115	20	889855-001	2415.5	2500.0	7753.2	214	N	2500.0	5133.9	109		40.7	*	80	120	20
Xylene, m + p	< 0.74	40.0000	40.7	102		40.0000	41.3	103	1.5	85	115	20	889855-001	3197.79	5000.00	13951.1	215	N	5000.00	8670.2	109		46.7	*	78	124	20
Xylene, o	< 0.36	20.000	20.3	102		20.000	20.5	103	1.1	85	115	20	889855-001	800.18	2500.0	6065.4	211	N	2500.0	3472.9	107		54.4	*	80	120	20
a,a,a-Trifluorotoluene	102%	—	—	101		—	—	102	—	80	124	—	889855-001	101%	—	—	101		—	—	101		—		80	124	—

Conc = ug/L unless otherwise noted

C = QC Code, see Qualifier Sheet

Parent Result is reported down to MDL in order to allow Validation of this worksheet

The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/25/2007

QC Batch Number: 25865

Batch: 889889
Lab Section: GAS
QC Batch Number: 25866
Prep Method: SW846 5030B
Analytical Method: SW846 8021B

QC Type	Client Sample ID	Lab Sample ID
MB	GG2322-22MB	GG2322-22MB
LCS	GG2322-22MBLCS	GG2322-22MBLCS
LCSD	GG2322-22MBLCSD	GG2322-22MBLCSD
MS	071016009MS	889889-009MS
MSD	071016009MSD	889889-009MSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
071018005	889889-005	MB	071016006	889889-006	MB
071016007	889889-007	MB	071016008	889889-008	MB
071016009	889889-009	MB	071016010	889889-010	MB
071016011	889889-011	MB	071016012	889889-012	MB
071016013	889889-013	MB	071016014	889889-014	MB
071016015	889889-015	MB	071016016	889889-016	MB
071016017	889889-017	MB	071016018	889889-018	MB
TRIP BLANK	889889-019	MB			

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery			LCSD Spiked Conc	LCSD Recovery			LCS/LCSD RPD % C	LCS/LCSD Control Limits			Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery			MSD Spiked Conc	MSD Recovery			MS/MSD RPD % C	MS/MSD Control Limits		
			Conc	%	C		Conc	%	C		LCL	UCL	RPD				Conc	%	C		Conc	%	C		LCL	UCL	RPD
1,2,4-Trimethylbenzene	< 0.39	20.0	20.5	102		20.0	20.7	103	1.0	82	115	20	889889-009	0.611	20.0	18.8	91		20.0	18.5	90		1.3	72	123	20	
1,3,5-Trimethylbenzene	< 0.4	20.0	20.7	104		20.0	20.8	104	0.5	83	115	20	889889-009	< 0.4	20.0	16.4	82		20.0	15.5	78		5.2	71	124	20	
Benzene	< 0.14	20.0	20.2	101		20.0	20.3	101	0.4	85	115	20	889889-009	3.96	20.0	22.8	94		20.0	23.2	96		1.7	80	120	20	
Ethylbenzene	< 0.4	20.0	20.7	104		20.0	20.8	104	0.3	85	115	20	889889-009	4.97	20.0	24.5	97		20.0	24.8	99		1.5	80	120	20	
Methyl-tert-butyl-ether	< 0.36	20.0	20.7	103		20.0	20.7	103	0.1	82	116	20	889889-009	< 0.36	20.0	19.6	98		20.0	20.3	101		3.6	79	120	20	
Toluene	< 0.36	20.0	20.6	103		20.0	20.6	103	0.3	85	115	20	889889-009	< 0.36	20.0	20.2	101		20.0	20.8	104		2.8	80	120	20	
Xylene, m + p	< 0.74	40.0	41	102		40.0	41	102	0.0	85	115	20	889889-009	< 0.74	40.0	37.9	95		40.0	37.9	95		0.1	78	124	20	
Xylene, o	< 0.36	20.0	20.2	101		20.0	20.3	101	0.1	85	115	20	889889-009	1.10	20.0	19.6	93		20.0	19.7	93		0.1	80	120	20	
a,a,a-Trifluorotoluene	101%	--	--	101		--	--	100	--	80	124	--	889889-009	102%	--	--	98		--	--	100		--	80	124	--	

Conc = ug/L unless otherwise noted

C = QC Code, see Qualifer Sheet

Parent Result is reported down to MDL in order to allow Validation of this worksheet

The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 10/25/2007

QC Batch Number: 25866



Sample Condition Upon Receipt

Client Name: YRPT

Project # 889889

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

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

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used N/A Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature ROI Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 10/19/07 AG

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12. Trip blanks excluded NOT on COC, added by lab 10/19/07 AG
-Includes date/time/ID/Analysis Matrix:		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: BS

Date: 10-19-07

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

APPENDIX B

**1994 THROUGH 2005 GROUNDWATER
ANALYTICAL DATA SUMMARY TABLES**

Table 2 - Groundwater Analytical Results - PVOCs and Cyanide
 September 2005 Groundwater Quality Update - 1603 Ely Street, Marinette, Wisconsin
 Wisconsin Public Service Corporation - Former Marinette Manufactured Gas Plant Site
 EPA ID# WIN000509952
 BRRTS #: 02-38-000047

Sample Location	Sample Date	Petroleum Volatile Organic Compounds (µg/L)					Cyanide (µg/L)		Phenolics (µg/L)	
		Benzene	Toluene	Ethylbenzene	Xylenes, Total	Total BTEX	Trimethylbenzene (1,2,4- and 1,3,5-)	Weak Acid Dissociable		Available (OIA-1677, preserved with PbCO ₃)
Wisconsin Groundwater Quality Standards (NR 140, February 2004)										
Preventive Action Limit (PAL)		<u>0.5</u>	<u>200</u>	<u>140</u>	<u>1,000</u>	ns	<u>96</u>	ns	<u>40</u>	<u>1,200</u>
Enforcement Standard (ES)		<u>5</u>	<u>1,000</u>	<u>700</u>	<u>10,000</u>	ns	<u>480</u>	ns	<u>200</u>	<u>6,000</u>
MW01	04/13/94	<0.7	1.1	<0.9	2.6	3.7	-	<3.5	-	8
	05/10/94	<0.7	<1.0	<0.9	<1.5	nd	-	<3.5	-	<15
	08/27/02	well could not be located								
	08/13/03	well could not be located								
	11/22/04	<0.14	<0.36	<0.40	<0.74	nd	<0.40	-	54 Z	-
	04/13/05	<0.14	<0.36	<0.40	<0.74	nd	<0.40	-	<5.0	-
	09/26/05	<0.21	<0.36	<0.40	<0.74	nd	<0.40	-	<5.0	-
MW02	04/14/94	<0.7	<1.0	<0.9	<1.5	nd	-	<3.5	-	24
	05/11/94	<0.7	<1.0	<0.9	<1.5	nd	-	<3.5	-	<15
	08/27/02	well could not be located								
	08/13/03	well could not be located								
	11/22/04	abandoned October 2004, not replaced								
MW03	04/14/94	<0.7	<1.0	<0.9	<1.5	nd	-	<3.5	-	30
	05/11/94	<0.7	<1.0	<0.9	<1.5	nd	-	<3.5	-	20
	08/27/02	well could not be located								
	08/13/03	well could not be located								
	11/22/04	abandoned October 2004, replaced with MW03R								
MW03R	11/22/04	<0.14	<0.36	<0.40	<0.74	nd	<0.40	-	<5 Z	-
	04/14/05	<0.14	<0.36	<0.40	<0.74	nd	<0.40	-	<5.0	-
	09/26/05	<0.21	<0.36	<0.40	<0.74	nd	<0.40	-	<5.0	-
MW04	04/14/94	<u>13</u>	<u>270</u>	<u>280</u>	<u>1,380</u>	1,943	-	<3.5	-	<8
	05/11/94	<17.5	<u>568</u>	<u>411</u>	<u>1,810</u>	2,789	-	<3.5	-	20
	08/27/02	<0.48	<0.47	<0.43	<1.4	nd	<0.52	40 Q	-	-
	08/14/03	<0.30	<0.58	<0.60	<1.2	nd	<0.66	L	-	-
	11/22/04	samples were damaged, analysis was not performed								
	dup (QC2) 11/22/04	0.15 Q	<0.36	<0.40	<0.74	0.2	<0.40	-	11 Z	-
	04/13/05	damaged, abandoned April 2005, not replaced								
MW05	04/14/94	<0.7	<1.0	<0.9	<1.5	nd	-	<3.5	-	14
	05/11/94	<0.7	<1.0	<0.9	<1.5	nd	-	<3.5	-	<15
	08/27/02	<0.48	<0.47	<0.43	<1.4	nd	<0.52	<2.7	-	-
	08/14/03	<0.30	<0.58	<0.60	<1.2	nd	<0.66	L	-	-
	11/22/04	<u>0.73</u>	<0.36	0.63 Q	<0.74	1.4	<0.40	-	<5 Z	-
	04/14/05	<0.14	<0.36	<0.40	<0.74	nd	<0.40	-	<5.0	-
	04/14/05	<0.14	<0.36	<0.40	<0.74	nd	<0.40	-	<5.0	-
	09/26/05	<0.21	<0.36	<0.40	<0.74	nd	<0.40	-	<5.0	-
MW301	04/15/94	<u>770</u>	<u>580</u>	<u>650</u>	840	2,840	-	76	-	<u>1,460</u>
	05/10/94	<u>321</u>	<u>434</u>	<u>720</u>	782	2,257	-	474	-	140
	08/27/02	<u>2,600</u>	<u>830</u>	<u>910</u>	680 Q	5,020	<u>140 Q</u>	81	-	-
	08/14/03	<u>1,200 K</u>	<u>470 K</u>	<u>520 K</u>	510 K	2,700	<u>162 KQ</u>	L	-	-
	11/22/04	abandoned January 2004 as part of sewer construction activities, not replaced								



Table 2 - Groundwater Analytical Results - PVOCs and Cyanide
 September 2005 Groundwater Quality Update - 1603 Ely Street, Marinette, Wisconsin
 Wisconsin Public Service Corporation - Former Marinette Manufactured Gas Plant Site
 EPA ID# WIN000509952
 BRRTS #: 02-38-000047

Sample Location	Sample Date	Petroleum Volatile Organic Compounds (µg/L)					Cyanide (µg/L)		Phenolics (µg/L)	
		Benzene	Toluene	Ethylbenzene	Xylenes, Total	Total BTEX	Trimethylbenzene (1,2,4- and 1,3,5-)	Weak Acid Dissociable		Available (OIA-1677, preserved with PbCO ₃)
Wisconsin Groundwater Quality Standards (NR 140, February 2004)										
Preventive Action Limit (PAL)		<u>0.5</u>	<u>200</u>	<u>140</u>	<u>1,000</u>	ns	<u>96</u>	ns	<u>40</u>	<u>1,200</u>
Enforcement Standard (ES)		<u>5</u>	<u>1,000</u>	<u>700</u>	<u>10,000</u>	ns	<u>480</u>	ns	<u>200</u>	<u>6,000</u>
MW302 dup dup dup (QA/QC 1) dup (QC2)	04/14/94	<u>1,230</u>	<u>520</u>	<u>380</u>	390	2,520	--	68	--	138
	04/14/94	<u>980</u>	<u>640</u>	<u>440</u>	<u>1,030</u>	3,090	--	72	--	493
	05/10/94	<u>482</u>	<u>405</u>	<u>538</u>	<u>1,090</u>	2,515	--	77	--	<15
	05/11/94	<0.7	<1.0	<0.9	<1.5	nd	--	<3.5	--	20
	08/27/02	<u>0.58 Q</u>	<0.47	<0.43	<1.4	0.6	<0.52	<2.7	--	--
	08/27/02	<u>0.76 Q</u>	<0.47	<0.43	<1.4	0.8	<0.52	8.0 Q	--	--
	08/13/03	<u>19</u>	<0.58	4.2	<1.2	23	<0.66	L	--	--
	08/13/03	<u>19</u>	<0.58	4.2	<1.2	23	<0.66	L	--	--
	11/22/04	<u>4.6</u>	<0.36	8.6	6.2	19	0.61 Q	--	<u>69 Z</u>	--
04/14/05	<u>4.9</u>	<0.36	0.57 Q	<0.74	5.5	<0.40	--	8.0	--	
09/26/05	<u>13</u>	<0.36	1.30 Q	<0.74	14.3	<0.40	--	<5.0	--	
MW303	06/24/96	<0.50	<1.0	<1.0	<3.0	nd	--	--	--	--
	08/12/96	<0.50	<1.0	<1.0	<3.0	nd	--	--	--	--
	08/27/02	<0.48	<0.47	<0.43	<1.4	nd	<0.52	6 Q	--	--
	08/13/03	<0.30	<0.58	<0.60	<1.2	nd	<0.66	L	--	--
	11/22/04	<0.14	<0.36	<0.40	<0.74	nd	<0.40	--	38 Z	--
	04/14/05	<u>1.5</u>	<0.36	0.53 Q	<0.74	2.0	<0.40	--	<5.0	--
	09/26/05	<0.21	<0.36	<0.40	<0.74	nd	<0.40	--	<5.0	--
MW304 dup dup (QC1)	06/24/96	<u>150</u>	23	48	58	279	--	--	--	--
	06/24/96	<u>180</u>	29	64	76	349	--	--	--	--
	08/12/96	<u>260</u>	62	39	<150	361	--	--	--	--
	08/27/02	<u>100</u>	22	13	28	163	10.7 Q	20	--	--
	08/13/03	<u>94 K</u>	21 K	11 K	22.6 K	149	6.0 KQ	L	--	--
	08/13/03	<u>97</u>	22	12	22.6	154	6.0 KQ	L	--	--
	11/22/04	<u>29</u>	5.1	5.9	8.6	49	2.53 Q	--	<u>660 Z</u>	--
	04/14/05	<u>1.1</u>	<0.36	<0.40	<0.74	1.1	<0.40	--	7.8	--
09/26/05	<u>78</u>	14	11	21	124	7.2	--	<5.0	--	
MW305	06/24/96	<0.50	<1.0	<1.0	<3.0	nd	--	--	--	--
	08/12/96	<0.50	<1.0	<1.0	<3.0	nd	--	--	--	--
	08/27/02	<0.48	<0.47	<0.43	<1.4	nd	<0.52	19	--	--
	08/14/03	<0.30	<0.58	<0.60	<1.2	nd	<0.66	L	--	--
	11/22/04	<0.14	<0.36	<0.40	<0.74	nd	<0.40	--	22 Z	--
	04/14/05	<0.14	<0.36	<0.40	<0.74	nd	<0.40	--	<5.0	--
	09/26/05	<0.21	<0.36	<0.40	<0.74	nd	<0.40	--	<5.0	--
MW306 dup (QC1) dup (QC01)	06/24/96	<0.50	<1.0	4.7	21	26	--	--	--	--
	08/13/96	<0.50	<1.0	9.5	66	76	--	--	--	--
	08/27/02	<2.4	88	<u>390</u>	<u>1,020</u>	1,498	<u>321</u>	<2.7	--	--
	08/14/03	<6.0 K	150 K	<u>930 K</u>	<u>2,160 K</u>	3,240	<u>920 K</u>	L	--	--
	11/22/04	0.20Q	<0.36	0.41 Q	2.3	2.9	5.5	--	28 Z	--
	11/22/04	0.15 Q	<0.36	<0.40	1.8	2.0	4.2	--	31 Z	--
	04/13/05	<0.34	13	<u>350</u>	690	1,053	<u>375</u>	--	<5.0	--
	09/26/05	<0.21	<0.36	22	16	38	9.0	--	<5.0	--
	09/26/05	<0.21	<0.36	23	17.81 Q	41	9.1	--	<5.0	--



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 EPA ID# WIN000509952
 BRRTS #: 02-38-000047

Sample Location	Sample Date	Petroleum Volatile Organic Compounds (µg/L)						Cyanide (µg/L)		Phenolics (µg/L)
		Benzene	Toluene	Ethylbenzene	Xylenes, Total	Total BTEX	Trimethylbenzene (1,2,4- and 1,3,5-)	Weak Acid Dissociable	Available (OIA-1677, preserved with PbCO ₃)	
Wisconsin Groundwater Quality Standards (NR 140, February 2004)										
Preventive Action Limit (PAL)		<u>0.5</u>	<u>200</u>	<u>140</u>	<u>1,000</u>	ns	<u>96</u>	ns	<u>40</u>	<u>1,200</u>
Enforcement Standard (ES)		<u>5</u>	<u>1,000</u>	<u>700</u>	<u>10,000</u>	ns	<u>480</u>	ns	<u>200</u>	<u>6,000</u>
MW307	06/24/96	<u>0.63</u>	<1.0	<1.0	<3.0	0.6	--	--	--	--
	08/12/96	<u>1.2</u>	<1.0	<1.0	<3.0	1.2	--	--	--	--
	08/27/02	<0.48	<0.47	<0.43	<1.4	nd	<0.52	5.0 Q	--	--
	08/14/03	<0.30	<0.58	<0.60	<1.2	nd	<0.66	L	--	--
	11/22/04	abandoned October 2004, replaced with MW307R								
MW307R	11/22/04	<u>0.61</u>	<0.36	<0.40	<0.74	0.6	0.69 Q	--	<u>46 Z</u>	--
dup (QC1)	04/13/05	<u>0.57</u>	<0.36	<0.40	<0.74	0.6	<0.40	--	<5.0	--
	04/13/05	<u>0.80</u>	<0.36	<0.40	<0.74	0.8	<0.40	--	6.6	--
	09/26/05	0.44 Q	<0.36	<0.40	<0.74	0.4	<0.40	--	<5.0	--
dup (QC02)	09/26/05	0.49 Q	<0.36	<0.40	<0.74	0.5	<0.40	--	<5.0	--
MW308	11/22/04	<u>0.61</u>	<0.36	<0.40	1.00 Q	1.6	0.90 Q	--	27 Z	--
	04/13/05	0.33 Q	<0.36	0.71 Q	0.76 Q	1.8	1.4	--	<5.0	--
	09/26/05	<0.21	<0.36	<0.40	<0.74	nd	<0.40	--	<5.0	--
MW310	11/22/04	<u>0.68</u>	<0.36	0.89 Q	<0.74	1.6	0.46 Q	--	<u>68 Z</u>	--
	04/13/05	<0.14	<0.36	<0.40	<0.74	nd	<0.40	--	5.1	--
	09/26/05	0.45 Q	<0.36	<0.40	0.44 Q	0.9	<0.40	--	<5.0	--
MW311	11/22/04	<u>580 K</u>	19 Q, K	<u>1,200 K</u>	820 K	2,619	<u>207 K</u>	--	12 Z	--
	04/13/05	<u>260</u>	15	<u>700</u>	360	1,335	<u>110</u>	--	<5.0	--
	09/26/05	<u>440</u>	19	<u>920</u>	440	1,819	<u>151</u>	--	<5.0	--
PIEZOMETERS										
P301	04/14/94	<0.7	33.6	0.9	<1.5	35	--	--	--	13
	05/11/94	<0.7	26	<0.9	<1.5	26	--	--	--	--
	08/27/02	<0.48	<0.47	<0.43	<1.4	nd	<0.52	<2.7	--	--
	08/13/03	well did not recover after purge								
	11/22/04	abandoned January 2004 as part of sewer construction activities, not replaced								
P302 dup (QA/QC 2)	06/24/96	<0.50	<1.0	<1.0	<3.0	nd	--	--	--	--
	08/12/96	<0.50	<1.0	<1.0	<3.0	nd	--	--	--	--
	08/27/02	<0.48	<0.47	<0.43	<1.4	nd	<0.52	13	--	--
	08/27/02	<0.48	<0.47	<0.43	<1.4	nd	<0.52	<2.7	--	--
	08/13/03	<0.30	<0.58	<0.60	<1.2	nd	<0.66	L	--	--
	11/22/04	<0.14	<0.36	<0.40	<0.74	nd	<0.40	--	<5 Z	--
P303	04/14/05	<0.14	<0.36	<0.40	<0.74	nd	<0.40	--	<5.0	--
	09/26/05	<0.21	<0.36	<0.40	<0.74	nd	<0.40	--	<5.0	--
	06/24/96	<0.50	<1.0	<1.0	<3.0	nd	--	--	--	--
	08/12/96	<0.50	<1.0	<1.0	<3.0	nd	--	--	--	--
	08/27/02	<0.48	<0.47	<0.43	<1.4	nd	<0.52	16	--	--
08/14/03	<0.30	<0.58	<0.60	<1.2	nd	<0.66	L	--	--	
11/22/04	<0.14	<0.36	<0.40	<0.74	nd	<0.40	--	<u>53 Z</u>	--	
04/14/05	<0.14	<0.36	<0.40	<0.74	nd	<0.40	--	<5.0	--	
09/26/05	<0.21	<0.36	<0.40	<0.74	nd	<0.40	--	<5.0	--	



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 BRRTS #: 02-38-000047

Sample Location	Sample Date	Petroleum Volatile Organic Compounds (µg/L)					Cyanide (µg/L)		Phenolics (µg/L)	
		Benzene	Toluene	Ethylbenzene	Xylenes, Total	Total BTEX	Trimethylbenzene (1,2,4- and 1,3,5-)	Weak Acid Dissociable		Available (OIA-1677, preserved with PbCO ₃)
Wisconsin Groundwater Quality Standards (NR 140, February 2004)										
Preventive Action Limit (PAL)		<u>0.5</u>	<u>200</u>	<u>140</u>	<u>1,000</u>	ns	<u>96</u>	ns	<u>40</u>	<u>1,200</u>
Enforcement Standard (ES)		5	1,000	700	10,000	ns	480	ns	200	6,000
P304	06/24/96	<u>22</u>	1.5	5.7	8.3	38	-	-	-	-
	08/12/96	<u>2.1</u>	<1.0	<1.0	<3.0	2.1	-	-	-	-
	08/27/02	<0.48	<0.47	<0.43	<1.4	nd	<0.52	7.0 Q	-	-
	08/13/03	<0.30	<0.58	<0.60	<1.2	nd	<0.66	L	-	-
	11/22/04	insufficient water volume to purge and sample							-	-
	04/14/05	<0.14	<0.36	<0.40	<0.74	nd	<0.40	-	-	-
	09/26/05	<0.21	<0.36	<0.40	<0.74	nd	<0.40	-	insufficient volume	-
P305	11/22/04	<0.14	<0.36	<0.40	<0.74	nd	<0.40	-	<5 Z	-
	04/13/05	<0.14	<0.36	<0.40	<0.74	nd	<0.40	-	<5.0	-
	09/26/05	<0.21	<0.36	<0.40	<0.74	nd	<0.40	-	<5.0	-
Temporary Monitoring Locations										
SB327	04/01/96	<0.50	2.8	<1.0	<3.0	nd	-	-	-	-
SB333	04/01/96	<0.50	<1.0	<1.0	<3.0	nd	-	-	-	-
SB338	04/02/96	<u>5,300</u>	<u>3,700</u>	<u>3,900</u>	<3,000	12,900	-	-	-	-
SB340	04/02/96	<u>650</u>	<100	<u>1,400</u>	900	2,950	-	-	-	-

[PAR/JTB-09/03][MJR/JTB-2/05][PAR/RLH 5/05][HMS/JTB 12/05]

Notes:

- 1) Concentrations that attain/exceed a PAL are underlined/italicized.
 - 2) Concentrations that attain/exceed an ES are underlined/bold.
- dup : Field duplicate sample, field identification in parentheses.
 * : Laboratory note - precision not within control limits.
 A : Laboratory note - Detected in method blank at 0.16 µg/L.
 K : Laboratory note - Detection limit may be elevated due to the presence of an unrequested analyte.
 L : Cyanide analysis was not performed due to laboratory error.
 Q : Laboratory note - Analyte detected between the limit of detection (LOD) and limit of quantitation (LOQ).
 Z : 11/22/04 available cyanide samples were not field preserved with lead carbonate. Data may be biased high due to sulfide interference and are not used to evaluate trends.
- nd : Not detected.
 -- : Analysis not performed.
 ns : standard not established



Table 3 - Groundwater Analytical Results - PAHs
 September 2005 Groundwater Quality Update - 1603 Ely Street, Marinette, Wisconsin
 Wisconsin Public Service Corporation - Former Marinette Manufactured Gas Plant Site
 EPA ID# WIN000509952
 BRRTS #: 02-38-000047

Sample Location	Sample Date	Polynuclear Aromatic Hydrocarbon (µg/L)																		Sample Technique	Field Comments	
		Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(ah)anthracene	Fluoranthene	Fluorene	Indeno(123-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	1-Methylnaphthalene	2-Methylnaphthalene			Total PAHs
Preventive Action Limit (PAL)		ns	ns	<u>600</u>	ns	<u>0.02</u>	<u>0.02</u>	ns	ns	<u>0.02</u>	ns	<u>80</u>	<u>80</u>	ns	<u>8</u>	ns	<u>50</u>	ns	ns	ns		
Enforcement Standard (ES)		ns	ns	<u>3,000</u>	ns	<u>0.2</u>	<u>0.2</u>	ns	ns	<u>0.2</u>	ns	<u>400</u>	<u>400</u>	ns	<u>40</u>	ns	<u>250</u>	ns	ns	ns		
MW01	04/13/94	<0.66	<1.60	<0.05	<0.04	<0.05	<0.08	<0.07	<0.04	<0.05	--	<0.28	<0.11	<0.08	<1.10	<0.15	<0.03	<1.20	<0.21	nd	bailer	-
	05/10/94	<0.66	<1.60	<0.05	<0.04	<0.05	<0.08	<0.07	<0.04	<0.05	--	<0.28	<0.11	<0.08	<1.10	<0.15	<0.03	<1.2	<1.2	nd	bailer	-
	08/27/02	Well could not be located																			-	-
	08/13/03	Well could not be located																			-	-
	11/22/04	0.022 Q	<0.019	<0.018	<0.020	<0.018	<0.018	<0.021*	<0.019*	<0.016	<0.022*	<0.016	<0.022	<0.017*	0.14	<0.020	<0.016	<0.020	<0.023	0.2	low flow	-
MW02	04/13/05	0.042 Q	<0.020	<0.018	<0.020	<0.018	<0.018	<0.021	<0.020	<0.017	<0.022	<0.017	<0.022	<0.017	0.055 Q	<0.021	<0.017	<0.020	<0.023	0.1	low flow	-
	09/26/05	0.065	<0.0081	<0.012	<0.016	<0.018	<0.016 Z	<0.019	<0.019 Z	<0.019	<0.019	0.020 Q	0.017 Q	<0.019	0.093 Q*	<0.011	0.018 Q	0.018 Q	0.021 Q	0.3	low flow	grey, no odor
	04/14/94	<0.66	<1.60	<0.05	<0.04	<0.05	<0.08	<0.07	<0.04	<0.05	--	<0.28	<0.11	<0.08	3.34	<0.15	<0.03	<1.20	<0.21	3.3	bailer	-
	05/11/94	<0.66	<1.60	<0.05	<0.04	<0.05	<0.08	<0.07	<0.04	<0.05	--	<0.28	<0.11	<0.08	1.75	<0.15	<0.03	--	--	1.8	bailer	-
	08/27/02	Well could not be located																			-	-
MW03	08/13/03	Well could not be located																			-	-
	11/22/04	Well abandoned October 2004, not replaced																			-	-
	04/14/94	<0.66	<1.60	<0.05	0.21	<0.05	<u>0.18</u>	<0.07	<0.04	<0.05	--	<0.28	0.61	<0.08	2.52	0.69	<0.03	2.63	<0.21	6.8	bailer	-
	05/11/94	<0.66	<1.60	<0.05	<0.04	<0.05	<0.08	<0.07	<0.04	<0.05	--	<0.28	0.27	<0.08	0.29	<0.15	<0.03	--	--	0.6	bailer	-
	08/27/02	Well could not be located																			-	-
MW03R	08/13/03	Well could not be located																			-	-
	11/22/04	Well abandoned October 2004, replaced with MW-3R																			-	-
	11/22/04	14 D	0.28	0.15	<0.020	<0.018	<0.018	<0.021*	<0.019*	<0.016	<0.022*	0.15	2.4 D,Q	<0.017*	<1.1 D	0.049 Q	0.093	0.18	0.051 Q	17	low flow	-
	04/14/05	<0.019	<0.019	0.018 Q	<0.020	<0.018	<0.018	<0.021	<0.019	<0.016	<0.022	<0.016	<0.022	<0.017	<0.022	<0.020	<0.016	<0.020	<0.023	0.02	low flow	-
	09/26/05	3.0	0.15 Q	0.17 Q	<0.12	<0.15	<0.13 Z	<0.15	<0.15 Z	<0.15	<0.15	<0.12	0.54	<0.15	<0.38*	0.098 Q	<0.12	0.23 Q	<0.090	4.19	low flow	slightly cloudy, no odor
MW04	04/14/94	<0.66	<1.60	0.06	<0.04	<0.05	<0.08	<0.07	<0.04	<0.05	--	<0.28	<0.11	<0.08	<u>393</u>	<0.15	<0.03	<1.20	<0.21	393	bailer	-
	05/11/94	<0.66	<1.60	<0.05	<0.04	<0.05	<0.08	<0.07	<0.04	<0.05	--	<0.28	<0.11	<0.08	<u>147</u>	<0.15	<0.03	--	--	147	bailer	-
	08/27/02	<0.053	<0.16	<0.024	<0.030	<0.022	<0.036	<0.087	<0.067	<0.022	<0.036	<0.053	<0.025	<0.030	0.96	<0.036	<0.13	<0.095	<0.096	1.0	bailer	slight MGP type odor
	08/14/03	<0.018*	<0.019*	<0.020	<0.012	<0.014	<0.013	<0.016	<0.019	<0.014	<0.016	<0.013	<0.017*	<0.021	0.026 Q,*	<0.016	<0.017	<0.018*	<0.017*	0.03	low flow	-
	11/22/04	samples damaged, unable to analyze																			-	-
dup (QC2)	11/22/04	<0.019	<0.019	<0.018	<0.020	<0.018	<0.018	<0.021	<0.019	<0.016	<0.022	<0.016	<0.022	<0.017	0.026 Q	<0.020	<0.016	<0.020	<0.023	0.03	low flow	-
	04/14/05	well damaged, abandoned April 2005, not replaced																			-	-
	04/14/94	<0.66	<1.60	<0.05	<0.04	<0.05	<0.08	<0.07	<0.04	<0.05	--	<0.28	<0.11	<0.08	<1.10	<0.15	<0.03	<1.20	<0.21	nd	bailer	-
	05/11/94	<0.66	<1.60	<0.05	0.06	<0.05	<0.08	<0.07	<0.04	<0.05	--	<0.28	<0.11	<0.08	<1.10	<0.15	0.18	--	--	0.2	bailer	-
	08/27/02	<0.053	<0.16	0.22	<0.030	<u>0.69</u>	<u>0.50</u>	0.31	0.45	<u>0.54</u>	0.070 Q	0.92	<0.025	0.35	3.9	0.55	0.71	0.32	0.56	10	bailer	-
MW05	08/14/03	Sample bottle broken in transit to laboratory, analysis could not be performed																			-	-
	11/22/04	0.060 Q	<0.019	<0.018	<0.020	<0.018	<0.018	0.022 Q	0.022 Q	<u>0.025 Q</u>	<0.022	<0.016	<0.022	<0.017	1.4 D	0.027 Q	<0.016	0.087	0.085	1.7	bailer	insufficient well volume for complete purge
	04/14/05	<0.019	<0.019	<0.018	<0.020	<0.018	<0.018	<0.021	<0.019	<0.016	<0.022	<0.016	<0.022	<0.017	<0.022	<0.020	<0.016	<0.020	<0.023	nd	low flow	-
	04/14/05	<0.019	<0.019	<0.018	<0.020	<0.018	<0.018	<0.021	<0.019	<0.016	<0.022	<0.016	<0.022	<0.017	0.034 Q	<0.020	<0.016	<0.020	<0.023	0.03	low flow	-
	09/26/05	<0.0082	<0.0081	<0.012	<0.016	<0.018	<0.016 Z	<0.019	<0.019 Z	<0.019	<0.019	<0.015	<0.0091	<0.019	0.033 Q	<0.011	<0.015	<0.010	<0.011	0.03	low flow	clear, no odor
MW301	04/15/94	<7.26	<17.6	26	8.5	<u>7.6</u>	<u>3.6</u>	<0.77	2.9	<u>4.5</u>	--	<0.28	74	4.4	<u>3,520</u>	135	<0.33	<1.20	<0.21	3,787	bailer	-
	05/10/94	<0.66	<1.60	13	1.28	<u>1.69</u>	<u>0.51</u>	<0.07	0.43	<u>0.84</u>	--	<0.28	43	0.66	<u>2,240</u>	11	<0.03	--	--	2,312	bailer	-
	08/27/02	240	340	240	220	<u>34</u>	<u>80</u>	44	69	<u>47</u>	25	<u>130</u>	<u>390</u>	70	<u>4,300</u>	720	<u>320</u>	520	770	8,559	bailer	MGP type odor, sheen, black
	08/14/03	1,300 *	2,900 *	<u>1,700</u>	1,300	<u>1,100</u>	<u>720</u>	560	780	<u>1,200</u>	180 Q	<u>3,400</u>	<u>2,100 *</u>	500	<u>18,000 D,*</u>	6,000 D	<u>2,900</u>	4,100 D,Q,*	5,600 D,*	54,340	bailer	MGP type odor, emulsified tar
	11/22/04	Well abandoned in January 2004 as part of sewer construction activities, not replaced																			-	-



Table 3 - Groundwater Analytical Results - PAHs
 September 2005 Groundwater Quality Update - 1603 Ely Street, Marinette, Wisconsin
 Wisconsin Public Service Corporation - Former Marinette Manufactured Gas Plant Site
 EPA ID# WIN000509952
 BRRS #: 02-38-00047

Sample Location	Sample Date	Polynuclear Aromatic Hydrocarbon (µg/L)																		Sample Technique	Field Comments	
		Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(ah)anthracene	Fluoranthene	Fluorene	Indeno(123-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	1-Methyl naphthalene	2-Methyl naphthalene			Total PAHs
Preventive Action Limit (PAL)		ns	ns	<u>600</u>	ns	<u>0.02</u>	<u>0.02</u>	ns	ns	<u>0.02</u>	ns	<u>80</u>	<u>80</u>	ns	<u>8</u>	ns	<u>50</u>	ns	ns	ns		
Enforcement Standard (ES)		ns	ns	<u>3,000</u>	ns	<u>0.2</u>	<u>0.2</u>	ns	ns	<u>0.2</u>	ns	<u>400</u>	<u>400</u>	ns	<u>40</u>	ns	<u>250</u>	ns	ns	ns		
MW302	04/14/94	<7.26	<17.6	17	2.7	<u>2.6</u>	<0.88	<0.77	1	<u>1.4</u>	--	<3.08	62	1.4	<u>2,500</u>	117	<0.33	<1.20	<0.21	2,705	bailer	-
dup	04/14/94	<7.26	<17.6	15	1.6	<u>1.1</u>	<0.88	<0.77	0.5	<u>0.8</u>	--	<3.08	55	<0.88	<u>1,770</u>	108	<0.33	<1.20	<0.21	1,952	bailer	-
dup	05/10/94	<0.66	<1.60	23	1.83	<u>1.75</u>	<u>0.61</u>	<0.07	0.47	<u>1.4</u>	--	<0.28	46	0.58	<u>2,520</u>	31	<0.03	--	--	2,627	bailer	-
dup	05/11/94	<0.66	<1.60	<0.05	<0.04	<0.05	<0.08	<0.07	<0.04	<0.05	--	<0.28	<0.11	<0.08	<1.10	0.15	<0.03	--	--	0.15	bailer	-
dup (QA/QC 1)	08/27/02	2.4	1.4	29	53	<u>54</u>	<u>55</u>	30	22	<u>45</u>	8.1	73	5.4	41	<u>11</u>	16	<u>56</u>	0.84	3.5	507	bailer	-
dup (QC2)	08/27/02	1.9	<0.16	19	28	<u>27</u>	<u>25</u>	19	12	<u>22</u>	3.9	37	5.9	20	6.6	13	28	<0.095	<0.096	268	bailer	-
dup (QC2)	08/13/03	0.87 *	0.51 *	0.56	1.0	<u>1.1</u>	<u>0.78</u>	0.61	0.72	<u>0.83</u>	0.17 Q	1.4	0.18 Q,*	0.54	0.60	0.27	1.2	0.47 *	<0.068*	12	low flow	-
dup (QC2)	08/13/03	1.4 *	0.61 *	0.49 *	0.98	<u>1.0</u>	<u>0.70</u>	0.56	0.65	<u>0.83</u>	0.16 Q	1.4	0.35 *	0.51	0.85 *	0.32	1.2	0.66 *	0.079 Q,*	13	low flow	-
dup (QC2)	11/22/04	5.3 Q	27	45	70	<u>80</u>	<u>45</u>	42 *	47 *	<u>59</u>	13 Q,*	<u>110 D</u>	4.9 Q	39 *	<u>13 Q</u>	22	<u>78</u>	<4.0	<4.5	590	low flow	insufficient well volume for complete purge
dup (QC2)	04/14/05	0.40 Q	1.2 Q	0.96 Q	2.5	<u>3.0</u>	<u>2.3</u>	2.0	1.9	<u>1.9</u>	0.62 Q	3.5	<0.44	1.8	<0.45	1.2 Q	3.0	<0.40	<0.45	26	low flow	-
dup (QC2)	09/26/05	1.8	0.88	0.82	0.35	<u>0.41</u>	<u>0.30 Z</u>	0.27	0.26 Z	<u>0.30</u>	<0.075	1.2	0.75	0.22 Q	0.51 Q*	0.58	0.85	0.78	0.085 Q	10	low flow	clear, no odor
MW303	06/24/96	<1.0	<2.0	<0.20	<0.050	<0.024	<0.050	<0.20	<0.050	<0.10	--	<0.20	<0.40	<0.10	<1.0	<0.40	<0.20	<1.0	<1.0	nd	bailer	-
MW303	08/12/96	<1.0	<2.0	<0.20	<0.050	<0.024	<0.050	<0.20	<0.050	<0.10	--	<0.20	<0.40	<0.10	<1.0	<0.40	<0.20	<1.0	<1.0	nd	bailer	-
MW303	08/27/02	<0.053	<0.16	0.19	0.80	<u>0.59</u>	<u>1.0</u>	0.54	0.42	<u>0.96</u>	0.12	1.9	<0.025	0.64	<0.067	0.76	1.4	<0.095	<0.096	9.3	bailer	-
MW303	08/13/03	0.11	0.025 Q	<0.021	0.035 Q	<u>0.045 Q</u>	<u>0.051</u>	0.039 Q	0.039 Q	<u>0.043 Q</u>	<0.017	0.10 &	<0.018	0.033 Q	0.039 Q	0.030 Q	0.091 &	<0.019	<0.018	0.7	low flow	-
MW303	11/22/04	0.46	0.060 Q	<0.018	<0.020	<0.018	<0.018	<0.021*	<0.019*	<0.016	<0.022*	0.032 Q	<0.022	<0.017*	0.032 Q	<0.020	0.035 Q	<0.020	<0.023	0.6	low flow	-
MW303	04/14/05	0.26	0.068	<0.018	<0.020	<0.018	<0.018	<0.021	<0.019	<0.016	<0.022	0.017 Q	<0.022	<0.017	0.18	<0.020	0.020 Q	0.063 Q	0.058 Q	0.7	low flow	-
MW303	09/26/05	0.31	0.13	0.064	0.18	<u>0.23</u>	<u>0.22 Z</u>	0.16	0.16 Z	<u>0.14</u>	0.046 Q	0.21	0.011 Q	0.14	0.069 Q*	0.044	0.3	0.027 Q	0.028 Q	2.5	low flow	brown, cloudy, no odor
MW304	06/24/96	<1.0	<2.0	2.8	0.14	<0.024	<u>0.05</u>	<0.20	0.05	<0.10	--	3.0	29	<0.10	<u>310</u>	9	1.1	35	12	402	bailer	-
dup (QC1)	06/24/96	<1.0	<2.0	3	0.21	<u>0.18</u>	<u>0.05</u>	<0.20	<0.050	<0.10	--	2.5	23	<0.10	<u>230</u>	11	0.69	19	14	304	bailer	-
dup (QC1)	08/12/96	20	61	1.4	0.65	<u>0.65</u>	<u>2.2</u>	0.54	0.12	<u>0.28</u>	--	3.0	9.1	0.49	<u>120</u>	5.0	1.4	<1.0	<1.0	226	bailer	-
dup (QC1)	08/27/02	13	9.9	2.5	16	<u>3.1</u>	<u>3.9</u>	2.4	0.67	<u>2.8</u>	0.59	6.9	4.3	6.1	<u>190</u>	4.4	4.5	18	6.5	296	bailer	slight MGP type odor
dup (QC1)	08/13/03	3.1	2.2	<0.40	0.53 Q	<u>0.54 Q</u>	<u>0.46 Q</u>	0.35 Q	0.41 Q	<u>0.51 Q</u>	<0.32	1.4 &	0.60 Q	<0.42	<u>100 D</u>	0.72 Q	1.2 &	7.0	2.2	121	low flow	-
dup (QC1)	08/13/03	2.8 Q,*	<1.9*	<2.0	<1.2	<1.4	<1.3	<1.6	<1.9	<1.4	<1.6	<1.3	<1.7*	<2.1	<u>81 D,*</u>	<1.6	<1.7	6.4 *	2.2 Q,*	92	low flow	-
dup (QC1)	11/22/04	<1.9	<1.9	<1.8	<2.0	<1.8	<1.8	<2.1*	<1.9*	<1.6	<2.2*	<1.7	<2.2	<1.7*	<u>27</u>	<2.0	<1.6	2.5 Q	<2.3	30	low flow	well parameters did not stabilize
dup (QC1)	04/14/05	<0.019	<0.019	0.027 Q	0.020 Q	<u>0.023 Q</u>	<u>0.036 Q</u>	0.026 Q	0.028 Q	<u>0.025 Q</u>	<0.022	0.041 Q	<0.022	0.021 Q	0.060 Q	<0.020	0.031 Q	0.12	<0.023	0.5	low flow	-
dup (QC1)	09/26/05	1.7 Q	0.99 Q	<1.2	<1.6	<1.8	<1.6 Z	<1.9	<1.9 Z	<1.9	<1.9	<1.5	<0.91	<1.9	<u>47 *</u>	<1.1	<1.5	4.2	<1.1	53.9	low flow	clear, no odor
MW305	06/24/96	<1.0	<2.0	0.33	0.71	<u>0.26</u>	<u>0.15</u>	0.41	0.3	<u>0.32</u>	--	0.62	<0.40	0.29	<1.0	<0.40	1.5	<1.0	<1.0	4.9	bailer	-
MW305	08/12/96	<1.0	<2.0	<0.20	0.31	<u>0.14</u>	<u>0.08</u>	<0.20	0.07	<u>0.18</u>	--	<0.20	<0.40	<0.10	<1.0	<0.40	<0.20	<1.0	<1.0	0.8	bailer	-
MW305	08/27/02	<0.053	<0.16	<0.024	<0.030	<u>0.21</u>	<u>0.26</u>	0.36	0.37	<0.022	0.080 Q	<0.053	<0.025	0.34	<0.067	<0.036	<0.13	<0.095	<0.096	1.6	bailer	-
MW305	08/14/03	<0.036*	0.42 *	0.12 Q	0.23	<u>0.20</u>	<u>0.26</u>	0.28	0.21	<u>0.23</u>	0.071 Q	0.25	<0.034*	0.21	0.11 Q,*	0.11	0.35	<0.036*	0.043 Q,*	3.1	low flow	insufficient well volume for complete purge
MW305	11/22/04	<0.019	<0.019	<0.018	<0.020	<0.018	<0.018	<0.021*	<0.019*	<0.016	<0.022*	0.018 Q	<0.22	<0.17*	<0.022	<0.020	<0.016	<0.020	<0.023	0.02	low flow	-
MW305	04/14/05	<0.019	0.35	0.098	0.24	<u>0.20</u>	<u>0.24</u>	0.24	0.21	<u>0.21</u>	0.071 Q	0.21	<0.022	0.19	0.098	0.10	0.32	0.025 Q	0.036 Q	2.8	low flow	insufficient well volume for complete purge
MW305	09/26/05	0.010 Q	0.29	0.11	0.17	<u>0.15</u>	<u>0.18 Z</u>	0.19	0.16 Z	<u>0.15 Q</u>	0.050 Q	0.16	0.014 Q	0.14	0.072 Q*	0.07	0.2	0.017 Q	0.031 Q	2.2	low flow	brown, cloudy, no odor
MW306	06/24/96	<1.0	<2.0	<0.20	0.05	<0.024	<u>0.05</u>	<0.20	0.05	<0.10	--	<0.20	<0.40	<0.10	<1.0	<0.40	<0.20	<1.0	<1.0	0.2	bailer	-
MW306	08/13/96	<1.0	<2.0	<0.20	0.05	<0.024	<u>0.05</u>	<0.20	0.05	<0.10	--	<0.20	<0.40	<0.10	<1.0	<0.40	<0.20	<1.0	<1.0	8.1	bailer	-
MW306	08/27/02	<0.053	<0.16	<0.024	<0.030	<0.022	<0.036	<0.087	<0.067	<0.022	<0.036	<0.053	<0.025	<0.030	<0.067	<0.036	<0.13	<0.095	<0.096	nd	bailer	slight MGP type odor
MW306	08/14/03	0.17 *	0.055 Q,*	<0.020	<0.012	<0.014	<0.013	<0.016	<0.019	<0.014	<0.016	0.036 Q	0.099 *	<0.021	<u>600 D,*</u>	0.077	0.067	6.7 D,Q,*	<3.4 D*	607	low flow	MGP type odor
MW306	11/22/04	0.18	<0.019	<0.018	<0.020	<0.018	<0.018	<0.021*	<0.019*	<0.016	<0.022*	0.035 Q	0.031 Q	<0.017*	0.37	<0.020	0.24	1.8 D	<0.023	2.7	low flow	-
MW306	11/22/04	0.080	<0.019	<0.018	<0.020	<0.018	<0.018	<0.021	<0.019	<0.016	<0.022	0.037 Q	<0.022	<0.017	0.11	<0.020	0.24	0.54 D	<0.023	1.0	low flow	-
MW306	04/13/05	0.67 E	0.082	0.022 Q	<0.020	<0.018	<0.018	<0.021	<0.019	<0.017	<0.022	0.12	0.17	<0.017	<u>410 D</u>	0.050 Q	0.23	7.4 E	0.46	419	low flow	insufficient well volume for complete purge
MW306	09/26/05	0.34	0.024 Q	0.016 Q	<0.016	<0.018	<0.016 Z	<0.019	<0.019 Z	<0.019	<0.019	0.044 Q	0.041	<0.019	1.9 E*	0.019 Q	0.26	1.6 E	0.018 Q	4.3	low flow	-
dup (QC01)	09/26/05	0.40	0.023 Q	0.015 Q	<0.016	<0.018	<0.016 Z	<0.019	<0.019 Z	<0.019	<0.019	0.049 Q	0.044	<0.019	1.6 D	0.019 Q	0.30	1.5 D	0.013 Q	4.0	low flow	-



Table 3 - Groundwater Analytical Results - PAHs

September 2005 Groundwater Quality Update - 1603 Ely Street, Marinette, Wisconsin
 Wisconsin Public Service Corporation - Former Marinette Manufactured Gas Plant Site
 EPA ID# WIN000509952
 BRRTS #: 02-38-000047

Sample Location	Sample Date	Polynuclear Aromatic Hydrocarbon (µg/L)																		Sample Technique	Field Comments
		Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(ah)anthracene	Fluoranthene	Fluorene	Indeno(123-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	1-Methyl naphthalene	2-Methyl naphthalene		
Preventive Action Limit (PAL)		ns	ns	600	ns	0.02	0.02	ns	ns	0.02	ns	80	80	ns	8	ns	50	ns	ns	ns	
Enforcement Standard (ES)		ns	ns	3,000	ns	0.2	0.2	ns	ns	0.2	ns	400	400	ns	40	ns	250	ns	ns	ns	
MW307	06/24/96	<1.0	<2.0	0.39	0.15	<0.024	<0.050	<0.20	<0.050	<0.10	-	0.31	<0.40	<0.10	<1.0	<0.40	0.38	<1.0	<1.0	1.2	
	08/13/96	<1.0	<2.0	<0.20	<0.050	<0.024	<0.050	<0.20	<0.050	<0.10	-	<0.20	<0.40	<0.10	<1.0	<0.40	<0.20	<1.0	<1.0	nd	
	08/27/02	<0.053	<0.16	0.23	<0.030	0.15	0.24	<0.087	<0.067	0.31	<0.036	0.37	<0.025	<0.030	<0.067	0.26	0.37 Q	<0.095	<0.096	1.9	
	08/14/03	0.038 Q,*	<0.019	<0.020	<0.012	<0.014	0.015 Q	0.017 Q	<0.019	<0.014	<0.016	0.029 Q	<0.017*	<0.021	0.033 Q	0.017 Q	0.028 Q	<0.018*	<0.017*	0.2	
Well Abandoned October 2004, Replaced with MW-307R																					
MW307R <i>dup (QC1)</i> <i>dup (QC2)</i>	11/22/04	7.4 D	0.25	1.0 D,Q	0.50 D,Q	0.31	0.180 Q	0.15*	0.17*	0.34	0.053 Q,*	1.8 D	2.5 D	0.14*	3.2 D	4.8 D	1.6 D	6.0 D	0.84 D,Q	31	
	04/13/05	3.4	<0.20	0.55 Q	<0.20	<0.18	<0.18	<0.21	<0.19	<0.17	<0.22	0.53 Q	0.90	<0.17	0.48 Q	1.1	0.51	2.1	<0.23	10	
	04/13/05	5.5	<0.39	1.2	<0.39	<0.36	<0.36	<0.41	<0.39	<0.33	<0.44	0.56 Q	1.2 Q	<0.34	0.55 Q	2.1	0.59 Q	3.0	<0.45	15	
	09/26/05	5.2	0.21 Q	0.55 Q	<0.31	<0.37	<0.31 Z	<0.39	<0.39 Z	<0.38	<0.38	0.93 Q	1.5	<0.38	<0.94*	2.1	0.73 Q	1.6	<0.22	13	
09/26/05	5.8 D	0.19	0.74 QD	0.12	0.042 Q	0.032 ZQ	0.022 Q	0.031 ZQ	0.087	<0.019	1.0 DQ	1.6 D	0.019 Q	0.42	2.1 D	0.86 QD	1.4 D	0.073	15		
MW308	11/22/04	11	3.6 Q	1.8 Q	<2.0	<1.8	<1.8	<2.1*	<1.9*	<1.6	<2.2*	<1.6	<2.2	<1.7*	<2.2	11	<1.6	18	<2.3	45	
	04/13/05	19	2.3 Q	2.0 Q	<2.0	<1.8	<1.8	<2.1	<2.0	<1.7	<2.2	<1.7	<2.2	<1.7	12	3.7 Q	<1.7	21	<2.3	60	
	09/26/05	<0.0082	<0.0081	<0.012	<0.016	<0.018	<0.016 Z	<0.019	<0.019 Z	<0.019	<0.019	<0.015	<0.0091	<0.019	<0.047*	<0.011	<0.015	0.010 Q	0.017 Q	0.03	
MW310	11/22/04	5.2 D	0.067	0.70 D,Q	0.051 Q	<0.018	<0.018	<0.021*	<0.019*	0.035 Q	<0.022*	0.37	1.9 D	<0.017*	5.4 D	3.0	0.39	4.4 D	1.3 D,Q	23	
	04/13/05	5.3	<0.39	1.3	<0.40	<0.37	<0.36	<0.42	<0.39	<0.33	<0.44	0.41 Q	1.6	<0.34	3.7	2.8	0.46 Q	3.4	<0.46	19	
	09/26/05	14 E	0.83	6.0	3.6	2.3	1.6 Z	1.0 Q	1.5 Z	2.9	0.41 Q	7.0	4.2	0.77 Q	5.4 *	16 E	7.4	10 E	0.64 Q	86	
MW311	11/22/04	<240 D	3.7 Q	9.9	<2.0	<1.8	<1.8	<2.1*	<1.9*	<1.6	<2.2*	3.9 Q	36	<1.7*	3,200 D	32	3.7 Q	350 D,Q	330 D,Q	3,969	
	04/13/05	170 D,Q	4.6 Q	15	<3.9	<3.6	<3.6	<4.1	<3.9	<3.3	<4.4	3.8	37	<3.4	2,000 D	33	5.1 Q	170 D,Q	240 E	2,679	
	09/26/05	190 Q	<81	<120	<160	<180	<160	<190	<190	<190	<190	<150	<91	<190	2,800 *	<110	<150	300 Q	250 Q	3,350	
PIEZOMETERS																					
P301	04/14/94	<0.66	<1.60	0.49	0.08	<0.05	<0.08	<0.07	<0.04	<0.05	-	<0.28	0.62	<0.08	<1.10	<0.15	<0.03	<1.20	<0.21	1.2	
	05/11/94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	08/27/02	<0.053	<0.16	0.18	0.21	<0.022	<0.036	<0.087	<0.067	0.090	<0.036	<0.053	<0.025	<0.030	2.7	0.46	<0.13	<0.095	<0.096	3.6	
	08/13/03	Well not sampled - well did not recover after purge																			
	11/22/04	Well abandoned in January 2004 as part of sewer construction activities, not replaced																			
P302 <i>dup (QA/QC 2)</i>	06/24/96	<1.0	<2.0	<0.20	0.1	<0.024	<0.050	<0.20	<0.050	<0.10	-	<0.20	<0.40	<0.10	<1.0	<0.40	<0.20	<1.0	<1.0	nd	
	08/12/96	<1.0	<2.0	<0.20	<0.050	<0.024	<0.050	<0.20	<0.050	<0.10	-	<0.20	<0.40	<0.10	<1.0	<0.40	<0.20	<1.0	<1.0	nd	
	08/27/02	<0.053	<0.16	<0.024	<0.030	<0.022	<0.036	<0.087	<0.067	<0.022	<0.036	<0.053	<0.025	<0.030	<0.067	<0.036	<0.13	<0.095	<0.096	nd	
	08/27/02	<0.053	<0.16	<0.024	<0.030	<0.022	0.20	<0.087	<0.067	<0.022	<0.036	<0.053	<0.025	<0.030	0.18 Q	<0.036	<0.13	<0.095	<0.096	0.2	
	08/13/03	<0.018*	<0.019*	<0.020	0.022 Q	0.030 Q	0.036 Q	0.058	0.025 Q	0.021 Q	0.047 Q	0.020 Q	<0.017*	0.054 Q	0.43 *	<0.016	0.020 Q	<0.018*	<0.017*	0.8	
	11/22/04	<0.019	<0.019	<0.018	<0.020	<0.018	<0.018	<0.021	<0.019	<0.016	<0.022	<0.016	<0.022	<0.017	<0.022	<0.020	<0.016	<0.020	<0.023	nd	
	04/14/05	<0.019	<0.019	<0.018	<0.020	<0.018	<0.018	<0.021	<0.019	<0.016	<0.022	<0.016	<0.022	<0.017	<0.022	<0.020	<0.016	<0.020	<0.023	nd	
09/26/05	<0.0082	<0.0082	<0.012	<0.016	<0.019	<0.016 Z	<0.019	<0.020 Z	<0.019	<0.019	<0.016	<0.0091	<0.019	0.029 Q	<0.011	<0.015	<0.010	0.013 Q	0.04		
P303	06/24/96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	08/12/96	<1.0	<2.0	<0.20	<0.050	<0.024	<0.050	<0.20	<0.050	<0.10	-	<0.20	<0.40	<0.10	<1.0	<0.40	<0.20	<1.0	<1.0	nd	
	08/27/02	<0.053	<0.16	<0.024	0.18	<0.022	<0.036	<0.087	<0.067	0.12	<0.036	<0.053	<0.025	<0.030	<0.067	<0.036	<0.13	<0.095	<0.096	nd	
	08/14/03	<0.018*	0.024 Q*	<0.020	0.048	0.042 Q	0.032 Q	0.025 Q	0.027 Q	0.033 Q	<0.016	0.059	<0.017*	0.022 Q	<0.024	0.034 Q	0.065*	<0.018*	<0.017*	0.4	
	11/22/04	<0.019	0.027 Q	<0.018	0.050 Q	0.041 Q	0.026 Q	0.023 Q	0.030 Q	0.039 Q	<0.022	0.071	<0.022	0.019 Q	<0.022	0.044 Q	0.067	<0.020	<0.023	0.4	
	04/14/05	<0.019	<0.019	<0.018	<0.020	<0.018	<0.018	<0.021	<0.019	<0.016	<0.022	0.027 Q	<0.022	<0.017	<0.022	<0.020	0.027 Q	<0.020	<0.023	0.05	
	09/26/05	0.023 Q	0.074	0.061 Q	0.17	0.16	0.11 Z	0.083 Q	0.10 QZ	0.13	<0.036	0.25	0.027 Q	0.072 Q	<0.023	0.18	0.23	<0.019	<0.021	1.67	



Sample ID	Collection Date	1-Methyl naphthalene	2-Methyl naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (ghi) perylene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
Wisconsin Groundwater Quality Standards (NR 140, January 2007)																			
<u>Preventive Action Limit</u>		NS	NS	NS	NS	600	NS	0.02	0.02	NS	NS	0.02	NS	80	80	NS	10	NS	50
<u>Enforcement Standard</u>		NS	NS	NS	NS	3000	NS	0.2	0.2	NS	NS	0.2	NS	400	400	NS	100	NS	250
EPA Human Health Groundwater Quality Standards																			
<u>Maximum Contaminant Levels (MCL)</u>		NS	NS	NS	NS	NS	NS	0.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes

- 1) Parameters that attain or exceed the EPA Human Health Groundwater Quality Standards (MCL) are shown in bold and underlined.
- 2) If no MCL standard has been established, then parameters that attain or exceed the NR 140 Wisconsin Groundwater Quality Enforcement Standard (ES) are identified in bold and underlined.
- <2.0 : Parameter not detected above the Limit of Detection indicated.
- NS : A groundwater quality standard has not been established for this parameter.
- QC: Quality Control duplicate sample.
- Q: Analyte result has been qualified, see laboratory analytical report for additional information.
- : Analysis not performed.

Table 3 - Groundwater Analytical Results - PAHs

September 2005 Groundwater Quality Update - 1603 Ely Street, Marinette, Wisconsin
 Wisconsin Public Service Corporation - Former Marinette Manufactured Gas Plant Site
 EPA ID# WIN000509952
 BRRTS #: 02-38-000047

Sample Location	Sample Date	Polynuclear Aromatic Hydrocarbon (µg/L)																		Sample Technique	Field Comments	
		Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(ah)anthracene	Fluoranthene	Fluorene	Indeno(123-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	1-Methyl naphthalene	2-Methyl naphthalene			Total PAHs
Preventive Action Limit (PAL)		ns	ns	<u>600</u>	ns	<u>0.02</u>	<u>0.02</u>	ns	ns	<u>0.02</u>	ns	<u>80</u>	<u>80</u>	ns	<u>8</u>	ns	<u>50</u>	ns	ns	ns		
Enforcement Standard (ES)		ns	ns	<u>3,000</u>	ns	<u>0.2</u>	<u>0.2</u>	ns	ns	<u>0.2</u>	ns	<u>400</u>	<u>400</u>	ns	<u>40</u>	ns	<u>250</u>	ns	ns	ns		
P304	06/24/96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	bailer	-
	08/12/96	<1.0	<2.0	<0.20	<0.050	<0.024	<0.050	<0.20	<0.050	<0.10	--	<0.20	<0.40	<0.10	<1.0	<0.40	<0.20	<1.0	<1.0	nd	bailer	-
	08/27/02	<0.053	<0.16	<0.024	<0.030	<0.022	<0.036	<0.087	<0.067	<0.022	<0.036	<0.053	<0.025	<0.030	<0.067	<0.036	<0.13	<0.095	<0.096	nd	bailer	slight MGP type odor
	08/13/03	Not sampled. Well did not recover sufficiently after purge for analysis of PAHs																		bailer	-	
	11/22/04	Insufficient water volume to purge and sample																		bailer	-	
	04/14/05	<0.15	<0.15	<0.13	<0.15	<0.14	<0.14	<0.16	<0.15	<0.12	<0.17	<0.12	<0.16	<0.13	<0.17	<0.15	<0.12	<0.15	<0.17	nd	bailer	insufficient well volume for complete purge
09/26/05	Insufficient water volume to purge and sample for PAHs and cyanide																		bailer	insufficient well volume for complete purge		
P305	11/22/04	0.051 Q	<0.019	<0.018	<0.020	<0.018	<0.018	<0.021	<0.019	<0.016	<0.022	<0.016	<0.022	<0.017	0.025 Q	<0.020	<0.016	<0.020	<0.023	0.1	low flow	-
	04/13/05	<0.019	<0.019	<0.018	<0.020	<0.018	<0.018	<0.021	<0.019	<0.016	<0.022	0.018 Q	<0.022	<0.017	0.026 Q	<0.020	<0.016	<0.020	<0.023	0.04	low flow	-
	09/26/05	9.8 D	1.5 D	0.32 D	0.061	<0.018	<0.016 Z	<0.019	<0.019 Z	<u>0.036 Q</u>	<0.019	0.94 DQ	0.39	<0.019	3.3 D	1.8 D	0.73 DQ	8.4 D	0.050	27.33	low flow	clear, no odor

[U-MJR/JTB 2/05][PAR/RLH 5/05][HMS/JTB12/05]

Notes:

- 1) Concentrations that attain/exceed a PAL are underlined/italicized.
 - 2) Concentrations that attain/exceed an ES are underlined/bold.
- PAHs : Polynuclear aromatic hydrocarbons.
 nd : Not detected.
 ns : Standard has not been established.
 -- : Analysis not performed.
 dup : Field duplicate sample, field identification in parentheses.

- < : Constituent was not identified above the limit of detection indicated.
- D : Laboratory note - Analyte value from diluted analysis.
- E : Laboratory note - Analyte value exceeds calibration range.
- Q : Laboratory note - The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ).
- Z : Laboratory note - This compound was separated but it did not meet the resolution criteria as set forth in SW846.
- & : Laboratory note-Laboratory Control Spike recovery not within control limits.
- * : Laboratory note-precision not within control limits.



APPENDIX C

AUGUST 6, 2007 SITE SURVEY DATA

Marinette MGP Site
Well and Test Boring Locations

Field survey completed August 6, 2007
Marinette County Coordinates
Site BM = 585.85'

<u>Location ID</u>	<u>Northing</u>	<u>Easting</u>	<u>Grd. Elev.</u>	<u>T/Casing</u>	<u>T/PVC</u>
OW-1	149150.14	805376.14	582.60	584.94	585.16
OW-3R	148447.51	805728.48	585.73	585.73	585.57
OW-5	147861.19	805630.43	590.08	592.02	591.78
OW-302	148029.86	805600.03	591.78	595.06	594.97
OW-303	148290.43	805747.19	585.05	585.05	584.63
OW-304	148185.98	805660.81	585.06	587.66	587.78
OW-305	148189.72	805341.13	594.81	597.20	597.36
OW-306	148480.95	805344.16	586.38	586.28	585.82
OW-307R	148820.12	805551.09	584.97	584.98	584.63
OW-308	148611.74	805727.34	586.77	586.85	586.60
OW-310	148714.50	805639.62	585.85	585.85	585.51
OW-311	148612.58	805565.06	585.60	585.60	585.20
PZ-302	148024.30	805582.13	591.40	593.81	594.05
PZ-303	148452.85	805725.61	585.60	587.71	587.76
PZ-304	148473.50	805425.20	585.79	587.85	587.97
PZ-305	148612.46	805734.24	586.89	586.90	586.53

Kory Rentmeester - Surveyor - WPSC
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