NATURAL RESOURCE TECHNOLOGY
ENVIRONMENTAL CONSULTANTS

234 W. FLORIDA STREET, FIFTH FLOOR
MILWAUKEE, WISCONSIN 53204
(P) 414.837.3607
(F) 414.837.3608

FID # 460134950

Mr. Pablo Valentín
United States Environmental Protection Agency, Region 5
77 W. Jackson Boulevard
Mailcode SR-6J
Chicago, IL 60604-3590

March 13, 2014
(1313)

RE: Groundwater Quality Data Transmittal
2013 Groundwater Monitoring Events
Wisconsin Public Service Corporation (WPSC)
Former Campmarina Manufactured Gas Plant Site
Sheboygan, Wisconsin
BRRTS # 02-60-000095 / USEPA # WIN000510058

Dear Mr. Valentín:

On behalf of Integrys Business Support, LLC (IBS) managing WPSC's former Manufactured Gas Plant (MGP) sites, Natural Resource Technology, Inc. (NRT) is providing analytical results from the 2013 groundwater monitoring event performed at the Former Campmarina Manufactured Gas Plant site in Sheboygan, Wisconsin (Figures 1 and 2).

In 2013, groundwater samples and water level measurements were collected on June 11th and December 3rd. All monitoring wells and piezometers including BW-6 were sampled in June and December 2013. Groundwater water level measurements and field geochemical parameters were collected on April 26th and September 3, 2013. Groundwater water levels were collected in April rather than March due to the weather conditions at the site. Groundwater contours for water table and piezometric surface are presented on Figure 3 and 4, respectively.

Groundwater samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX; Table 2), and polynuclear aromatic hydrocarbons (PAH; Table 3) at all wells, as planned. Monitoring also included natural attenuation indicator parameters at select wells (Table 4). Benzene and naphthalene analytical data are presented on Figure 5. Trends in groundwater elevations versus river water elevations are presented in Figure 6. In addition, air samples were collected from the biosparge system sump vent and analyzed for BTEX during the June 2013 sampling event. Analytical results are consistent with the results reported in previous events. The laboratory analytical reports are included as Appendix A.

The annual cap inspection was conducted on June 11, 2013. The cap inspection log is included in Appendix B.

The next sampling event is anticipated in March/April 2014 (Table 5). The 2014 schedule may be modified pending discussions with USEPA on site status. Please contact Mr. Brian Bartoszek (920.433.2643) of IBS or either of the undersigned if you have questions or comments regarding this report.

Sincerely,

NATURAL RESOURCE TECHNOLOGY, INC.

Ricky J. Guenther Jr., PE
Environmental Engineer

Jennifer M. Hagen, PE
Senior Engineer

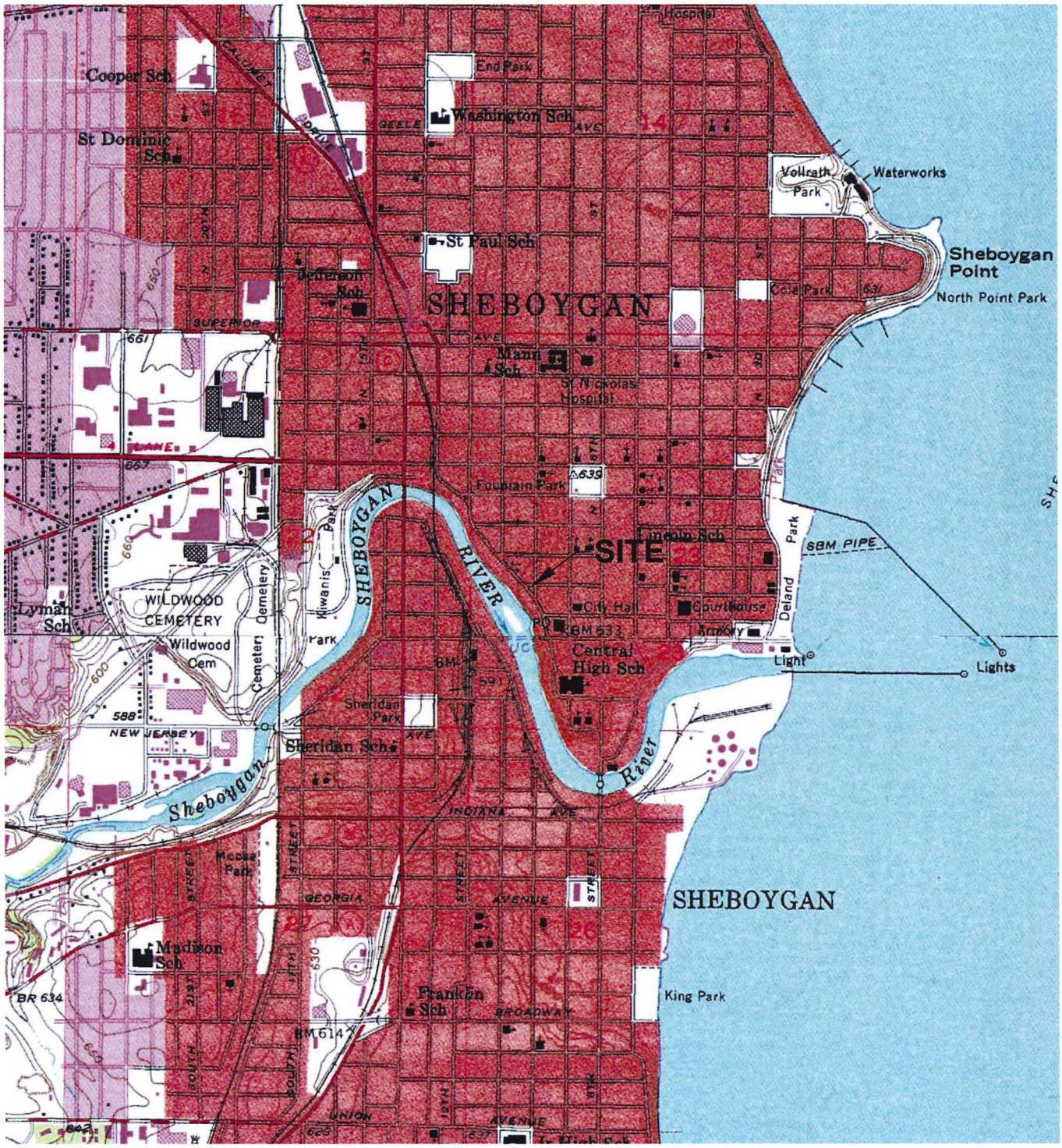
NATURAL RESOURCE TECHNOLOGY

Encls.:

	Figure 1	Site Location Map (1313-4-A01)
	Figure 2	Site Layout (1313-6-B06)
	Figure 3	Water Table Elevation Contours, December 2013 (1313-66-B03)
	Figure 4	Potentiometric Surface Contours, December 2013 (1313-66-B04)
	Figure 5	Groundwater Analytical Summary 2002-2013 (1313-66-B05)
	Figure 6	Groundwater Elevations vs River Water Elevations
	Table 1	Groundwater Elevations and Vertical Gradients
	Table 2	Groundwater Analytical Summary - BTEX (µg/L), and Cyanides (mg/L)
	Table 3	Groundwater Laboratory Analytical Results – PAH (µg/L)
	Table 4	Groundwater Analytical Results - Laboratory and Field Remedial Natural Attenuation (RNA) Parameters
	Table 5	Groundwater Monitoring Schedule (2014)
	Appendix A	Laboratory Analytical Reports and Field Forms
	Appendix B	Cap Inspection Log

cc: Mr. Brian Bartoszek, IBS (electronic copy)
Mr. John Feeney, WDNR – Plymouth (1 copy)
Mark Thimke, Foley & Lardner (cover letter only)

FIGURES



SOURCE: USGS 7.5 MINUTE QUADRANGLE, SHEBOYGAN NORTH. DATED 1954. PHOTOREVISED 1973.

QUADRANGLE LOCATION

N

0 2000 4000

SCALE IN FEET

CONTOUR INTERVAL 10 FEET

SITE LOCATION MAP

NATURAL RESOURCE TECHNOLOGY

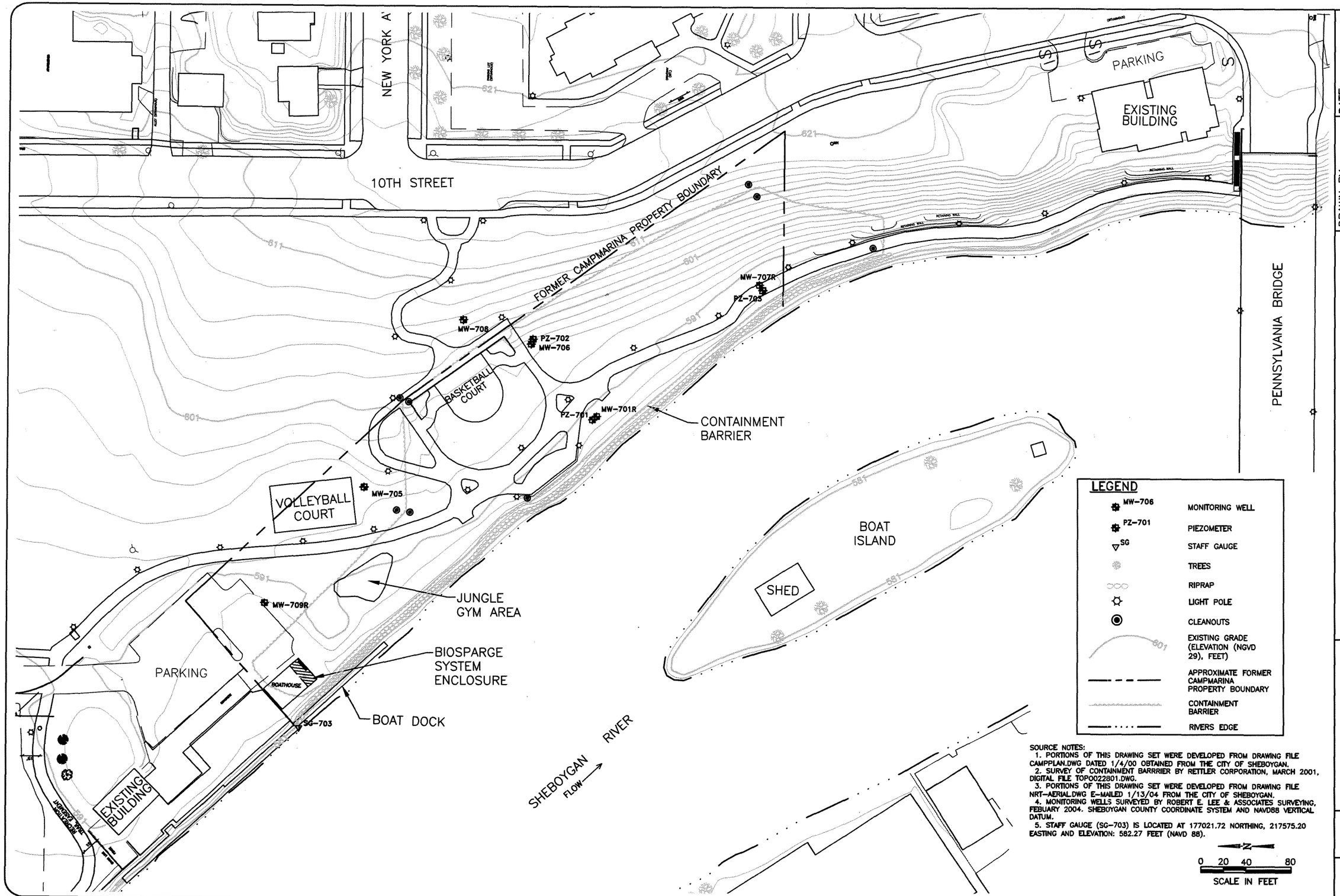
CAMPMARINA AND CENTER AVENUE RIGHT-OF-WAY
WISCONSIN PUBLIC SERVICE CORPORATION
SHEBOYGAN, WISCONSIN

PROJECT NO. 1313

DRAWING NO. 1313-4-A01C

FIGURE NO. 1

DRAWN: KNW 02/09/10 CHK'D: RMN APP'D: HMS DATE: 02/09/10



LEGEND

- MW-706 — MONITORING WELL
- PZ-701 — PIEZOMETER
- SG — STAFF GAUGE
- TREES
- RIPRAP
- LIGHT POLE
- CLEANOUTS
- 601 — EXISTING GRADE (ELEVATION (NGVD 29), FEET)
- APPROXIMATE FORMER CAMPMARINA PROPERTY BOUNDARY
- CONTAINMENT BARRIER
- RIVERS EDGE

SOURCE NOTES:

1. PORTIONS OF THIS DRAWING SET WERE DEVELOPED FROM DRAWING FILE CAMPPLAN.DWG DATED 1/4/00 OBTAINED FROM THE CITY OF SHEBOYGAN.
2. SURVEY OF CONTAINMENT BARRRIER BY RETTLER CORPORATION, MARCH 2001, DIGITAL FILE TOPO022801.DWG.
3. PORTIONS OF THIS DRAWING SET WERE DEVELOPED FROM DRAWING FILE NRT-AERIAL.DWG E-MAILED 1/13/04 FROM THE CITY OF SHEBOYGAN.
4. MONITORING WELLS SURVEYED BY ROBERT E. LEE & ASSOCIATES SURVEYING, FEBUARY 2004. SHEBOYGAN COUNTY COORDINATE SYSTEM AND NAVD88 VERTICAL DATUM.
5. STAFF GAUGE (SG-703) IS LOCATED AT 177021.72 NORTHING, 217575.20 EASTING AND ELEVATION: 582.27 FEET (NAVD 88).

0 20 40 80
SCALE IN FEET

SITE LAYOUT

GROUNDWATER QUALITY DATA TRANSMITTAL
CAMPMARINA FORMER MGP SITE
WISCONSIN PUBLIC SERVICE CORPORATION
SHEBOYGAN, WISCONSIN

DRAWN BY:	BJK	DATE: 02/18/14
CHECKED BY:	RJG	DATE: 02/18/14
APPROVED BY:	JMH	DATE: 02/21/14

DRAWING NO: 1313-68-B06
REFERENCE: .

NATURAL RESOURCE TECHNOLOGY

PROJECT NO.
1313/6.8

FIGURE NO.
2

WATER TABLE ELEVATION CONTOURS
DECEMBER 2013

GROUNDWATER QUALITY DATA TRANSMITTAL
CAMPMARINA FORMER MGP SITE
WISCONSIN PUBLIC SERVICE CORPORATION
CITY OF SHEBOYGAN, WISCONSIN

DRAWN BY:	RLH/AGC	DATE:	02/18/14
CHECKED BY:	RJG	DATE:	02/18/14
APPROVED BY:	JMH	DATE:	02/21/14
DRAWING NO:	1313-68-B03C		
REFERENCE:			

NATURAL RESOURCE TECHNOLOGY

PROJECT NO.
1313/6.8

FIGURE NO.
3

10TH STREET

NEW YORK AVE (UNNAMED)

FORMER CAMPMARINA PROPERTY BOUNDARY

RETAINING WALL

SHEBOYGAN RIVER FLOW

MW-707R 583.18

MW-708 594.44

MW-706 585.36

PZ-702

PZ-703

MW-701R 583.94

PZ-701

MW-705 586.55

MW-709R 582.11

SG-703 577.20

BW-01 BW-02 BW-03 BW-04 BW-05 BW-06 BW-07 BW-08 BW-09 BW-10 BW-11 BW-12 BW-13 BW-14 BW-15 BW-16 BW-17 BW-18

591 592 593 594 590 589 588 587 586 585 584 583

1' WIDE CONC. WALL

CONCRETE

CONTAINMENT BARRIER

BIOSPARGE SYSTEM ENCLOSURE

BOATHOUSE

BOAT DOCK

JUNGLE GYM AREA

BOAT ISLAND

SHED

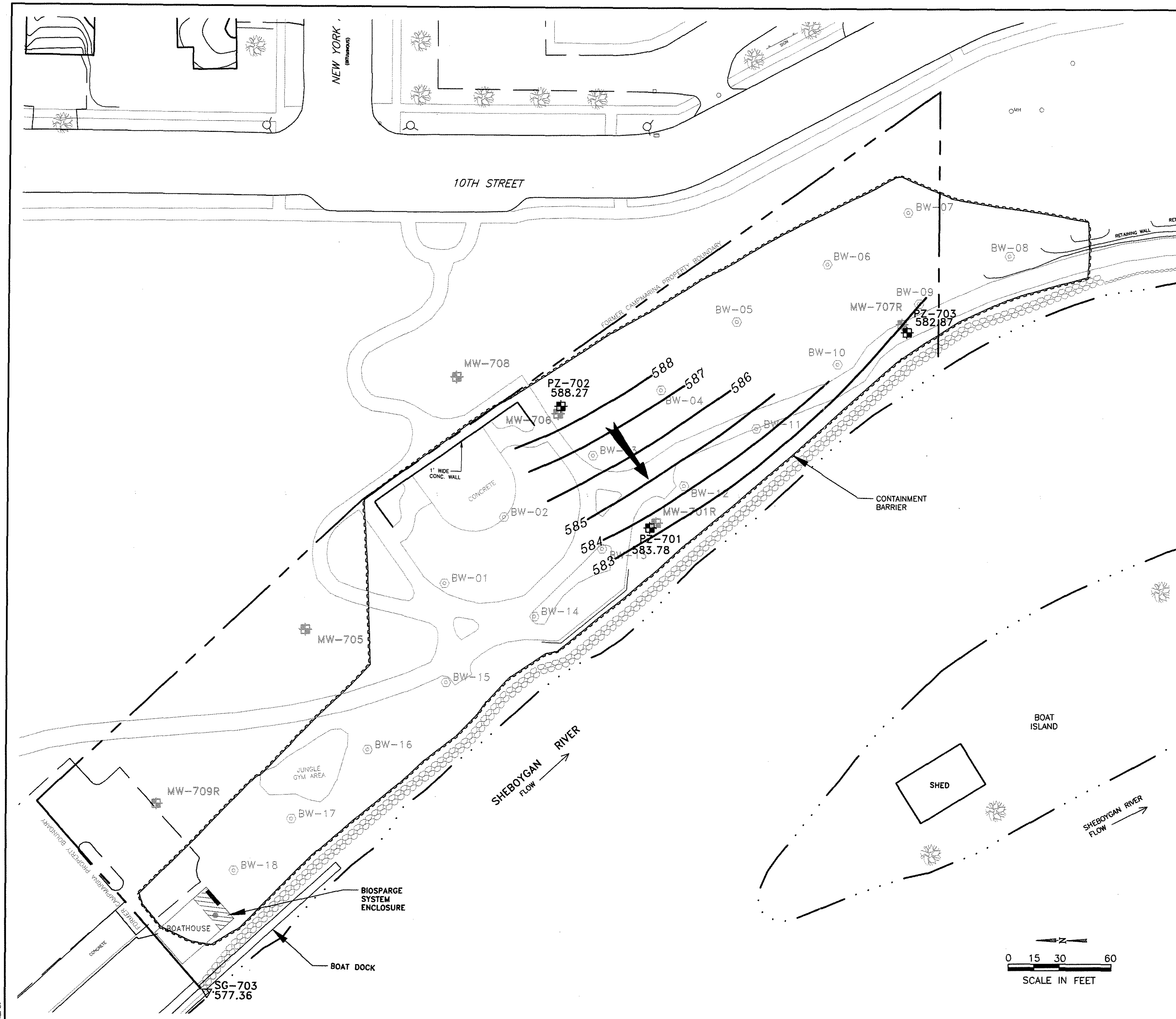
584	WATER TABLE ELEVATION CONTOUR, FT.
	GROUNDWATER FLOW DIRECTION
MW-706 585.16	MONITORING WELL AND WATER TABLE ELEVATION, FT.
SG-703 577.36	STAFF GAUGE AND WATER TABLE ELEVATION, FT.
PZ-701	PIEZOMETER
BW-01	BIOSPARGE WELL
	RIPRAP
	APPROXIMATE FORMER CAMPMARINA PROPERTY BOUNDARY
	CONTAINMENT BARRIER
	SANITARY/STORM MANHOLE

0 15 30 60
SCALE IN FEET

NOTE:
1. BIOSPARGE SYSTEM BEGAN OPERATING ON 11/07/02

SOURCE NOTES:
1. PORTIONS OF THIS DRAWING SET WERE DEVELOPED FROM DRAWING FILE CAMPPLAN.DWG DATED 1/4/00 OBTAINED FROM THE CITY OF SHEBOYGAN.
2. SURVEY OF CONTAINMENT BARRRIER BY RETTLER CORPORATION, MARCH 2001, DIGITAL FILE TOPO022B01.DWG.
3. PORTIONS OF THIS DRAWING SET WERE DEVELOPED FROM DRAWING FILE NRT-AERIAL.DWG E-MAILED 1/13/04 FROM THE CITY OF SHEBOYGAN.
4. MONITORING WELLS SURVEYED BY ROBERT E. LEE & ASSOCIATES SURVEYING, FEBUARY 2004. SHEBOYGAN COUNTY COORDINATE SYSTEM AND NAVD88 VERTICAL DATUM.

Feb 25, 2014 2:26pm PLOTTED BY: acawse SAVED BY: cad-ra
Y:\ACADdata\Projects\13\1313\6-B\1313-6B-B03.dwg Layout1
IMAGES: Y:\ACADdata\Projects\13\1313\6\hms10001.tif;
XREFS:



Symbol	Description
584	POTENTIOMETRIC ELEVATION CONTOUR, FT.
	GROUNDWATER FLOW DIRECTION
MW-706	MONITORING WELL AND WATER TABLE ELEVATION, FT.
SG-703 577.36	STAFF GAUGE AND WATER TABLE ELEVATION, FT.
PZ-701 582.98	PIEZOMETER AND POTENTIOMETRIC ELEVATION, FT.
BW-01	BIOSPARGE WELL
	RIPRAP
	APPROXIMATE FORMER CAMPMARINA PROPERTY BOUNDARY
	CONTAINMENT BARRIER
	SANITARY/STORM MANHOLE

NOTE:
1. BIOSPARGE SYSTEM BEGAN OPERATING ON 11/07/02

SOURCE NOTES:
1. PORTIONS OF THIS DRAWING SET WERE DEVELOPED FROM DRAWING FILE CAMPPLAN.DWG DATED 1/4/00 OBTAINED FROM THE CITY OF SHEBOYGAN.
2. SURVEY OF CONTAINMENT BARRRIER BY RETTLER CORPORATION, MARCH 2001, DIGITAL FILE TOPO022801.DWG.
3. PORTIONS OF THIS DRAWING SET WERE DEVELOPED FROM DRAWING FILE NRT-AERIAL.DWG E-MAILED 1/13/04 FROM THE CITY OF SHEBOYGAN.
4. MONITORING WELLS SURVEYED BY ROBERT E. LEE & ASSOCIATES SURVEYING, FEBUARY 2004. SHEBOYGAN COUNTY COORDINATE SYSTEM AND NAVD88 VERTICAL DATUM.

DRAWN BY: RLH/AGC DATE: 02/18/14
CHECKED BY: RJG DATE: 02/18/14
APPROVED BY: JMH DATE: 02/21/14
DRAWING NO: 1313-68-B04C
REFERENCE: .

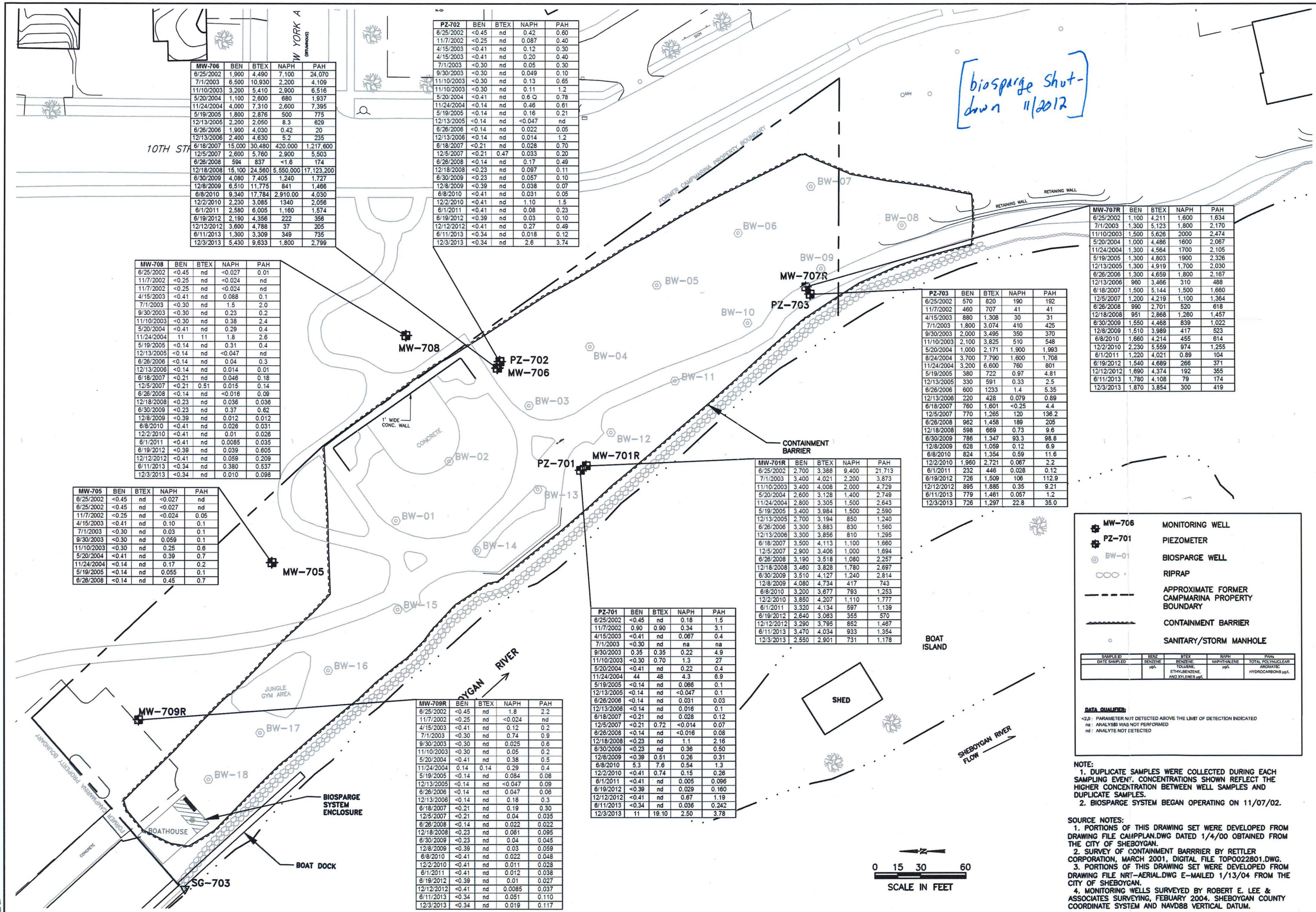
POTENTIOMETRIC SURFACE CONTOURS DECEMBER 2013

GROUNDWATER QUALITY DATA TRANSMITTAL
CAMPMARINA FORMER MGP SITE
WISCONSIN PUBLIC SERVICE CORPORATION
CITY OF SHEBOYGAN, WISCONSIN

NATURAL RESOURCE TECHNOLOGY

PROJECT NO.
1313/6.8

FIGURE NO.
4



MW-706	BEN	BTEX	NAPH	PAH
6/25/2002	1,900	4,490	7,100	24,070
7/1/2003	6,500	10,930	2,200	4,109
11/10/2003	3,200	5,410	2,900	6,516
5/20/2004	1,100	2,600	680	1,937
11/24/2004	4,000	7,310	2,600	7,395
5/19/2005	1,800	2,876	500	775
12/13/2005	2,200	2,050	8.3	629
6/26/2006	1,900	4,030	0.42	20
12/13/2006	2,400	4,630	5.2	235
6/18/2007	15,000	30,480	420,000	1,217,600
12/5/2007	2,600	5,760	2,900	5,503
6/26/2008	594	837	<1.6	174
12/18/2008	15,100	24,560	5,550,000	17,123,200
6/30/2009	4,080	7,405	1,240	1,727
12/8/2009	6,510	11,775	841	1,466
6/8/2010	9,340	17,784	2,910.00	4,030
12/2/2010	2,230	3,085	1340	2,056
6/1/2011	2,580	6,005	1,160	1,574
6/19/2012	2,190	4,356	222	356
12/12/2012	3,600	4,788	37	205
6/11/2013	1,300	3,309	349	735
12/3/2013	5,430	9,633	1,800	2,799

PZ-702	BEN	BTEX	NAPH	PAH
6/25/2002	<0.45	nd	0.42	0.60
11/7/2002	<0.25	nd	0.087	0.40
4/15/2003	<0.41	nd	0.12	0.30
4/15/2003	<0.41	nd	0.20	0.40
7/1/2003	<0.30	nd	0.05	0.30
9/30/2003	<0.30	nd	0.049	0.10
11/10/2003	<0.30	nd	0.13	0.65
11/10/2003	<0.30	nd	0.11	1.2
5/20/2004	<0.41	nd	0.6 Q	0.78
11/24/2004	<0.14	nd	0.46	0.61
5/19/2005	<0.14	nd	0.16	0.21
12/13/2005	<0.14	nd	<0.047	nd
6/26/2006	<0.14	nd	0.022	0.05
12/13/2006	<0.14	nd	0.014	1.2
6/18/2007	<0.21	nd	0.028	0.70
12/5/2007	<0.21	0.47	0.033	0.20
6/26/2008	<0.14	nd	0.17	0.49
12/18/2008	<0.23	nd	0.097	0.11
6/30/2009	<0.23	nd	0.057	0.10
12/8/2009	<0.39	nd	0.038	0.07
6/8/2010	<0.41	nd	0.031	0.05
12/2/2010	<0.41	nd	1.10	1.5
6/1/2011	<0.41	nd	0.08	0.23
6/19/2012	<0.39	nd	0.03	0.10
12/12/2012	<0.41	nd	0.27	0.49
6/11/2013	<0.34	nd	0.018	0.12
12/3/2013	<0.34	nd	2.6	3.74

MW-708	BEN	BTEX	NAPH	PAH
6/25/2002	<0.45	nd	<0.027	0.01
11/7/2002	<0.25	nd	<0.024	nd
11/7/2002	<0.25	nd	<0.024	nd
4/15/2003	<0.41	nd	0.088	0.1
7/1/2003	<0.30	nd	1.5	2.0
9/30/2003	<0.30	nd	0.23	0.2
11/10/2003	<0.30	nd	0.38	2.4
5/20/2004	<0.41	nd	0.29	0.4
11/24/2004	11	11	1.8	2.6
5/19/2005	<0.14	nd	0.31	0.4
12/13/2005	<0.14	nd	<0.047	nd
6/26/2006	<0.14	nd	0.04	0.3
12/13/2006	<0.14	nd	0.014	0.01
6/18/2007	<0.21	nd	0.046	0.18
12/5/2007	<0.21	0.51	0.015	0.14
6/26/2008	<0.14	nd	<0.016	0.09
12/18/2008	<0.23	nd	0.036	0.036
6/30/2009	<0.23	nd	0.37	0.62
12/8/2009	<0.39	nd	0.012	0.012
6/8/2010	<0.41	nd	0.026	0.031
12/2/2010	<0.41	nd	0.01	0.026
6/1/2011	<0.41	nd	0.0085	0.035
6/19/2012	<0.39	nd	0.039	0.605
12/12/2012	<0.41	nd	0.059	0.209
6/11/2013	<0.34	nd	0.380	0.537
12/3/2013	<0.34	nd	0.010	0.098

MW-705	BEN	BTEX	NAPH	PAH
6/25/2002	<0.45	nd	<0.027	nd
6/25/2002	<0.45	nd	<0.027	nd
11/7/2002	<0.25	nd	<0.024	0.05
4/15/2003	<0.41	nd	0.10	0.1
7/1/2003	<0.30	nd	0.03	0.1
9/30/2003	<0.30	nd	0.059	0.1
11/10/2003	<0.30	nd	0.25	0.6
5/20/2004	<0.41	nd	0.39	0.7
11/24/2004	<0.14	nd	0.17	0.2
5/19/2005	<0.14	nd	0.055	0.1
6/26/2008	<0.14	nd	0.45	0.7

MW-707R	BEN	BTEX	NAPH	PAH
6/25/2002	1,100	4,211	1,600	1,634
7/1/2003	1,300	5,123	1,800	2,170
11/10/2003	1,500	5,626	2000	2,474
5/20/2004	1,000	4,486	1600	2,067
11/24/2004	1,300	4,564	1700	2,105
5/19/2005	1,300	4,803	1900	2,326
12/13/2005	1,300	4,919	1,700	2,030
6/26/2006	1,300	4,659	1,800	2,167
12/13/2006	960	3,466	310	488
6/18/2007	1,500	5,144	1,500	1,660
12/5/2007	1,200	4,219	1,100	1,364
6/26/2008	990	2,701	520	618
12/18/2008	951	2,868	1,260	1,457
6/30/2009	1,550	4,468	839	1,022
12/8/2009	1,510	3,989	417	523
6/8/2010	1,660	4,214	455	614
12/2/2010	2,230	5,559	974	1,255
6/1/2011	1,220	4,021	0.89	104
6/19/2012	1,540	4,689	266	371
12/12/2012	1,690	4,374	192	355
6/11/2013	1,780	4,108	79	174
12/3/2013	1,870	3,854	300	419

PZ-703	BEN	BTEX	NAPH	PAH
6/25/2002	570	820	190	192
11/7/2002	460	707	41	41
4/15/2003	880	1,308	30	31
7/1/2003	1,800	3,074	410	425
9/30/2003	2,000	3,495	350	370
11/10/2003	2,100	3,825	510	548
5/20/2004	1,000	2,171	1,900	1,993
8/24/2004	3,700	7,790	1,600	1,708
11/24/2004	3,200	6,600	760	801
5/19/2005	380	722	0.97	4.81
12/13/2005	330	591	0.33	2.5
6/26/2006	600	1233	1.4	5.35
12/13/2006	220	428	0.079	0.89
6/18/2007	760	1,601	<0.25	4.4
12/5/2007	770	1,265	120	136.2
6/26/2008	962	1,458	189	205
12/18/2008	598	669	0.73	9.6
6/30/2009	786	1,347	93.3	98.8
12/8/2009	628	1,059	0.12	6.9
6/8/2010	824	1,354	0.59	11.6
12/2/2010	1,960	2,721	0.067	2.2
6/1/2011	232	446	0.028	0.12
6/19/2012	726	1,509	106	112.9
12/12/2012	895	1,885	0.35	9.21
6/11/2013	779	1,461	0.057	1.2
12/3/2013	726	1,297	22.8	35.0

MW-701R	BEN	BTEX	NAPH	PAH
6/25/2002	2,700	3,388	9,400	21,713
7/1/2003	3,400	4,021	2,200	3,873
11/10/2003	3,400	4,008	2,000	4,729
5/20/2004	2,600	3,128	1,400	2,749
11/24/2004	2,800	3,305	1,500	2,643
5/19/2005	3,400	3,984	1,500	2,590
12/13/2005	2,700	3,194	850	1,240
6/26/2006	3,300	3,883	830	1,560
12/13/2006	3,300	3,856	810	1,295
6/18/2007	3,500	4,113	1,100	1,660
12/5/2007	2,900	3,406	1,000	1,694
6/26/2008	3,190	3,518	1,080	2,257
12/18/2008	3,460	3,828	1,780	2,697
6/30/2009	3,510	4,127	1,240	2,814
12/8/2009	4,080	4,734	417	743
6/8/2010	3,200	3,677	793	1,253
12/2/2010	3,850	4,207	1,110	1,777
6/1/2011	3,320	4,134	597	1,139
6/19/2012	2,640	3,063	355	570
12/12/2012	3,290	3,795	852	1,467
6/11/2013	3,470	4,034	933	1,354
12/3/2013	2,550	2,901	731	1,178

PZ-701	BEN	BTEX	NAPH	PAH
6/25/2002	<0.45	nd	0.18	1.5
11/7/2002	0.90	0.90	0.34	3.1
4/15/2003	<0.41	nd	0.067	0.4
7/1/2003	<0.30	nd	na	na
9/30/2003	0.35	0.35	0.22	4.9
11/10/2003	<0.30	0.70	1.3	27
5/20/2004	<0.41	nd	0.22	0.4
11/24/2004	44	48	4.3	6.9
5/19/2005	<0.14	nd	0.066	0.1
12/13/2005	<0.14	nd	<0.047	0.1
6/26/2006	<0.14	nd	0.031	0.03
12/13/2006	<0.14	nd	0.016	0.1
6/18/2007	<0.21	nd	0.028	0.12
12/5/2007	<0.21	0.72	<0.014	0.07
6/26/2008	<0.14	nd	<0.016	0.08
12/18/2008	<0.23	nd	1.1	2.16
6/30/2009	<0.23	nd	0.36	0.50
12/8/2009	<0.39	0.51	0.26	0.31
6/8/2010	5.3	7.6	0.54	1.3
12/2/2010	<0.41	0.74	0.15	0.26
6/1/2011	<0.41	nd	0.005	0.096
6/19/2012	<0.39	nd	0.029	0.160
12/12/2012	<0.41	nd	0.67	1.19
6/11/2013	<0.34	nd	0.036	0.242
12/3/2013	11	19.10	2.50	3.78

MW-709R	BEN	BTEX	NAPH	PAH
6/25/2002	<0.45	nd	1.8	2.2
11/7/2002	<0.25	nd	<0.024	nd
4/15/2003	<0.41	nd	0.12	0.2
7/1/2003	<0.30	nd	0.74	0.9
9/30/2003	<0.30	nd	0.025	0.6
11/10/2003	<0.30	nd	0.05	0.2
5/20/2004	<0.41	nd	0.38	0.5
11/24/2004	0.14	0.14	0.29	0.4
5/19/2005	<0.14	nd	0.084	0.08
12/13/2005	<0.14	nd	<0.047	0.09
6/26/2006	<0.14	nd	0.047	0.06
12/13/2006	<0.14	nd	0.18	0.3
6/18/2007	<0.21	nd	0.19	0.30
12/5/2007	<0.21	nd	0.04	0.035
6/26/2008	<0.14	nd	0.022	0.022
12/18/2008	<0.23	nd	0.061	0.095
6/30/2009	<0.23	nd	0.04	0.045
12/8/2009	<0.39	nd	0.03	0.059
6/8/2010	<0.41	nd	0.022	0.048
12/2/2010	<0.41	nd	0.011	0.028
6/1/2011	<0.41	nd	0.012	0.038
6/19/2012	<0.39	nd	0.01	0.027
12/12/2012	<0.41	nd	0.0085	0.037
6/11/2013	<0.34	nd	0.051	0.110
12/3/2013	<0.34	nd	0.019	0.117

MW-706 MONITORING WELL
PZ-701 PIEZOMETER
BW-01 BIOSPARGE WELL
RIPRAP
APPROXIMATE FORMER CAMPMARINA PROPERTY BOUNDARY
CONTAINMENT BARRIER
SANITARY/STORM MANHOLE

SAMPLE ID	BENZ	BTEX	NAPH	PAHs
DATE SAMPLED	BENZENE	BENZENE,	NAPHTHALENE	TOTAL POLYNUCLEAR
	μg/L	TOLUENE, ETHYLBENZENE, AND XYLENES μg/L	μg/L	AROMATIC HYDROCARBONS μg/L

DATA QUALIFIER:

<2.0 : PARAMETER NOT DETECTED ABOVE THE LIMIT OF DETECTION INDICATED
na : ANALYSIS WAS NOT PERFORMED
nd : ANALYTE NOT DETECTED

NOTE:
1. DUPLICATE SAMPLES WERE COLLECTED DURING EACH SAMPLING EVENT. CONCENTRATIONS SHOWN REFLECT THE HIGHER CONCENTRATION BETWEEN WELL SAMPLES AND DUPLICATE SAMPLES.
2. BIOSPARGE SYSTEM BEGAN OPERATING ON 11/07/02.

SOURCE NOTES:
1. PORTIONS OF THIS DRAWING SET WERE DEVELOPED FROM DRAWING FILE CAMPPLAN.DWG DATED 1/4/00 OBTAINED FROM THE CITY OF SHEBOYGAN.
2. SURVEY OF CONTAINMENT BARRRIER BY RETTLER CORPORATION, MARCH 2001, DIGITAL FILE TOPO022801.DWG.
3. PORTIONS OF THIS DRAWING SET WERE DEVELOPED FROM DRAWING FILE NRT-AERIAL.DWG E-MAILED 1/13/04 FROM THE CITY OF SHEBOYGAN.
4. MONITORING WELLS SURVEYED BY ROBERT E. LEE & ASSOCIATES SURVEYING, FEBUARY 2004. SHEBOYGAN COUNTY COORDINATE SYSTEM AND NAVD88 VERTICAL DATUM.

DRAWN BY: RLH/AGC DATE: 02/18/14
CHECKED BY: RJG DATE: 02/18/14
APPROVED BY: JMH DATE: 02/21/14
DRAWING NO: 1313-68-B05C
REFERENCE: .

GROUNDWATER ANALYTICAL SUMMARY 2002-2013

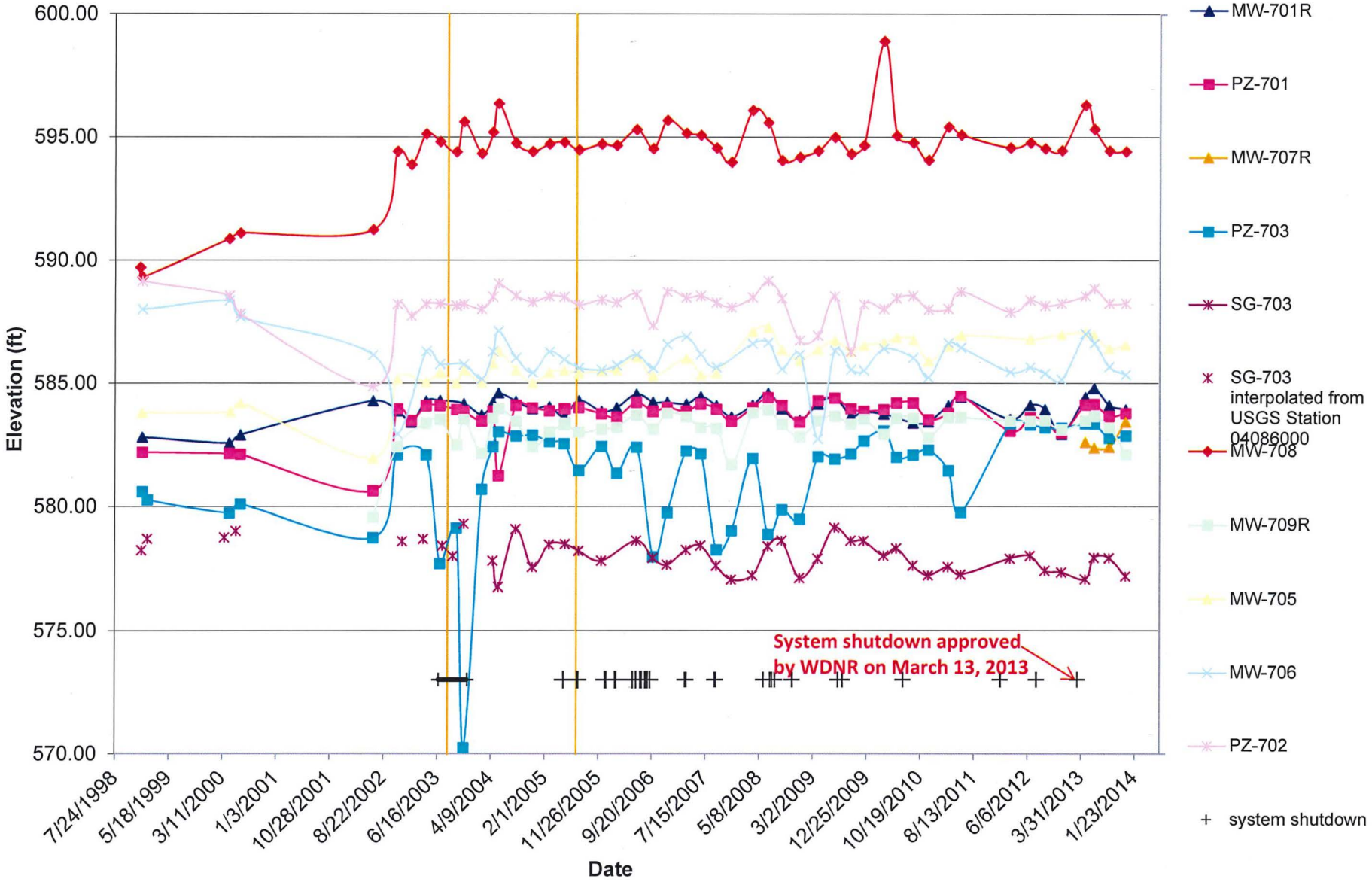
GROUNDWATER QUALITY DATA TRANSMITTAL
CAMPMARINA FORMER MGP SITE
WISCONSIN PUBLIC SERVICE CORPORATION
CITY OF SHEBOYGAN, WISCONSIN

NATURAL RESOURCE TECHNOLOGY

PROJECT NO. 1313/6.8

FIGURE NO. 5

Figure 6. Groundwater Elevations vs River Water Elevations
Wisconsin Public Service - Campmarina Former MGP Site
Sheboygan, WI



TABLES

Table 1. Groundwater Elevations and Vertical Gradients
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
Sheboygan, WI

Monitoring Location	Ground Surface Elevation (feet)	Top of PVC Elevation (feet)	Total Well Depth (feet)	Screen Length (feet)	Top of Screen Elevation (feet)	Middle of Screen Elevation (feet)	Monitoring Date	Depth to Water (feet)	Groundwater Elevation (feet)	Change in head (feet)	Change in distance (feet)	Vertical Gradient	Direction
MW-701	588.97	588.51	13.4	10	585.11		8/14/1995	5.51	583.00	7.38	27.63	2.67E-01	downward
							8/20/1995	5.63	582.88	9.14	27.51	3.32E-01	downward
							9/25/1995	5.58	582.93	10.30	27.56	3.74E-01	downward
							12/21/1998	5.72	582.79	0.60	27.42	2.19E-02	downward
							4/18/2000	5.95	582.56	0.42	27.19	1.54E-02	downward
							6/19/2000	5.62	582.89	0.78	27.52	2.83E-02	downward
							Well Replaced	--	--				
MW-701R		590.47	10.80	5	584.67		6/25/2002	6.20	584.27	3.64	28.90	1.26E-01	downward
							11/7/2002	6.60	583.87	-0.08	28.50	-2.81E-03	upward
							1/24/2003	7.06	583.41	-0.06	28.04	-2.14E-03	upward
							4/15/2003	6.21	584.26	0.19	28.89	6.58E-03	downward
							7/1/2003	6.18	584.29	0.21	28.92	7.26E-03	downward
							11/10/2003	6.31	584.16	0.32	28.79	1.11E-02	downward
	590.43	590.23	10.56	5	584.67		2/17/2004	6.53	583.70	0.25	28.33	8.82E-03	downward
							4/20/2004	6.02	584.21	0.36	28.84	1.25E-02	downward
							5/20/2004	5.63	584.60	3.36	29.23	1.15E-01	downward
							8/24/2004	5.98	584.25	0.15	28.88	5.19E-03	
							11/24/2004	6.28	583.95	-0.04	28.58	-1.40E-03	upward
							2/25/2005	6.19	584.04	0.16	28.67	5.58E-03	downward
							5/19/2005	6.61	583.62	-0.34	28.25	-1.20E-02	upward
							8/9/2005	5.95	584.28	0.28	28.91	9.69E-03	downward
							12/13/2005	6.38	583.85	0.10	28.48	3.51E-03	downward
							3/7/2006	6.23	584.00	0.39	28.63	1.36E-02	downward
							6/26/2006	5.68	584.55	0.34	29.18	1.17E-02	downward
							9/26/2006	6.01	584.22	0.37	28.85	1.28E-02	downward
							12/13/2006	6.01	584.22	0.21	28.85	7.28E-03	downward
							3/29/2007	6.08	584.15	0.30	28.78	1.04E-02	downward
							6/18/2007	5.78	584.45	0.30	29.08	1.03E-02	downward
							9/13/2007	6.15	584.08	0.14	28.71	4.88E-03	downward
	590.24	590.04	10.37	5	584.67		12/6/2007	6.41	583.63	0.18	28.26	6.37E-03	downward
							4/1/2008	5.94	584.10	0.10	28.73	3.48E-03	downward
							6/26/2008	5.44	584.60	0.18	29.23	6.16E-03	downward
							9/11/2008	6.09	583.95	-0.15	28.58	-5.25E-03	upward
							12/18/2008	6.55	583.49	0.07	28.12	2.49E-03	downward
							3/30/2009	5.89	584.15	-0.13	28.78	-4.52E-03	upward
							6/30/2009	5.64	584.40	0.00	29.03	0.00E+00	
							9/29/2009	6.36	583.68	-0.28	28.31	-9.89E-03	upward
							12/8/2009	6.23	583.81	-0.06	28.44	-2.11E-03	upward
							3/30/2010	6.30	583.74	-0.19	28.37	-6.70E-03	upward
							6/8/2010	nm	nm	nm	nm	nm	nm
							9/8/2010	6.65	583.39	-0.81	28.02	-2.89E-02	upward
							12/2/2010	6.61	583.43	-0.09	28.06	-3.21E-03	upward
							3/22/2011	5.95	584.09	0.31	28.72	1.08E-02	upward
							6/1/2011	5.60	584.44	-0.04	29.07	-1.38E-03	upward
							3/1/2012	6.50	583.54	0.48	28.17	1.70E-02	upward
							6/19/2012	5.92	584.12	0.51	28.75	1.77E-02	upward
							9/10/2012	6.10	583.94	0.46	28.57	1.61E-02	upward
							12/12/2012	7.10	582.94	-0.04	27.57	-1.45E-03	upward
							4/23/2013	5.60	584.44	0.31	29.07	1.07E-02	upward
							6/11/2013	5.23	584.81	0.65	29.44	2.21E-02	upward
							9/3/2013	5.93	584.11	0.44	28.74	1.53E-02	upward
							12/3/2013	6.10	583.94	0.16	28.57	5.60E-03	upward

Table 1. Groundwater Elevations and Vertical Gradients
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
Sheboygan, WI

Monitoring Location	Ground Surface Elevation (feet)	Top of PVC Elevation (feet)	Total Well Depth (feet)	Screen Length (feet)	Top of Screen Elevation (feet)	Middle of Screen Elevation (feet)	Monitoring Date	Depth to Water (feet)	Groundwater Elevation (feet)	Change in head (feet)	Change in distance (feet)	Vertical Gradient	Direction
PZ-701	589.28	588.89	36.02	5	557.87	555.37	8/14/1995	13.27	575.62				
							8/20/1995	15.15	573.74				
							9/25/1995	16.26	572.63				
							12/21/1998	6.70	582.19				
							4/18/2000	6.75	582.14				
							6/19/2000	6.78	582.11				
		590.53	37.66	5	557.87	555.37	6/25/2002	9.90	580.63				
							11/7/2002	6.58	583.95				
							1/24/2003	7.06	583.47				
							4/15/2003	6.46	584.07				
							7/1/2003	6.45	584.08				
							9/30/2003	6.61	583.92				
							11/10/2003	6.69	583.84				
	590.45	590.25	37.38	5	557.87	555.37	2/17/2004	6.80	583.45				
							4/20/2004	6.40	583.85				
							5/20/2004	9.01	581.24				
							8/24/2004	6.15	584.10				
							11/24/2004	6.26	583.99				
							2/25/2005	6.37	583.88				
							5/19/2005	6.29	583.96				
							5/25/2005	6.30	583.95				
							8/9/2005	6.25	584.00				
							12/13/2005	6.50	583.75				
							3/7/2006	6.64	583.61				
							6/26/2006	6.04	584.21				
							9/26/2006	6.40	583.85				
							12/13/2006	6.24	584.01				
							3/29/2007	6.40	583.85				
							6/18/2007	6.10	584.15				
							9/13/2007	6.31	583.94				
	590.28	590.08	37.21	5	557.87	555.37	12/6/2007	6.63	583.45				
							4/1/2008	6.08	584.00				
							6/26/2008	5.66	584.42				
							9/11/2008	5.98	584.10				
							12/18/2008	6.66	583.42				
							3/30/2009	5.80	584.28				
							6/30/2009	5.68	584.40				
							9/29/2009	6.12	583.96				
							12/8/2009	6.21	583.87				
							3/30/2010	6.15	583.93				
							6/8/2010	5.88	584.20				
							9/8/2010	5.88	584.20				
							12/2/2010	6.56	583.52				
							3/22/2011	6.30	583.78				
							6/1/2011	5.60	584.48				
							3/1/2012	7.02	583.06				
							6/19/2012	6.47	583.61				
							9/10/2012	6.60	583.48				
							12/12/2012	7.10	582.98				
							4/23/2013	5.95	584.13				
							6/11/2013	5.92	584.16				
							9/3/2013	6.41	583.67				
							12/3/2013	6.30	583.78				
MW-702	590.39	590.09	13.40	10	586.69		8/14/1995	4.86	585.23				
							8/20/1995	4.69	585.40				
							9/25/1995	4.88	585.21				
							12/21/1998	4.83	585.26				
							4/18/2000	4.52	585.57				
							6/19/2000	2.68	587.41				
							Abandoned Monitoring Well						
MW-703	589.16	588.80	13.46	10	585.34		8/14/1995	5.63	583.17				
							8/20/1995	5.69	583.11				
							9/25/1995	5.74	583.06				
							12/21/1998	5.7	583.10				
							4/18/2000	5.99	582.81				
							6/19/2000	5.56	583.24				
							Abandoned Monitoring Well						

Table 1. Groundwater Elevations and Vertical Gradients
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
Sheboygan, WI

Monitoring Location	Ground Surface Elevation (feet)	Top of PVC Elevation (feet)	Total Well Depth (feet)	Screen Length (feet)	Top of Screen Elevation (feet)	Middle of Screen Elevation (feet)	Monitoring Date	Depth to Water (feet)	Groundwater Elevation (feet)	Change in head (feet)	Change in distance (feet)	Vertical Gradient	Direction
MW-704	589.43	589.05	13.20	10	585.85		8/14/1995	5.93	583.12				
							8/20/1995	5.96	583.09				
							9/25/1995	6.00	583.05				
							12/21/1998	5.63	583.42				
							4/18/2000	5.64	583.41				
							6/19/2000	5.62	583.43				
							Abandoned Monitoring Well						
MW-705	590.22	589.91	16.66	10	583.25		8/14/1995	6.95	582.96				
							8/20/1995	6.07	583.84				
							9/25/1995	6.09	583.82				
							12/21/1998	6.14	583.77				
							4/25/2000	6.11	583.80				
							6/19/2000	5.74	584.17				
	593.57	592.20	18.95	10	583.25		6/25/2002	10.27	581.93				
							11/7/2002	7.05	585.15				
							4/15/2003	7.17	585.03				
							7/1/2003	6.80	585.40				
							9/30/2003	7.23	584.97				
							11/10/2003	6.70	585.50				
							2/17/2004	7.20	585.00				
							4/20/2004	6.41	585.79				
							5/20/2004	5.91	586.29				
							8/24/2004	6.68	585.52				
							11/24/2004	7.22	584.98				
							2/25/2005	6.78	585.42				
							5/19/2005	6.71	585.49				
							8/9/2005	6.81	585.39				
							12/13/2005	6.73	585.47				
							3/7/2006	6.68	585.52				
							6/26/2006	6.15	586.05				
							9/26/2006	6.93	585.27				
							12/13/2006	nm	nm				
							3/29/2007	6.22	585.98				
							6/18/2007	6.88	585.32				
							9/13/2007	6.81	585.39				
	593.33	593.04	19.79	10	583.25		12/6/2007	nm	nm	well buried under snow, could not locate			
							4/1/2008	5.95	587.09				
							6/26/2008	5.77	587.27				
							9/11/2008	6.70	586.34				
							12/18/2008	7.12	585.92				
							3/30/2009	6.69	586.35				
							6/30/2009	6.33	586.71				
							9/29/2009	6.76	586.28				
							12/8/2009	6.52	586.52				
							3/30/2010	6.41	586.63				
							6/8/2010	6.19	586.85				
							9/8/2010	6.28	586.76				
							12/2/2010	7.15	585.89				
							3/22/2011	6.53	586.51				
							6/1/2011	6.10	586.94				
							3/1/2012	nm	nm	well under staging pad			
							6/19/2012	6.25	586.79				
							9/10/2012	nm	nm	well burried			
							12/12/2012	6.05	586.99				
							4/23/2013	5.96	587.08				
							6/11/2013	6.10	586.94				
							9/3/2013	6.64	586.40				
							12/3/2013	6.49	586.55				

Table 1. Groundwater Elevations and Vertical Gradients
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
Sheboygan, WI

Monitoring Location	Ground Surface Elevation (feet)	Top of PVC Elevation (feet)	Total Well Depth (feet)	Screen Length (feet)	Top of Screen Elevation (feet)	Middle of Screen Elevation (feet)	Monitoring Date	Depth to Water (feet)	Groundwater Elevation (feet)	Change in head (feet)	Change in distance (feet)	Vertical Gradient	Direction
MW-706	591.51	591.34	14.10	10	587.94		8/14/1995	3.5 *	587.8 *				
							8/20/1995	3.4 *	587.9 *				
							9/25/1995	3.5 *	587.8 *				
							12/21/1998	3.34	588.00	-1.15	29.34	-3.92E-02	upward
							4/18/2000	2.98	588.36	-0.20	29.70	-6.73E-03	upward
							6/19/2000	3.65	587.69	-0.15	29.03	-5.17E-03	upward
	595.2	594.54	16.60	10	587.94		6/25/2002	8.40	586.14	1.27	27.48	4.62E-02	downward
							11/7/2002	9.22	582.94	-5.28	24.28	-2.17E-01	upward
							1/24/2003	--	--				
							4/15/2003	8.25	586.29	-1.94	27.63	-7.02E-02	upward
							7/1/2003	8.77	585.77	-2.47	27.11	-9.11E-02	upward
							11/10/2003	8.78	585.76	-2.46	27.10	-9.08E-02	upward
							2/17/2004	9.37	585.17	-2.86	26.51	-1.08E-01	upward
							4/20/2004	8.25	586.29	-2.23	27.63	-8.07E-02	upward
							5/20/2004	7.41	587.13	-1.93	28.47	-6.78E-02	upward
							8/24/2004	8.51	586.03	-2.53	27.37	-9.24E-02	upward
							11/24/2004	9.11	585.43	-2.88	26.77	-1.08E-01	upward
							2/25/2005	8.27	586.27	-2.27	27.61	-8.22E-02	upward
							5/19/2005	8.59	585.95	-2.56	27.29	-9.38E-02	upward
							8/9/2005	8.92	585.62	-2.58	26.96	-9.57E-02	upward
							12/13/2005	9.00	585.54	-2.86	26.88	-1.06E-01	upward
							3/7/2006	8.82	585.72	-2.57	27.06	-9.50E-02	upward
							6/26/2006	8.38	586.16	-2.45	27.50	-8.91E-02	upward
							9/26/2006	8.93	585.61	-1.75	26.95	-6.49E-02	upward
							12/13/2006	7.96	586.58	-2.15	27.92	-7.70E-02	upward
							3/29/2007	7.64	586.90	-1.59	28.24	-5.63E-02	upward
							6/18/2007	8.37	586.17	-2.39	27.51	-8.69E-02	upward
							9/13/2007	8.90	585.64	-2.64	26.98	-9.79E-02	upward
	595.00	594.36	16.42	10	587.94		12/6/2007	nm	nm	coal tar present			
							4/1/2008	7.75	586.61	-1.89	27.95	-6.76E-02	upward
							6/26/2008	7.70	586.66	-2.51	28.00	-8.96E-02	upward
							9/11/2008	8.78	585.58	-2.88	26.92	-1.07E-01	upward
							12/18/2008	8.20	586.16	-0.59	27.50	-2.15E-02	upward
							3/30/2009	11.63	582.73	-4.22	24.07	-1.75E-01	upward
							6/30/2009	8.04	586.32	-2.22	27.66	-8.03E-02	upward
							9/29/2009	8.81	585.55	-0.74	26.89	-2.75E-02	upward
							12/8/2009	8.84	585.52	-2.70	26.86	-1.01E-01	upward
							3/30/2010	7.96	586.40	-1.64	27.74	-5.91E-02	upward
							6/8/2010	nm	nm	nm	nm	nm	nm
							9/8/2010	8.33	586.03	-2.53	27.37	-9.24E-02	upward
							12/2/2010	9.12	585.24	-2.78	26.58	-1.05E-01	upward
							3/22/2011	7.71	586.65	-1.40	27.99	-5.00E-02	upward
							6/1/2011	7.90	586.46	-2.28	27.80	-8.20E-02	upward
							3/1/2012	8.90	585.46	-2.46	26.80	-9.18E-02	upward
							6/19/2012	8.71	585.65	-2.74	26.99	-1.02E-01	upward
							9/10/2012	8.95	585.41	-2.76	26.75	-1.03E-01	upward
							12/12/2012	9.20	585.16	-3.11	26.50	-1.17E-01	upward
							4/23/2013	7.33	587.03	-1.54	28.37	-5.43E-02	upward
							6/11/2013	7.72	586.64	-2.23	27.98	-7.97E-02	upward
							9/3/2013	8.68	585.68	-2.59	27.02	-9.59E-02	upward
							12/3/2013	9.00	585.36	-2.91	26.70	-1.09E-01	upward

Table 1. Groundwater Elevations and Vertical Gradients
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
Sheboygan, WI

Monitoring Location	Ground Surface Elevation (feet)	Top of PVC Elevation (feet)	Total Well Depth (feet)	Screen Length (feet)	Top of Screen Elevation (feet)	Middle of Screen Elevation (feet)	Monitoring Date	Depth to Water (feet)	Groundwater Elevation (feet)	Change in head (feet)	Change in distance (feet)	Vertical Gradient	Direction
PZ-702	591.62	591.16	38.62	5	561.2	558.7	12/21/1998	2.01	589.15				
							4/18/2000	2.60	588.56				
							6/19/2000	3.32	587.84				
	596.16	595.34	39.1	5	561.2	558.7	6/25/2002	10.47	584.87				
							11/7/2002	7.12	588.22				
							1/24/2003	7.58	587.76				
							4/15/2003	7.11	588.23				
							7/1/2003	7.10	588.24				
							9/30/2003	7.18	588.16				
							11/10/2003	7.12	588.22				
							2/17/2004	7.31	588.03				
							4/20/2004	6.82	588.52				
							5/20/2004	6.28	589.06				
							8/24/2004	6.78	588.56				
							11/24/2004	7.03	588.31				
							2/25/2005	6.80	588.54				
							5/19/2005	6.83	588.51				
							8/9/2005	7.14	588.20				
							12/13/2005	6.94	588.40				
							3/7/2006	7.05	588.29				
							6/26/2006	6.73	588.61				
							9/26/2006	7.98	587.36				
							12/13/2006	6.61	588.73				
							3/29/2007	6.85	588.49				
							6/18/2007	6.78	588.56				
							9/13/2007	7.06	588.28				
	595.91	595.17	38.97	5	561.2	558.7	12/6/2007	7.07	588.10				
							4/1/2008	6.67	588.50				
							6/26/2008	6.00	589.17				
							9/11/2008	6.71	588.46				
							12/18/2008	8.42	586.75				
							3/30/2009	8.22	586.95				
							6/30/2009	6.63	588.54				
							9/29/2009	8.88	586.29				
							12/8/2009	6.95	588.22				
							3/30/2010	7.13	588.04				
							6/8/2010	6.70	588.47				
							9/8/2010	6.61	588.56				
							12/2/2010	7.15	588.02				
							3/22/2011	7.12	588.05				
							6/1/2011	6.43	588.74				
							3/1/2012	7.25	587.92				
							6/19/2012	6.78	588.39				
							9/10/2012	7.00	588.17				
							12/12/2012	6.90	588.27				
							4/23/2013	6.60	588.57				
							6/11/2013	6.30	588.87				
							9/3/2013	6.90	588.27				
							12/3/2013	6.90	588.27				
MW-707	590.29	590.08	13.35	10	586.73		8/14/1995	7.48	582.60				
							8/20/1995	7.71	582.37				
							9/25/1995	7.67	582.41				
							12/21/1998	6.65	583.43	2.84	26.71	1.06E-01	downward
							4/18/2000	--	--				
							6/19/2000	6.05	584.03	3.94	27.31	1.44E-01	downward
							Well Replaced	--	--				

Table 1. Groundwater Elevations and Vertical Gradients
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
Sheboygan, WI

Monitoring Location	Ground Surface Elevation (feet)	Top of PVC Elevation (feet)	Total Well Depth (feet)	Screen Length (feet)	Top of Screen Elevation (feet)	Middle of Screen Elevation (feet)	Monitoring Date	Depth to Water (feet)	Groundwater Elevation (feet)	Change in head (feet)	Change in distance (feet)	Vertical Gradient	Direction
MW-707R		587.78	11.97	10	585.81		6/25/2002	4.57	583.21	4.48	26.49	1.69E-01	downward
							11/7/2002	5.04	582.74	0.66	26.02	2.54E-02	downward
							1/24/2003	--	--	--	--	--	--
							4/15/2003	4.9	582.88	0.80	26.16	3.06E-02	downward
							7/1/2003	4.99	582.79	5.09	26.07	1.95E-01	downward
							11/10/2003	5.13	582.65	12.41	25.93	4.79E-01	downward
	588.9	588.57	12.76	10	585.81		2/17/2004	5.30	583.27	2.59	26.55	9.76E-02	downward
							4/20/2004	5.03	583.54	1.13	26.82	4.21E-02	downward
							5/20/2004	4.75	583.82	0.81	27.10	2.99E-02	downward
							8/24/2004	4.87	583.70	0.86	26.98	3.19E-02	downward
							11/24/2004	5.03	583.54	0.66	26.82	2.46E-02	downward
							2/25/2005	5.04	583.53	0.91	26.81	3.39E-02	downward
							5/19/2005	5.03	583.54	1.01	26.82	3.77E-02	downward
							8/9/2005	4.86	583.71	2.26	26.99	8.37E-02	downward
							12/13/2005	5.24	583.33	0.90	26.61	3.38E-02	downward
							3/7/2006	5.25	583.32	1.98	26.60	7.44E-02	downward
							6/26/2006	4.80	583.77	1.38	27.05	5.10E-02	downward
							9/26/2006	4.99	583.58	5.61	26.86	2.09E-01	downward
							12/13/2006	5.02	583.55	3.80	26.83	1.42E-01	downward
							3/29/2007	5.13	583.44	1.19	26.72	4.45E-02	downward
							6/18/2007	4.80	583.77	1.64	27.05	6.06E-02	downward
							9/13/2007	4.97	583.60	5.35	26.88	1.99E-01	downward
	588.63	588.18	12.37	10	585.81		12/6/2007	4.97	583.21	4.19	26.49	1.58E-01	downward
							4/1/2008	4.80	583.38	1.44	26.66	5.40E-02	downward
							6/26/2008	4.19	583.99	5.12	27.27	1.88E-01	downward
							9/11/2008	4.48	583.70	3.83	26.98	1.42E-01	downward
							12/18/2008	5.00	583.18	3.69	26.46	1.39E-01	downward
							3/30/2009	4.61	583.57	1.56	26.85	5.81E-02	downward
							6/30/2009	4.20	583.98	2.07	27.26	7.59E-02	downward
							9/29/2009	4.79	583.39	1.26	26.67	4.72E-02	downward
							12/8/2009	4.77	583.41	0.76	26.69	2.85E-02	downward
							3/30/2010	4.32	583.86	0.80	27.14	2.95E-02	downward
							6/8/2010	4.35	583.83	1.83	27.11	6.75E-02	downward
							9/8/2010	4.34	583.84	1.76	27.12	6.49E-02	downward
							12/2/2010	4.90	583.28	0.99	26.56	3.73E-02	downward
							3/22/2011	4.57	583.61	2.16	26.89	8.03E-02	downward
							6/1/2011	4.27	583.91	4.13	27.19	1.52E-01	downward
							3/1/2012	5.26	582.92	-0.45	26.20	-1.72E-02	downward
							6/19/2012	4.56	583.62	0.31	26.90	1.15E-02	downward
							9/10/2012	4.70	583.48	0.28	26.76	1.05E-02	downward
							12/12/2012	5.28	582.90	-0.29	26.18	-1.11E-02	downward
							4/23/2013	4.20	583.98	0.61	27.26	2.24E-02	downward
							6/11/2013	4.26	583.92	0.56	27.20	2.06E-02	downward
							9/3/2013	4.76	583.42	0.64	26.70	2.40E-02	downward
							12/3/2013	5.00	583.18	0.31	26.46	1.17E-02	downward

Table 1. Groundwater Elevations and Vertical Gradients
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
Sheboygan, WI

Monitoring Location	Ground Surface Elevation (feet)	Top of PVC Elevation (feet)	Total Well Depth (feet)	Screen Length (feet)	Top of Screen Elevation (feet)	Middle of Screen Elevation (feet)	Monitoring Date	Depth to Water (feet)	Groundwater Elevation (feet)	Change in head (feet)	Change in distance (feet)	Vertical Gradient	Direction
PZ-703	589.85	589.22	33.94	5	559.2	556.7	12/21/1998	8.63	580.59				
							1/19/1999	8.96	580.26				
							4/18/2000	9.49	579.73				
							6/19/2000	9.13	580.09				
	588.81	588.53	34.33	5	559.2	556.7	6/25/2002	9.80	578.73				
							11/7/2002	6.45	582.08				
							1/24/2003	--	--				
							4/15/2003	6.45	582.08				
							7/1/2003	10.83	577.70				
							9/30/2003	9.40	579.13				
							11/10/2003	18.29	570.24				
							2/17/2004	7.85	580.68				
							4/20/2004	6.12	582.41				
							5/20/2004	5.52	583.01				
							8/24/2004	5.69	582.84				
							11/24/2004	5.65	582.88				
							2/25/2005	5.91	582.62				
							5/19/2005	6.00	582.53				
							8/9/2005	7.08	581.45				
							12/13/2005	6.10	582.43				
							3/7/2006	7.19	581.34				
							6/26/2006	6.14	582.39				
							9/26/2006	10.56	577.97				
							12/13/2006	8.78	579.75				
							3/29/2007	6.28	582.25				
							6/18/2007	6.40	582.13				
							9/13/2007	10.28	578.25				
	588.57	588.29	34.09	5	559.2	556.7	12/6/2007	9.27	579.02				
							4/1/2008	6.35	581.94				
							6/26/2008	9.42	578.87				
							9/11/2008	8.42	579.87				
							12/18/2008	8.80	579.49				
							3/30/2009	6.28	582.01				
							6/30/2009	6.38	581.91				
							9/29/2009	6.16	582.13				
							12/8/2009	5.64	582.65				
							3/30/2010	5.23	583.06				
							6/8/2010	6.29	582.00				
							9/8/2010	6.21	582.08				
							12/2/2010	6.00	582.29				
							3/22/2011	6.84	581.45				
							6/1/2011	8.51	579.78				
							3/1/2012	4.92	583.37				
							6/19/2012	4.98	583.31				
							9/10/2012	5.09	583.20				
							12/12/2012	5.10	583.19				
							4/23/2013	4.92	583.37				
							6/11/2013	4.93	583.36				
							9/3/2013	5.51	582.78				
							12/3/2013	5.42	582.87				

Table 1. Groundwater Elevations and Vertical Gradients
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
Sheboygan, WI

Monitoring Location	Ground Surface Elevation (feet)	Top of PVC Elevation (feet)	Total Well Depth (feet)	Screen Length (feet)	Top of Screen Elevation (feet)	Middle of Screen Elevation (feet)	Monitoring Date	Depth to Water (feet)	Groundwater Elevation (feet)	Change in head (feet)	Change in distance (feet)	Vertical Gradient	Direction
MW-708	606.45	606.09	18.86	15	602.23		12/10/1998	16.39	589.70				
							12/21/1998	16.78	589.31				
							4/18/2000	15.21	590.88				
							6/19/2000	14.98	591.11				
	605.87	605.47	18.24	15	602.23		6/25/2002	14.22	591.25				
							11/7/2002	11.05	594.42				
							1/24/2003	11.58	593.89				
							4/15/2003	10.35	595.12				
							7/1/2003	10.66	594.81				
							9/30/2003	11.07	594.40				
							11/10/2003	9.85	595.62				
							2/17/2004	11.13	594.34				
							4/20/2004	10.28	595.19				
							5/20/2004	9.12	596.35				
							8/24/2004	10.72	594.75				
							11/24/2004	11.05	594.42				
							2/25/2005	10.75	594.72				
							5/19/2005	10.68	594.79				
							8/9/2005	10.98	594.49				
							12/13/2005	10.75	594.72				
							3/7/2006	10.8	594.67				
							6/26/2006	10.17	595.30				
							9/26/2006	10.93	594.54				
							12/13/2006	9.80	595.67				
							3/29/2007	10.31	595.16				
							6/18/2007	10.40	595.07				
							9/13/2007	10.91	594.56				
	605.53	605.28	18.05	15	602.23		12/6/2007	11.28	594.00				
							4/1/2008	9.20	596.08				
							6/26/2008	9.70	595.58				
							9/11/2008	11.21	594.07				
							12/18/2008	11.08	594.20				
							3/30/2009	10.83	594.45				
							6/30/2009	10.28	595.00				
							9/29/2009	10.95	594.33				
							12/8/2009	10.60	594.68				
							3/30/2010	6.38	598.90				
							6/8/2010	10.22	595.06				
							9/8/2010	10.50	594.78				
							12/2/2010	11.20	594.08				
							3/22/2011	9.86	595.42				
							6/1/2011	10.18	595.10				
							3/1/2012	10.70	594.58				
							6/19/2012	10.49	594.79				
							9/10/2012	10.73	594.55				
							12/12/2012	10.80	594.48				
							4/23/2013	8.98	596.30				
							6/11/2013	9.95	595.33				
							9/3/2013	10.81	594.47				
							12/3/2013	10.84	594.44				
MW-709	588.51	587.95	12.50	10	585.45		12/21/1998	7.27	580.68				
							4/18/2000	7.62	580.33				
							6/19/2000	7.23	580.72				
							Well Replaced	--	--				

Table 1. Groundwater Elevations and Vertical Gradients
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
Sheboygan, WI

Monitoring Location	Ground Surface Elevation (feet)	Top of PVC Elevation (feet)	Total Well Depth (feet)	Screen Length (feet)	Top of Screen Elevation (feet)	Middle of Screen Elevation (feet)	Monitoring Date	Depth to Water (feet)	Groundwater Elevation (feet)	Change in head (feet)	Change in distance (feet)	Vertical Gradient	Direction
MW-709R	589.15	588.81	16.54	10	582.27		6/25/2002	9.23	579.58				
							11/7/2002	6.40	582.41				
							4/15/2003	5.45	583.36				
							7/1/2003	5.30	583.51				
							9/30/2003	6.33	582.48				
							11/10/2003	5.29	583.52				
	588.96	588.58	16.31	10	582.27		2/17/2004	6.44	582.14				
							4/20/2004	5.02	583.56				
							5/20/2004	4.63	583.95				
							8/24/2004	5.14	583.44				
							11/24/2004	6.19	582.39				
							2/25/2005	5.58	583.00				
							5/19/2005	5.29	583.29				
							5/25/2005	5.20	583.38				
							8/9/2005	5.58	583.00				
							12/13/2005	5.46	583.12				
							3/7/2006	5.38	583.20				
							6/26/2006	4.90	583.68				
							9/26/2006	5.46	583.12				
							12/13/2006	4.81	583.77				
							3/29/2007	4.95	583.63				
							6/18/2007	5.40	583.18				
							9/13/2007	5.43	583.15				
	588.76	588.41	16.14	10	582.27		12/6/2007	6.73	581.68				
							4/1/2008	4.62	583.79				
							6/26/2008	4.51	583.90				
							9/11/2008	5.09	583.32				
							12/18/2008	5.60	582.81				
							3/30/2009	4.95	583.46				
							6/30/2009	4.76	583.65				
							9/29/2009	5.08	583.33				
							12/8/2009	4.88	583.53				
							3/30/2010	5.48	582.93				
							6/8/2010	4.84	583.57				
							9/8/2010	4.84	583.57				
							12/2/2010	5.62	582.79				
							3/22/2011	4.81	583.60				
							6/1/2011	4.80	583.61				
							3/1/2012	4.95	583.46				
							6/19/2012	4.95	583.46				
							9/10/2012	4.93	583.48				
							12/12/2012	5.30	583.11				
							4/23/2013	4.94	583.47				
							6/11/2013	4.75	583.66				
							9/3/2013	5.20	583.21				
							12/3/2013	6.30	582.11				
SG-701	na	582.02	na	na	na		8/14/1995	2.00	580.02				
							8/20/1995	2.33	579.69				
							9/25/1995	2.49	579.53				
							Abandoned						
SG-702	na	581.37	na	na	na		"	2.33	579.04				
							Abandoned						

Table 1. Groundwater Elevations and Vertical Gradients
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
Sheboygan, WI

Monitoring Location	Ground Surface Elevation (feet)	Top of PVC Elevation (feet)	Total Well Depth (feet)	Screen Length (feet)	Top of Screen Elevation (feet)	Middle of Screen Elevation (feet)	Monitoring Date	Depth to Water (feet)	Groundwater Elevation (feet)	Change in head (feet)	Change in distance (feet)	Vertical Gradient	Direction
SG-703	na	582.27	na	na	na		4/20/2004	4.45	577.82				
							5/20/2004	5.5	576.77				
							8/24/2004	3.18	579.09				
							11/24/2004	4.7	577.57				
							2/25/2005	3.80	578.47				
							5/25/2005	3.78	578.49				
							8/9/2005	4.05	578.22				
							12/13/2005	4.45	577.82				
							6/26/2006	3.64	578.63				
							9/26/2006	4.34	577.93				
							12/13/2006	4.61	577.66				
							3/29/2007	4.02	578.25				
							6/18/2007	3.84	578.43				
							9/13/2007	4.65	577.62				
	na	582.03	na	na	na		12/6/2007	4.97	577.06	top of ice			
							4/1/2008	4.80	577.23				
							6/26/2008	3.63	578.40				
							9/11/2008	3.40	578.63				
							12/18/2008	4.90	577.13	top of ice			
							3/30/2009	4.12	577.91				
							6/30/2009	2.87	579.16				
							9/29/2009	3.40	578.63				
							12/8/2009	3.41	578.62				
							3/30/2010	4.00	578.03				
							6/8/2010	3.71	578.32				
							9/8/2010	4.40	577.63				
							12/2/2010	4.79	577.24	top of ice			
							3/22/2011	4.45	577.58				
							6/1/2011	4.76	577.27				
							3/1/2012	4.11	577.92				
							6/19/2012	4.01	578.02				
							9/10/2012	4.60	577.43				
							12/12/2012	4.67	577.36				
							4/23/2013	4.95	577.08				
							6/11/2013	4.08	577.95				
							9/3/2013	4.10	577.93				
							12/3/2013	4.83	577.20				

1JR 9/17/04 U-HMS/JTB 12/13/04 U-HMS/PAR 3/05 U-HMS/RTB 6/05 U-HMS/PAR 9/05 U-HMS/JTB 12/05 U-RJG/HMS 7/06 U-HMS/JCB 12/06 U-PAR/JTB 4/07 U-HMS/RJG 8/07 U-RJG/HMS 9/07 U-HMS/KJB 2/09 U-RMN/AMM 1/10 U-HMS/AMM 3/10 NDK2/13, RJG/ANS 2/1

Notes:

1. PZ-701, MW-701R and MW-707R were surveyed on 7/17/01 by Rettler Corporation from Stevens Point, Wisconsin.
   PZ-101 was extended from pre-remedial ground surface elevation to existing ground surface elevation.
2. Elevations are referenced to NAVD88 Datum.
3. * Estimated value.
4. MW-709 was surveyed on 12/22/03 by NRT using MW-701R TOC as a bench mark and a laser level.
5. -- Not Measured
6. On February 17, 2004, Robert E. Lee Associates surveyed top of casing and flushmount covers, and established a staff gauge located at the southwest corner,west face, of the Marina's concrete boat dock (chisel marked blue).
   Wells MW-705, MW-706, PZ-702, PZ-703, and MW-708 were extended or reduced to match final grades during remedial construction activities in 2002
   Consequently, the surveyed elevations for these wells were used in groundwater elevation calculations as of 2002.
7. All monitoring wells and staff gauge were suveyed on June 5, 2008 by Integrys surveyor from Green Bay, Wisconsin. Well MW-707R was trimmed on 9/24/07.

Table 2. Groundwater Laboratory Analytical Results-BTEX and Cyanide
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
732 Water Street, Sheboygan, Wisconsin
USEPA #: WIN000510058

Sample ID	Sample Duplicate	Sample Date	Benzene (ug/l)	Ethylbenzene (ug/l)	Toluene (ug/l)	Xylene, o (ug/l)	Xylenes, m + p (ug/l)	Xylenes, Total (ug/l)	Cyanide, Amenable (mg/l)	Cyanide, Total (mg/l)	Cyanide, Weak Acid Dissociable (mg/l)
Wisconsin Screening levels			5	700	800	190	NA	2000	NA	200	NA
BW06		05/20/04	< 0.41	< 0.54	< 0.67	--	--	< 1.8	--	0.0032	--
		11/24/04	< 0.14	< 0.4	< 0.36	--	--	< 0.74	--	--	< 0.0053
		05/19/05	< 0.14	< 0.4	< 0.36	--	--	< 0.74	--	--	0.003
		06/18/07	0.58	0.51	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		06/01/11	< 0.41	< 0.54	< 0.67	< 0.83	< 1.8	< 1.8	--	--	--
		12/12/12	< 0.41	< 0.54	< 0.67	< 0.83	< 1.8	< 2.6	--	--	--
		06/11/13	< 0.34	< 0.34	< 0.34	--	--	< 1	--	--	--
		12/03/13	**7.8**	0.4	2.9	--	--	< 1	--	--	--
BW15		05/20/04	2.8	2.5	< 0.67	--	--	2.6	--	0.077	--
		11/24/04	< 0.14	< 0.4	< 0.36	--	--	< 0.74	--	--	0.0097
		05/19/05	**1400**	670	10	--	--	144	--	--	0.0045
MW701		08/15/95	**10000**	**880**	96	--	--	820	< 0.005	0.11	0.025
		09/25/95	**12000**	**780**	53	--	--	680	< 0.005	0.088	0.02
		12/21/98	**10200**	**818**	77	--	--	717	0.05	0.17	0.11
MW701R		06/25/02	**2700**	330	28	--	--	330	0.15	0.16	0.012
		07/01/03	**3400**	340	21	--	--	260	--	0.13	--
		11/10/03	**3400**	330	18	--	--	260	--	0.16	--
		05/20/04	**2600**	300	17	--	--	211	--	0.15	--
		11/24/04	**2800**	280	17	--	--	208	--	--	0.0067
		05/19/05	**3400**	340	20	--	--	224	--	--	0.0036
		12/13/05	**2700**	280	18	120	76	196	--	--	--
		06/26/06	**3300**	330	21	150	82	232	--	--	--
		12/13/06	--	330	17	140	69	209	--	--	--
		06/18/07	**3500**	360	20	160	73	223	--	--	--
		12/05/07	**2900**	300	18	130	58	188	--	--	--
		06/26/08	**3190**	312	16	131	50	181	--	--	--
		12/18/08	**3460**	349	18.9	149	62.8	212	--	--	--
		06/30/09	**3510**	370	19.7	161	65.8	226.8	--	--	--
		12/08/09	**4080**	391	23.2	175	64.5	239.5	--	--	--
		06/08/10	**3200**	346	17.2	65.4	48.4	114	--	--	--
		12/02/10	**3850**	275	< 26.8	82.1	< 72	82.1	--	--	--
		06/01/11	**3320**	357	18.6	155	64.3	219.3	--	--	--
		06/19/12	**2640**	186	11	84.9	28.1	113	--	--	--
		12/12/12	**3290**	289	< 26.8	108	< 72	108	--	--	--
		06/11/13	**3470**	331	17.7	--	--	215	--	--	--
		12/03/13	**2550**	200	12.4	--	--	139	--	--	--
MW702		08/15/95	**5900**	**1500**	**2300**	--	--	1600	< 0.005	0.2	0.043
		09/25/95	**6100**	**1400**	**2100**	--	--	1400	< 0.005	0.072	0.032
MW703		08/15/95	**1300**	**980**	29	--	--	430	< 0.005	0.12	0.039
		09/25/95	**1300**	**1100**	23	--	--	450	< 0.005	0.14	0.028
		12/21/98	**1190**	**973**	9.2	--	--	408	0.05	0.2	0.074
MW704		08/15/95	**340**	280	200	--	--	430	< 0.005	0.31	0.056
		09/25/95	**1100**	670	380	--	--	970	< 0.005	0.28	0.062
		12/21/98	**29**	13	1.6	--	--	11.3	0.22	0.31	0.017

Table 2. Groundwater Laboratory Analytical Results-BTEX and Cyanide
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
732 Water Street, Sheboygan, Wisconsin
USEPA #: WIN000510058

Sample ID	Sample Duplicate	Sample Date	Benzene (ug/l)	Ethylbenzene (ug/l)	Toluene (ug/l)	Xylene, o (ug/l)	Xylenes, m + p (ug/l)	Xylenes, Total (ug/l)	Cyanide, Amenable (mg/l)	Cyanide, Total (mg/l)	Cyanide, Weak Acid Dissociable (mg/l)
Wisconsin Screening levels			5	700	800	190	NA	2000	NA	200	NA
MW705		08/15/95	< 1	< 1	< 1	--	--	< 3	< 0.005	< 0.005	< 0.005
		09/25/95	< 0.5	< 1	< 1	--	--	< 3	< 0.005	< 0.005	< 0.005
		12/21/98	< 0.5	< 0.6	< 0.6	--	--	< 2.2	< 0.001	< 0.001	< 0.001
		06/25/02	< 0.45	< 0.82	< 0.68	--	--	< 1.7	0.076	0.08	0.013
		11/07/02	< 0.25	< 0.53	< 0.84	--	--	< 1.1	0.11	0.06	< 0.0027
		04/15/03	< 0.41	< 0.54	< 0.67	--	--	< 1.8	0.1	0.1	0.0064
		07/01/03	< 0.3	< 0.6	< 0.58	--	--	< 1.2	--	0.14	--
		09/30/03	< 0.3	< 0.6	< 0.58	--	--	< 1.2	--	0.15	--
		11/10/03	< 0.3	< 0.6	< 0.58	--	--	< 1.2	--	0.17	--
		05/20/04	< 0.41	< 0.54	< 0.67	--	--	< 1.8	--	0.15	--
		11/24/04	< 0.14	< 0.4	< 0.36	--	--	< 0.74	--	--	0.0058
		05/19/05	< 0.14	< 0.4	< 0.36	--	--	< 0.74	--	--	0.01
		06/26/08	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 1.1	--	--	--
MW706		08/15/95	**34000**	560	**13000**	--	--	**7900**	< 0.005	< 0.005	< 0.005
		09/25/95	**31000**	< 2	**12000**	--	--	**7700**	< 0.005	< 0.005	< 0.005
		06/25/02	**1900**	270	**1300**	--	--	1020	0.078	0.081	0.0099
		07/01/03	**6500**	360	**2200**	--	--	1870	--	0.099	--
		11/10/03	**3200**	150	**1300**	--	--	760	--	0.086	--
		05/20/04	**1100**	110	**990**	--	--	400	--	0.15	--
		11/24/04	**4000**	230	**1700**	--	--	1380	--	--	0.0086
		05/19/05	**1800**	56	500	--	--	520	--	--	0.0046
		12/13/05	**2200**	140	**990**	**450**	250	700	--	--	--
		06/26/06	**1900**	23	470	**220**	140	360	--	--	--
		12/13/06	**2400**	120	**1300**	**540**	270	810	--	--	--
		06/18/07	**15000**	**780**	**8800**	**4100**	1800	**5900**	--	--	--
		12/05/07	**2600**	410	**1600**	**650**	500	1150	--	--	--
		06/26/08	**594**	26.1	217	131	96.1	227	--	--	--
		12/18/08	**15100**	**770**	**8690**	**3790**	1680	**5480**	--	--	--
		06/30/09	**4080**	252	**1970**	**689**	414	1103	--	--	--
		12/08/09	**6510**	412	**3160**	**1070**	623	1693	--	--	--
		06/08/10	**9340**	**734**	**5960**	**445**	1310	1750	--	--	--
		12/02/10	**2230**	227	360	82.5	185	267.5	--	--	--
		06/01/11	**2580**	257	**1800**	**213**	471	684	--	--	--
		06/19/12	**2190**	256	794	**316**	242	558	--	--	--
		12/12/12	**3600**	297	397	102	145	247	--	--	--
		06/11/13	**1300**	223	**1090**	--	--	696	--	--	--
		12/03/13	**5430**	583	**2510**	--	--	1110	--	--	--

Table 2. Groundwater Laboratory Analytical Results-BTEX and Cyanide
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
732 Water Street, Sheboygan, Wisconsin
USEPA #: WIN000510058

Sample ID	Sample Duplicate	Sample Date	Benzene (ug/l)	Ethylbenzene (ug/l)	Toluene (ug/l)	Xylene, o (ug/l)	Xylenes, m + p (ug/l)	Xylenes, Total (ug/l)	Cyanide, Amenable (mg/l)	Cyanide, Total (mg/l)	Cyanide, Weak Acid Dissociable (mg/l)
Wisconsin Screening levels			5	700	800	190	NA	2000	NA	200	NA
MW707		08/15/95	**1500**	**3600**	190	--	--	1400	0.21	0.38	0.042
		09/25/95	**1200**	**3500**	130	--	--	1200	< 0.005	0.44	0.058
		12/21/98	**830**	**3110**	82	--	--	990	0.13	0.64	0.033
MW707R		06/25/02	**1100**	**2300**	51	--	--	760	0.76	0.78	0.01
		07/01/03	**1300**	**2800**	73	--	--	950	--	0.26	--
		11/10/03	**1500**	**3000**	76	--	--	1050	--	0.3	--
		05/20/04	**1000**	**2500**	76	--	--	910	--	--	--
		11/24/04	**1300**	**2400**	74	--	--	790	--	--	0.0087
		05/19/05	**1300**	**2500**	93	--	--	910	--	--	0.0051
		12/13/05	**1300**	**2600**	99	**660**	260	920	--	--	--
		06/26/06	**1300**	**2400**	89	**610**	260	870	--	--	--
		12/13/06	**960**	**1800**	66	**470**	170	640	--	--	--
		06/18/07	**1500**	**2600**	94	**650**	300	950	--	--	--
		12/05/07	**1200**	**2200**	79	**550**	190	740	--	--	--
		06/26/08	**990**	**1660**	50.9	**401**	135	535	--	--	--
		12/18/08	**951**	**1850**	66.9	**502**	198	700	--	--	--
		06/30/09	**1550**	**2140**	55.2	**500**	223	723	--	--	--
		12/08/09	**1510**	**1730**	52.3	**485**	212	697	--	--	--
		06/08/10	**1660**	**1850**	38	**454**	213	666	--	--	--
		12/02/10	**2230**	**2600**	46.5	**499**	183	682	--	--	--
		06/01/11	**1220**	**1630**	35	**425**	143	568	--	--	--
		06/19/12	**1540**	**1870**	43.1	**451**	167	618	--	--	--
		12/12/12	**1690**	**1650**	29.6	**402**	100	502	--	--	--
		06/11/13	**1780**	**1760**	29.9	--	--	538	--	--	--
		12/03/13	**1870**	**1420**	30	--	--	534	--	--	--
MW708		12/21/98	< 0.5	< 0.6	< 0.6	--	--	< 2.2	< 0.001	< 0.001	< 0.001
		06/25/02	< 0.45	< 0.82	< 0.68	--	--	< 1.7	0.003	0.0036	< 0.00084
		11/07/02	< 0.25	< 0.53	< 0.84	--	--	< 1.1	< 0.0027	0.006	< 0.0027
		04/15/03	< 0.41	< 0.54	< 0.67	--	--	< 1.8	< 0.0015	< 0.0015	0.0022
		07/01/03	< 0.3	< 0.6	< 0.58	--	--	< 1.2	--	0.0046	--
		09/30/03	< 0.3	< 0.6	< 0.58	--	--	< 1.2	--	0.0034	--
		11/10/03	< 0.3	< 0.6	< 0.58	--	--	< 1.2	--	0.0046	--
		05/20/04	< 0.41	< 0.54	< 0.67	--	--	< 1.8	--	0.0042	--
		11/24/04	**11**	0.43	< 0.36	--	--	< 0.74	--	--	< 0.0053
		05/19/05	< 0.14	< 0.4	< 0.36	--	--	< 0.74	--	--	0.0027
		12/13/05	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		06/26/06	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		12/13/06	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		06/18/07	< 0.21	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		12/05/07	< 0.21	< 0.4	0.51	< 0.36	< 0.74	< 0.74	--	--	--
		06/26/08	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 1.1	--	--	--
		12/18/08	< 0.23	< 0.4	< 0.36	< 0.36	< 0.74	< 1.1	--	--	--
		06/30/09	< 0.23	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		12/08/09	< 0.39	< 0.41	< 0.42	< 0.38	< 0.87	< 0.87	--	--	--
		06/08/10	< 0.41	< 0.54	< 0.67	< 0.83	< 1.8	< 2.6	--	--	--
		12/02/10	< 0.41	< 0.54	< 0.67	< 0.83	< 1.8	< 1.8	--	--	--
		06/01/11	< 0.41	< 0.54	< 0.67	< 0.83	< 1.8	< 1.8	--	--	--
		06/19/12	< 0.39	< 0.41	< 0.42	< 0.38	< 0.87	< 0.87	--	--	--
		12/12/12	< 0.41	< 0.54	< 0.67	< 0.83	< 1.8	< 2.6	--	--	--
		06/11/13	< 0.34	< 0.34	< 0.34	--	--	< 1	--	--	--
		12/03/13	< 0.34	< 0.34	< 0.34	--	--	< 1	--	--	--

Table 2. Groundwater Laboratory Analytical Results-BTEX and Cyanide
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
732 Water Street, Sheboygan, Wisconsin
USEPA #: WIN000510058

Sample ID	Sample Duplicate	Sample Date	Benzene (ug/l)	Ethylbenzene (ug/l)	Toluene (ug/l)	Xylene, o (ug/l)	Xylenes, m + p (ug/l)	Xylenes, Total (ug/l)	Cyanide, Amenable (mg/l)	Cyanide, Total (mg/l)	Cyanide, Weak Acid Dissociable (mg/l)
Wisconsin Screening levels			5	700	800	190	NA	2000	NA	200	NA
MW709		12/21/98	< 0.5	< 0.6	< 0.6	--	--	< 2.2	0.03	0.03	0.014
MW709R		06/25/02	< 0.45	< 0.82	< 0.68	--	--	< 1.7	0.45	0.48	0.027
		11/07/02	< 0.25	< 0.53	< 0.84	--	--	< 1.1	0.038	0.16	0.007
		04/15/03	< 0.41	< 0.54	< 0.67	--	--	< 1.8	0.28	0.28	0.01
		07/01/03	< 0.3	< 0.6	< 0.58	--	--	< 1.2	--	0.25	--
		09/30/03	< 0.3	< 0.6	< 0.58	--	--	< 1.2	--	0.11	--
		11/10/03	< 0.3	< 0.6	< 0.58	--	--	< 1.2	--	0.1	--
		05/20/04	< 0.41	< 0.54	< 0.67	--	--	< 1.8	--	0.046	--
		11/24/04	< 0.14	< 0.4	< 0.36	--	--	< 0.74	--	--	0.0057
		05/19/05	< 0.14	< 0.4	< 0.36	--	--	< 0.74	--	--	0.0037
		12/13/05	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		06/26/06	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		12/13/06	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		06/18/07	< 0.21	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		12/05/07	< 0.21	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		06/26/08	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 1.1	--	--	--
		12/18/08	< 0.23	< 0.4	< 0.36	< 0.36	< 0.74	< 1.1	--	--	--
		06/30/09	< 0.23	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		12/08/09	< 0.39	< 0.41	< 0.42	< 0.38	< 0.87	< 0.87	--	--	--
		06/08/10	< 0.41	< 0.54	< 0.67	< 0.83	< 1.8	< 2.6	--	--	--
		12/02/10	< 0.41	< 0.54	< 0.67	< 0.83	< 1.8	< 1.8	--	--	--
		06/01/11	< 0.41	< 0.54	< 0.67	< 0.83	< 1.8	< 1.8	--	--	--
		06/19/12	< 0.39	< 0.41	< 0.42	< 0.38	< 0.87	< 0.87	--	--	--
		12/12/12	< 0.41	< 0.54	< 0.67	< 0.83	< 1.8	< 2.6	--	--	--
		06/11/13	< 0.34	< 0.34	< 0.34	--	--	< 1	--	--	--
		12/03/13	< 0.34	< 0.34	< 0.34	--	--	< 1	--	--	--
PZ701		08/17/95	5	3.6	6.3	--	--	11	0.02	0.02	< 0.005
		09/25/95	2.2	1.7	6.6	--	--	6.8	0.014	0.014	< 0.005
		12/21/98	0.96	1.1	1.8	--	--	4.2	--	--	--
		06/25/02	< 0.45	< 0.82	< 0.68	--	--	< 1.7	0.74	0.83	0.19
		11/07/02	0.9	< 0.53	< 0.84	--	--	< 1.1	0.042	0.18	0.049
		04/15/03	< 0.41	< 0.54	< 0.67	--	--	< 1.8	0.47	0.47	0.028
		07/01/03	< 0.3	< 0.6	< 0.58	--	--	< 1.2	--	0.34	--
		09/30/03	0.35	< 0.6	< 0.58	--	--	< 1.2	--	0.26	--
		11/10/03	< 0.3	0.7	< 0.58	--	--	< 1.2	--	0.21	--
		05/20/04	< 0.41	< 0.54	< 0.67	--	--	< 1.8	--	0.1	--
		11/24/04	**44**	2.3	< 0.36	--	--	1.47	--	--	< 0.0053
		05/19/05	< 0.14	< 0.4	< 0.36	--	--	< 0.74	--	--	0.0045
		12/13/05	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		06/26/06	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		12/13/06	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		06/18/07	< 0.21	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		12/05/07	< 0.21	< 0.4	0.72	< 0.36	< 0.74	< 0.74	--	--	--
		06/26/08	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 1.1	--	--	--
		12/18/08	< 0.23	< 0.4	< 0.36	< 0.36	< 0.74	< 1.1	--	--	--
		06/30/09	< 0.23	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		12/08/09	< 0.39	0.51	< 0.42	< 0.38	< 0.87	< 0.87	--	--	--
		06/08/10	**5.3**	0.93	1.4	< 0.83	< 1.8	< 2.6	--	--	--
		12/02/10	< 0.41	0.74	< 0.67	< 0.83	< 1.8	< 1.8	--	--	--
		06/01/11	< 0.41	< 0.54	< 0.67	< 0.83	< 1.8	< 1.8	--	--	--
		06/19/12	< 0.39	< 0.41	< 0.42	< 0.38	< 0.87	< 0.87	--	--	--
		12/12/12	< 0.41	< 0.54	< 0.67	< 0.83	< 1.8	< 2.6	--	--	--
		06/11/13	< 0.34	< 0.34	< 0.34	--	--	< 1	--	--	--
		12/03/13	**11.1**	3.9	0.80	--	--	3.3	--	--	--

Table 2. Groundwater Laboratory Analytical Results-BTEX and Cyanide
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
732 Water Street, Sheboygan, Wisconsin
USEPA #: WIN000510058

Sample ID	Sample Duplicate	Sample Date	Benzene (ug/l)	Ethylbenzene (ug/l)	Toluene (ug/l)	Xylene, o (ug/l)	Xylenes, m + p (ug/l)	Xylenes, Total (ug/l)	Cyanide, Amenable (mg/l)	Cyanide, Total (mg/l)	Cyanide, Weak Acid Dissociable (mg/l)
Wisconsin Screening levels			5	700	800	190	NA	2000	NA	200	NA
PZ702		12/21/98	< 0.5	< 0.6	1.5	--	--	< 2.2	< 0.002	< 0.002	< 0.002
		06/25/02	< 0.45	< 0.82	< 0.68	--	--	< 1.7	< 0.0023	< 0.0023	< 0.00084
		11/07/02	< 0.25	< 0.53	< 0.84	--	--	< 1.1	< 0.0027	< 0.0027	< 0.0027
		04/15/03	< 0.41	< 0.54	< 0.67	--	--	< 1.8	< 0.0015	< 0.0015	< 0.0019
		07/01/03	< 0.3	< 0.6	< 0.58	--	--	< 1.2	--	< 0.0015	--
		09/30/03	< 0.3	< 0.6	< 0.58	--	--	< 1.2	--	0.0033	--
		11/10/03	< 0.3	< 0.6	< 0.58	--	--	< 1.2	--	0.01	--
		05/20/04	< 0.41	< 0.54	< 0.67	--	--	< 1.8	--	< 0.0016	--
		11/24/04	< 0.14	< 0.4	< 0.36	--	--	< 0.74	--	--	< 0.0053
		05/19/05	< 0.14	< 0.4	< 0.36	--	--	< 0.74	--	--	< 0.0025
		12/13/05	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		06/26/06	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		12/13/06	**3300**	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		06/18/07	< 0.21	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		12/05/07	< 0.21	< 0.4	0.47	< 0.36	< 0.74	< 0.74	--	--	--
		06/26/08	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 1.1	--	--	--
		12/18/08	< 0.23	< 0.4	< 0.36	< 0.36	< 0.74	< 1.1	--	--	--
		06/30/09	< 0.23	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		12/08/09	< 0.39	< 0.41	< 0.42	< 0.38	< 0.87	< 0.87	--	--	--
		06/08/10	< 0.41	< 0.54	< 0.67	< 0.83	< 1.8	< 2.6	--	--	--
		12/02/10	< 0.41	< 0.54	< 0.67	< 0.83	< 1.8	< 1.8	--	--	--
		06/01/11	< 0.41	< 0.54	< 0.67	< 0.83	< 1.8	< 1.8	--	--	--
		06/19/12	< 0.39	< 0.41	< 0.42	< 0.38	< 0.87	< 0.87	--	--	--
		12/12/12	< 0.41	< 0.54	< 0.67	< 0.83	< 1.8	< 2.6	--	--	--
		06/11/13	< 0.34	< 0.34	< 0.34	--	--	< 1	--	--	--
		12/03/13	< 0.34	< 0.34	< 0.34	--	--	< 1	--	--	--
PZ703		12/21/98	**960**	429	26	--	--	299	0.002	0.002	0.002
		01/19/99	**71**	12	9.6	--	--	15.2	--	--	--
		06/25/02	**570**	150	14	--	--	86	< 0.0023	< 0.0023	0.0009
		11/07/02	**460**	130	16	--	--	101	0.008	0.007	< 0.0027
		04/15/03	**880**	260	22	--	--	146	0.0025	0.0025	< 0.0019
		07/01/03	**1800**	**760**	64	--	--	450	--	0.0019	--
		09/30/03	**2000**	**910**	65	--	--	520	--	0.0039	--
		11/10/03	**2100**	**1100**	65	--	--	560	--	0.0051	--
		05/20/04	**1000**	**750**	31	--	--	390	--	0.039	--
		08/24/04	**3700**	**2800**	110	--	--	1180	--	--	< 0.011
		11/24/04	**3200**	**2200**	110	--	--	1090	--	--	< 0.0053
		05/19/05	**380**	220	9.3	--	--	113	--	--	0.0036
		12/13/05	**330**	140	9.3	64	48	112	--	--	--
		06/26/06	**600**	400	22	120	91	211	--	--	--
		12/13/06	**220**	23	7.6	92	85	177	--	--	--
		06/18/07	**760**	520	31	180	110	290	--	--	--
		12/05/07	**770**	150	25	**200**	120	320	--	--	--
		06/26/08	**962**	465	31	158	113	270	--	--	--
		12/18/08	**598**	53.2	18.2	157	134	291	--	--	--
		06/30/09	**786**	263	23.5	159	115	274	--	--	--
		12/08/09	**628**	69.4	17.7	185	159	344	--	--	--
		06/08/10	**824**	202	26.1	180	122	302	--	--	--
		12/02/10	**1960**	417	42.7	146	155	301	--	--	--
		06/01/11	**232**	76.3	6.9	36	29.4	65.4	--	--	--
		06/19/12	**726**	362	20.2	113	87.2	200.2	--	--	--
		12/12/12	**895**	517	25.2	122	102	224	--	--	--
		06/11/13	**779**	404	23.5	--	--	254	--	--	--
		12/03/13	**726**	277	24	--	--	270	--	--	--

Table 2. Groundwater Laboratory Analytical Results-BTEX and Cyanide
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
732 Water Street, Sheboygan, Wisconsin
USEPA #: WIN000510058

Sample ID	Sample Duplicate	Sample Date	Benzene (ug/l)	Ethylbenzene (ug/l)	Toluene (ug/l)	Xylene, o (ug/l)	Xylenes, m + p (ug/l)	Xylenes, Total (ug/l)	Cyanide, Amenable (mg/l)	Cyanide, Total (mg/l)	Cyanide, Weak Acid Dissociable (mg/l)
Wisconsin Screening levels			5	700	800	190	NA	2000	NA	200	NA
QC01	MW704	08/15/95	**310**	280	190	--	--	440	0.19	0.29	0.022
	MW704	09/25/95	**1100**	610	360	--	--	900	0.02	0.36	0.041
	MW705	12/21/98	< 0.5	< 0.6	< 0.6	--	--	< 2.2	< 0.001	< 0.001	0.004
	MW705	06/25/02	< 0.45	< 0.82	< 0.68	--	--	< 1.7	0.088	0.1	0.0084
	MW708	11/07/02	< 0.25	< 0.53	< 0.84	--	--	< 1.1	0.004	0.004	< 0.0027
	PZ702	04/15/03	< 0.41	< 0.54	< 0.67	--	--	< 1.8	< 0.0015	< 0.0015	< 0.0095
	MW709R	07/01/03	< 0.3	< 0.6	< 0.58	--	--	< 1.2	--	0.24	--
	MW709R	09/30/03	< 0.3	< 0.6	< 0.58	--	--	< 1.2	--	0.12	--
	PZ702	11/10/03	< 0.3	< 0.6	< 0.58	--	--	< 1.2	--	0.0032	--
	MW709R	05/20/04	< 0.41	< 0.54	< 0.67	--	--	< 1.8	--	0.041	--
	MW709R	11/24/04	0.14	< 0.4	< 0.36	--	--	< 0.74	--	--	0.0064
	MW709R	05/19/05	< 0.14	< 0.4	< 0.36	--	--	< 0.74	--	--	0.0052
	MW709R	12/13/05	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
	MW709R	06/26/06	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
	MW706	12/13/06	**110**	8.6	64	36	21	57	--	--	--
	MW708	06/18/07	< 0.21	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
	MW709R	12/05/07	< 0.21	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
	MW701R	06/26/08	**3150**	308	19.4	132	52.2	184	--	--	--
	PZ702	12/18/08	< 0.23	< 0.4	< 0.36	< 0.36	< 0.74	< 1.1	--	--	--
	MW707R	06/30/09	**1540**	**2070**	52.1	**479**	219	698	--	--	--
	MW709R	12/08/09	< 0.39	< 0.41	< 0.42	< 0.38	< 0.87	< 0.87	--	--	--
	PZ702	06/08/10	< 0.41	< 0.54	< 0.67	< 0.83	< 1.8	< 2.6	--	--	--
	MW709R	12/02/10	< 0.41	< 0.54	< 0.67	< 0.83	< 1.8	< 1.8	--	--	--
	MW708	06/01/11	< 0.41	< 0.54	< 0.67	< 0.83	< 1.8	< 1.8	--	--	--
	MW707R	06/19/12	**1640**	**2030**	47.6	**496**	187	683	--	--	--
	MW707R	12/12/12	**1730**	**1640**	29.9	**411**	99.4	511	--	--	--
	PZ701	06/11/13	< 0.34	< 0.34	< 0.34	--	--	< 1	--	--	--
	MW708	12/03/13	< 0.34	< 0.34	< 0.34	--	--	< 1	--	--	--
QC02	MW704	12/21/98	**22**	9.5	1.2	--	--	8.7	0.29	0.29	0.023
TB		12/13/05	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		06/26/06	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		12/13/06	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		06/18/07	< 0.21	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		12/05/07	< 0.21	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		12/18/08	< 0.23	< 0.4	< 0.36	< 0.36	< 0.74	< 1.1	--	--	--
		06/30/09	< 0.23	< 0.4	< 0.36	< 0.36	< 0.74	< 0.74	--	--	--
		12/08/09	< 0.39	< 0.41	< 0.42	< 0.38	< 0.87	< 0.87	--	--	--
		06/08/10	< 0.41	< 0.54	< 0.67	< 0.83	< 1.8	< 2.6	--	--	--
		12/02/10	< 0.41	< 0.54	< 0.67	< 0.83	< 1.8	< 1.8	--	--	--
		06/19/12	< 0.39	< 0.41	< 0.42	< 0.38	< 0.87	< 0.87	--	--	--
		12/12/12	< 0.41	< 0.54	< 0.67	< 0.83	< 1.8	< 2.6	--	--	--
		06/11/13	< 0.34	< 0.34	< 0.34	--	--	< 1	--	--	--
		12/03/13	< 0.34	< 0.34	< 0.34	--	--	< 1	--	--	--

[U:ECK 02/20/2014 C: JTB]

Notes:
1) Parameters that attain or exceed the WI screening levels are identified in bold.
2) "<" indicates the parameter is not detected above the limit of Detection indicated.
3) "QC" indicates a Quality Control duplicate sample
4) "--" indiates Analysis not performed.

Table 3. Groundwater Laboratory Analytical Results-Polynuclear Aromatic Hydrocarbons (PAH)
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
732 Water Street, Sheboygan, Wisconsin
USEPA #: WIN000510058

Sample ID	Sample Duplicate	Sample Date	1-Methylnaphthalene (ug/l)	2-Methylnaphthalene (ug/l)	Acenaphthene (ug/l)	Acenaphthylene (ug/l)	Anthracene (ug/l)	Benzo(a)anthracene (ug/l)	Benzo(a)pyrene (ug/l)	Benzo(b)fluoranthene (ug/l)	Benzo(ghi)perylene (ug/l)	Benzo(k)fluoranthene (ug/l)	Chrysene (ug/l)	Dibenz(a,h)anthracene (ug/l)	Fluoranthene (ug/l)	Fluorene (ug/l)	Indeno(1,2,3-cd)pyrene (ug/l)	Naphthalene (PAH) (ug/l)	Phenanthrene (ug/l)	Pyrene (ug/l)
Wisconsin Screening levels			0.97	27	400	400	3000	0.029	0.2	0.2	250	0.29	0.2	0.0029	400	400	0.029	100	3000	250
BW06		05/20/04	< 0.017	< 0.016	< 0.017	< 0.018	< 0.019	< 0.011	< 0.013	< 0.012	< 0.015	< 0.018	< 0.013	< 0.015	< 0.012	< 0.016	< 0.02	0.075	< 0.015	< 0.016
		11/24/04	< 0.2	< 0.23	< 0.19	< 0.19	< 0.18	< 0.2	< 0.18	< 0.018	< 0.21	< 0.19	< 0.16	< 0.22	< 0.16	< 0.22	< 0.17	< 0.22	< 0.2	< 0.16
		05/19/05	< 0.02	< 0.023	< 0.2	< 0.2	0.025	**0.045**	0.091	0.047	0.083	0.053	0.048	< 0.022	0.037	< 0.22	**0.048**	0.036	0.024	0.066
		12/12/12	0.016	0.0039	0.0061	0.0047	< 0.0057	0.0038	0.0031	0.0041	< 0.0048	0.0061	0.0074	< 0.0032	< 0.0044	< 0.0048	< 0.0047	0.048	< 0.0081	0.0053
		06/11/13	0.14	0.12	0.0079	0.092	< 0.007	0.0081	0.015	0.0065	0.0097	0.011	0.015	< 0.0039	0.0092	0.014	< 0.0057	0.48	< 0.0099	0.017
		12/03/13	0.15	0.13	0.041	0.11	0.023	0.024	0.029	< 0.014	0.02	0.027	0.038	< 0.013	0.041	0.028	< 0.019	1.2	0.05	0.059
BW15		05/20/04	**1.3**	0.32	0.22	< 0.018	< 0.019	< 0.011	< 0.013	< 0.012	< 0.015	< 0.018	< 0.013	< 0.015	< 0.012	0.043	< 0.02	5.9	0.031	< 0.016
		11/24/04	**28**	0.68	11	< 0.39	< 0.35	< 0.39	< 0.36	< 0.36	< 0.41	< 0.39	< 0.33	< 0.44	< 0.33	1.8	< 0.34	1.9	0.97	< 0.33
		05/19/05	**110**	< 0.45	38	0.99	0.36	< 0.39	< 0.36	< 0.36	< 0.41	< 0.39	< 0.33	< 0.44	< 0.33	6.1	< 0.34	**130**	2.2	< 0.33
MW701		08/15/95	--	--	**800**	< 2	23	**3.4**	**1.8**	**0.6**	1.2	**0.54**	**1.7**	**0.25**	49	130	**0.76**	**220**	100	20
		09/25/95	--	--	**680**	**1100**	17	**2**	**1**	**0.24**	0.67	**0.3**	**1**	**0.4**	29	100	**0.36**	**3800**	81	11
		12/21/98	**367**	**188**	**420**	< 1.3	32	**15**	**7.7**	**5.4**	4.5	**2.5**	**7.6**	**6.7**	56	92	**4.3**	**3740**	129	98
MW701R		06/25/02	--	--	**2500**	< 770	1300	< 630	**420**	< 470	< 500	< 430	**640**	**63**	**1300**	**790**	< 470	**9400**	**3500**	**1800**
		07/01/03	**420**	**480**	310	17	< 200	**45**	**35**	**16**	15	**19**	**42**	**3.5**	< 130	< 170	**10**	**2200**	260	< 170
		11/10/03	**420**	**480**	*400*	25	120	**100**	**66**	**28**	24	**30**	**72**	**6.2**	140	110	**18**	**2000**	420	**270**
		05/20/04	**270**	**280**	250	10	< 94	**30**	**21**	**9.4**	8.7	**11**	**24**	**1.9**	67	< 80	**6**	**1400**	240	120
		11/24/04	**260**	**250**	180	11	50	**23**	**17**	**6.4**	6.9	**9.1**	**21**	< 4.4	49	51	**4.9**	**1500**	140	64
		05/19/05	**240**	**230**	180	8.3	44	**18**	**16**	**7.8**	7.6	**9.9**	**21**	< 4.4	43	49	**4.8**	**1500**	150	61
		12/13/05	**180**	< 190	110	< 32	< 46	< 62	< 73	< 63	< 77	< 77	< 76	< 75	< 62	< 36	< 75	**850**	100	< 58
		06/26/06	**150**	**160**	120	8.7	28	**13**	**11**	< 7.8	< 9.6	< 9.7	**14**	< 9.4	29	32	< 9.4	**830**	120	44
		12/13/06	**130**	**130**	90	3.6	16	**4.8**	**3.7**	**1.8**	< 1.9	**2.3**	**4.4**	< 1.9	11	26	< 1.9	**810**	45	16
		06/18/07	**170**	**130**	160	< 41	< 58	< 78	< 92	< 78	< 96	< 97	< 95	< 94	< 77	< 45	< 94	**1100**	100	< 73
		12/05/07	**160**	**150**	140	5.4	33	**7**	**6.5**	< 3.1	< 3.9	**4.9**	**12**	< 3.8	22	34	< 3.8	**1000**	90	30
		06/26/08	**270**	**152**	189	18.9	132	**28.3**	**27.2**	**12.8**	16.9	**15.1**	**24.2**	**2.6**	44.8	52.4	**10.3**	**1080**	118	62.7
		12/18/08	**275**	**252**	203	5.4	24.6	**5.4**	**4.1**	**1.9**	1.9	**2.6**	**5.3**	**0.33**	< 20.2	43.2	**1.3**	**1780**	91.4	< 25.6
		06/30/09	**240**	**231**	258	< 18	129	**42.9**	**36.8**	< 17	< 24.1	< 21.8	**41.5**	< 16	92	83	< 23.4	**1240**	289	131
		12/08/09	**67.4**	**68.7**	55.9	3.3	18.8	**4.9**	**3.7**	**3.2**	< 2.4	**2.2**	**6.8**	**0.88**	12.7	13.9	< 2.3	**417**	44	19.6
		06/08/10	**113**	**109**	95.7	1.8	16.7	**2**	**1.6**	**0.62**	0.95	**1.2**	**2.8**	< 0.34	8.2	29.5	**0.58**	**793**	64.6	12
		12/02/10	**151**	**155**	135	3	36.3	**5.4**	**4**	**2.1**	1.8	**2.1**	**4.8**	**0.35**	14.9	39.4	**1.2**	**1110**	90.8	20.3
		06/01/11	**139**	**106**	109	< 9.3	28.4	< 9.3	< 7.4	< 8.7	< 12.4	< 11.2	< 9	< 8.2	16.5	34.2	< 12	**597**	84.5	24.3
		06/19/12	**59.4**	**45.8**	40.4	1.6	7.4	**2.1**	**1.7**	**0.7**	0.78	**1.1**	**2.4**	< 0.32	6.3	11.8	< 0.47	**355**	24.5	9
		12/12/12	**141**	**137**	115	4	24.7	**5.5**	**4.5**	**1.9**	1.9	**3**	**5.5**	< 0.32	18.5	37.5	**1.2**	**852**	93.6	20.1
		06/11/13	**128**	**102**	97.8	2.1	11.3	**0.91**	**0.63**	< 0.36	< 0.51	< 0.46	**1.3**	< 0.34	4.4	24.4	< 0.5	**933**	41.4	6.5
		12/03/13	**127**	**109**	94.6	< 7.2	16.4	< 7.2	< 5.7	< 6.8	< 9.6	< 8.7	< 7	< 6.4	9.8	25.2	< 9.4	**731**	51.3	13.2
MW702		08/15/95	--	--	390	< 2	19	**2.9**	**1.4**	**0.32**	0.93	**0.48**	**1.5**	**0.23**	41	150	**0.55**	**7300**	96	35
		09/25/95	--	--	*400*	**1400**	17	**3.7**	**1.8**	**0.66**	1.6	**0.73**	**1.9**	**0.28**	32	140	**0.76**	**6400**	90	13
MW703		08/15/95	--	--	180	< 2	17	**1.4**	**0.46**	0.1	0.24	0.16	**0.55**	**0.17**	28	70	**0.16**	**2400**	74	9.2
		09/25/95	--	--	220	**430**	14	**1.2**	**0.37**	0.05	0.34	0.12	**0.51**	**0.23**	19	54	**0.19**	**2700**	58	5.9
		12/21/98	**408**	< 0.92	262	< 1.3	5.9	**8.7**	**2.4**	**1.7**	1.6	**0.91**	< 0.092	< 0.25	10	45	**1.4**	**3080**	24	16
MW704		08/15/95	--	--	**770**	< 2	44	**26**	**22**	**8.9**	17	**7.9**	**19**	< 0.1	150	180	**10**	**5200**	220	56
		09/25/95	--	--	**440**	**1400**	20	**5**	**3.1**	**2.7**	< 0.1	**2.3**	**3.5**	< 0.1	36	120	< 0.1	**4200**	120	13
		12/21/98	**14**	3.6	1.6	5.9	6	**8.9**	**9.5**	**8.1**	7	**3.5**	**4.4**	< 0.25	21	10	**7.7**	22	19	26

Table 3. Groundwater Laboratory Analytical Results-Polynuclear Aromatic Hydrocarbons (PAH)
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
732 Water Street, Sheboygan, Wisconsin
USEPA #: WIN000510058

Sample ID	Sample Duplicate	Sample Date	1-Methylnaphthalene (ug/l)	2-Methylnaphthalene (ug/l)	Acenaphthene (ug/l)	Acenaphthylene (ug/l)	Anthracene (ug/l)	Benzo(a)anthracene (ug/l)	Benzo(a)pyrene (ug/l)	Benzo(b)fluoranthene (ug/l)	Benzo(ghi)perylene (ug/l)	Benzo(k)fluoranthene (ug/l)	Chrysene (ug/l)	Dibenz(a,h)anthracene (ug/l)	Fluoranthene (ug/l)	Fluorene (ug/l)	Indeno(1,2,3-cd)pyrene (ug/l)	Naphthalene (PAH) (ug/l)	Phenanthrene (ug/l)	Pyrene (ug/l)
Wisconsin Screening levels			0.97	27	400	400	3000	0.029	0.2	0.2	250	0.29	0.2	0.0029	400	400	0.029	100	3000	250
MW705		08/15/95	--	--	< 1	< 2	< 0.2	< 0.05	< 0.2	< 0.05	< 0.1	< 0.05	< 0.1	< 0.1	< 0.2	< 0.4	< 0.1	< 1	< 0.4	< 0.2
		09/25/95	--	--	< 1	< 2	< 0.2	< 0.05	< 0.2	< 0.05	< 0.1	< 0.05	< 0.1	< 0.1	< 0.2	< 0.4	< 0.1	< 1	< 0.4	< 0.2
		12/21/98	< 0.94	< 0.92	< 1.4	< 1.3	< 0.1	< 0.1	< 0.21	< 0.12	< 0.23	< 0.23	< 0.092	< 0.25	< 0.23	< 0.056	< 0.11	< 0.73	< 0.11	< 0.39
		06/25/02	--	--	< 0.018	< 0.023	< 0.02	< 0.019	< 0.012	< 0.014	< 0.015	< 0.013	< 0.018	< 0.017	< 0.028	< 0.021	< 0.014	< 0.027	< 0.019	< 0.02
		11/07/02	< 0.017	< 0.017	< 0.018	< 0.019	< 0.02	< 0.012	0.017	0.013	< 0.016	< 0.019	< 0.014	< 0.016	0.016	< 0.017	< 0.021	< 0.024	< 0.016	< 0.017
		04/15/03	< 0.018	0.031	< 0.018	< 0.019	< 0.02	< 0.012	< 0.014	< 0.013	< 0.016	< 0.019	< 0.014	< 0.016	< 0.013	< 0.017	< 0.021	0.1	< 0.016	< 0.017
		07/01/03	< 0.018	< 0.017	< 0.018	< 0.019	< 0.02	< 0.012	< 0.014	< 0.013	< 0.016	< 0.019	< 0.014	< 0.016	0.015	< 0.017	< 0.021	0.029	< 0.016	0.018
		09/30/03	< 0.018	< 0.017	< 0.018	< 0.019	< 0.02	0.016	0.014	< 0.013	< 0.016	< 0.019	0.014	< 0.016	0.014	< 0.017	< 0.021	0.059	< 0.016	0.02
		11/10/03	0.044	0.053	< 0.018	0.044	0.024	0.021	0.017	< 0.013	< 0.016	< 0.019	0.014	< 0.016	0.028	0.019	< 0.021	0.25	0.071	0.039
		05/20/04	0.082	0.04	0.019	< 0.018	< 0.019	0.017	0.02	0.015	< 0.015	< 0.018	0.016	< 0.015	0.025	< 0.016	< 0.02	0.39	0.022	0.029
		11/24/04	< 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	0.17	< 0.02	< 0.016
		05/19/05	< 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	0.055	< 0.02	< 0.016
		06/26/08	0.071	0.087	0.011	0.023	0.0066	< 0.0035	< 0.0054	< 0.0051	< 0.0062	< 0.0078	< 0.007	< 0.0043	0.0058	0.0088	< 0.0036	0.45	0.015	< 0.0068
MW706		08/15/95	--	--	**197000**	--	**177000**	**129000**	**83000**	**31000**	**62000**	**29000**	**82000**	**13000**	**266000**	**640000**	**32000**	--	**730000**	**142000**
		09/25/95	--	--	**9400**	**82000**	**15000**	**11000**	**6700**	**2400**	**4900**	**980**	**5400**	< 10	**8400**	**57000**	**2700**	**166000**	**56000**	**9700**
		06/25/02	--	--	< 290	**2700**	1400	**1000**	**830**	**270**	**270**	**460**	**920**	< 270	**2200**	**1200**	**320**	**7100**	**3200**	**2200**
		07/01/03	**510**	**640**	34	370	< 200	< 120	< 140	**29**	21	**31**	< 140	**6.4**	< 130	< 170	**18**	**2200**	250	< 170
		11/10/03	**510**	**640**	41	*400*	140	**190**	**130**	**70**	43	**70**	**130**	**14**	280	150	**38**	**2900**	410	**360**
		05/20/04	**130**	**140**	16	220	43	**65**	**87**	**44**	31	**36**	**47**	**11**	80	40	**27**	**680**	110	130
		11/24/04	**640**	**840**	97	**510**	240	**270 E**	**180**	**78**	60	**98**	**190 E**	**18**	260	240	**54**	**2600**	720	**300**
		05/19/05	**120**	**75**	< 7.8	80	< 7.1	< 7.8	< 7.2	< 7.2	< 8.3	< 7.7	< 6.6	< 8.8	< 6.6	< 8.7	< 6.8	**500**	< 8.2	< 6.5
		12/13/05	**130**	**35**	12	74	34	**30**	**34**	**19**	14	**16**	**23**	**3.9**	38	40	**12**	8.3	56	50
		06/26/06	0.28	< 0.28	1.6	5.2	0.83	**1.1**	**1.8**	**0.99**	0.83	**0.81**	**0.87**	< 0.47	1.8	0.47	**0.69**	0.42	0.52	2.2
		12/13/06	**10**	5.1	5.9	31	11	**16**	**21**	**11**	8.9	**11**	**13**	**1.9**	22	6.7	**6.8**	5.2	14	26
		06/18/07	**110000**	**200000**	< 18000	**99000**	**49000**	< 35000	< 41000	< 35000	< 43000	< 43000	< 43000	**2600**	**54000**	**55000**	< 42000	**420000**	**170000**	**58000**
		12/05/07	**620**	**680**	44	**430**	< 120	**56**	**52**	**23**	23	**33**	**59**	**5.1**	**120 E**	130	**18**	**2900**	170	140
		06/26/08	**42.6**	7.8	4.2	40.1	6.3	**5.8**	**6.9**	**3.6**	3.5	**4.5**	**7.3**	< 0.43	11.2	4.4	**2.3**	< 1.6	7.1	16.4
		12/18/08	**1570000**	**2420000**	**140000**	**1210000**	**596000**	**265000**	**200000**	**105000**	**106000**	**177000**	**350000**	< 41900	**624000**	**729000**	**86200**	**5550000**	**2080000**	**915000**
		06/30/09	**163**	**158**	7.6	92.5	7.9	**0.76**	**0.36**	< 0.34	< 0.48	**0.46**	**0.81**	< 0.32	3.5	26.2	< 0.47	**1240**	21.7	4.1
		12/08/09	**178**	**191**	9.5	138	11.8	**1.8**	**1.3**	**0.92**	0.48	**0.59**	**1.6**	< 0.32	5.3	40.7	< 0.47	**841**	36.6	7.2
		06/08/10	**322**	**433**	15.9	206	14.3	**1.6**	**1**	**0.49**	0.6	**0.83**	**1.8**	< 0.34	5.2	55.6	< 0.5	**2910**	53	8.9
		12/02/10	**251**	**144**	15.5	200	11.2	**0.75**	**0.52**	< 0.34	< 0.48	< 0.44	**0.94**	< 0.32	4.3	47.9	< 0.47	**1340**	33.9	5.5
		06/01/11	**146**	**151**	< 22.6	90.1	< 28.7	< 18.1	< 14.3	< 17	< 24.1	< 21.8	< 17.4	< 16	< 22	26.4	< 23.4	**1160**	< 40.5	< 23.7
		06/19/12	**42.1**	**31.2**	2.9	32.1	2.7	**0.5**	**0.36**	< 0.17	< 0.24	**0.3**	**0.57**	< 0.16	1.8	7.1	< 0.23	**222**	9.9	2
		12/12/12	**80.7**	9.1	6.9	47.9	3.1	**0.3**	0.19	< 0.17	< 0.25	< 0.22	**0.32**	< 0.16	1.8	12.9	< 0.24	37	2.8	1.6
		06/11/13	**109**	**108**	6.4	87.6	9.7	**3.4**	**2.8**	**1.3**	1.1	**1.9**	**3.6**	< 0.38	9.5	24.8	**0.86**	**349**	4.8	10.9
		12/03/13	**262**	**314**	< 22.6	166	32.8	< 18.1	< 14.3	< 17	< 24.1	< 21.8	< 17.4	< 16	23.9	67.6	< 23.4	**1800**	103	30.1
MW707		08/15/95	--	--	**430**	< 2	12	**2.2**	**1.6**	**0.38**	1.3	**0.52**	**1.3**	**0.25**	27	93	**0.74**	**3100**	60	12
		09/25/95	--	--	240	**1400**	10	**0.4**	**0.66**	**0.23**	0.83	0.19	**0.64**	**0.4**	21	81	**0.35**	**3400**	60	4.8
		12/21/98	**454**	< 0.92	221	< 1.3	15	< 0.1	**2.1**	< 0.12	1.7	**0.76**	**2.2**	< 0.25	28	64	**1.3**	**3470**	69	58

Table 3. Groundwater Laboratory Analytical Results-Polynuclear Aromatic Hydrocarbons (PAH)
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
732 Water Street, Sheboygan, Wisconsin
USEPA #: WIN000510058

Sample ID	Sample Duplicate	Sample Date	1-Methylnaphthalene (ug/l)	2-Methylnaphthalene (ug/l)	Acenaphthene (ug/l)	Acenaphthylene (ug/l)	Anthracene (ug/l)	Benzo(a)anthracene (ug/l)	Benzo(a)pyrene (ug/l)	Benzo(b)fluoranthene (ug/l)	Benzo(ghi)perylene (ug/l)	Benzo(k)fluoranthene (ug/l)	Chrysene (ug/l)	Dibenz(a,h)anthracene (ug/l)	Fluoranthene (ug/l)	Fluorene (ug/l)	Indeno(1,2,3-cd)pyrene (ug/l)	Naphthalene (PAH) (ug/l)	Phenanthrene (ug/l)	Pyrene (ug/l)
Wisconsin Screening levels			0.97	27	400	400	3000	0.029	0.2	0.2	250	0.29	0.2	0.0029	400	400	0.029	100	3000	250
MW707R		06/25/02	--	--	< 120	6.4	6.2	**1.8**	**1.2**	**0.73**	0.61	**0.51**	**1.2**	< 0.34	7.5	< 130	**0.48**	**1600**	< 120	7.3
		07/01/03	**270**	18	< 180	6.8	9	**1.8**	**1.5**	< 1.3	< 1.6	< 1.9	**1.8**	< 1.6	9.6	39	< 2.1	**1800**	< 160	12
		11/10/03	**310**	21	< 180	11	13	**6.8**	**5.2**	**2.7**	2.3	**2.6**	**5.6**	< 1.6	18	47	< 2.1	**2000**	< 160	29
		05/20/04	**230**	14	43	6.1	12	**5.2**	**4.1**	**2**	2.2	**2.3**	**4.4**	< 1.5	15	31	< 2	**1600**	77	19
		11/24/04	**250**	14	57	6.3	6.1	< 3.9	< 3.6	< 3.6	< 4.1	< 3.9	< 3.3	< 4.4	3.6	31	< 3.4	**1700**	34	3.4
		05/19/05	**250**	21	55	< 7.8	8.3	< 7.9	< 7.3	< 7.2	< 8.3	< 7.8	< 6.6	< 8.9	6.9	29	< 6.9	**1900**	48	7.7
		12/13/05	**200**	16	39	3.9	5.7	< 1.6	< 1.8	< 1.6	< 1.9	< 1.9	< 1.9	< 1.9	3.7	25	< 1.9	**1700**	33	4.1
		06/26/06	**220**	16	50	5.9	8.4	< 7.8	< 9.2	< 7.8	< 9.6	< 9.7	< 9.5	< 9.4	< 7.7	29	< 9.4	**1800**	38	< 7.3
		12/13/06	**110**	4.8	25	2.7	4.9	< 3.9	< 4.6	< 3.9	< 4.8	< 4.8	< 4.7	< 4.7	< 3.9	14	< 4.7	**310**	17	< 3.6
		06/18/07	**160**	< 56	< 41	< 41	< 58	< 78	< 92	< 78	< 96	< 97	< 95	< 94	< 77	< 45	< 94	**1500**	< 57	< 73
		12/05/07	**130**	9.1	37	3.8	9.4	**0.32**	< 0.37	< 0.31	< 0.39	< 0.39	< 0.38	< 0.38	5.3	24	< 0.38	**1100**	40	5.6
		06/26/08	**70.9**	3.5	< 15.6	2.1	2	**0.16**	0.15	< 0.1	< 0.12	< 0.16	0.18	< 0.086	1	9	< 0.072	**520**	7.8	1.4
		12/18/08	**157**	< 42.8	40	< 19.9	< 26	< 13.9	< 21.6	< 20.6	< 25	< 31.1	< 28	< 17.2	< 21.4	< 25.1	< 14.4	**1260**	< 29.9	< 27
		06/30/09	**107**	10	33.8	< 7.2	< 11.5	**0.11**	0.042	0.026	0.013	0.023	0.088	< 0.0032	< 8.8	15.1	0.01	**839**	17.2	< 9.5
		12/08/09	**80.7**	4.7	25.2	2	4	**0.088**	0.041	0.03	0.018	0.024	0.076	**0.0032**	< 2.2	8.6	0.011	**417**	10.4	< 2.4
		06/08/10	**80.6**	7.9	29.1	1.9	3.8	< 0.38	< 0.3	< 0.36	< 0.51	< 0.46	< 0.37	< 0.34	1.6	14.4	< 0.5	**455**	17.7	1.8
		12/02/10	**150**	13.1	51.2	4.1	7.5	**0.14**	< 0.057	< 0.068	< 0.096	< 0.087	0.17	< 0.064	3	21.7	< 0.094	**974**	26.7	3.4
		06/01/11	**65.4**	0.37	21.7	1.1	1.3	< 0.075	< 0.059	< 0.07	< 0.099	< 0.09	0.083	< 0.066	0.93	11.4	< 0.096	0.89	< 0.17	1
		06/19/12	**55.2**	2.8	18.2	1.5	2.7	< 0.072	< 0.057	< 0.068	< 0.096	< 0.087	0.077	< 0.064	1.2	9.8	< 0.094	**266**	12.4	1.2
		12/12/12	**87.3**	3.6	30.9	2	3.7	< 0.073	< 0.058	< 0.069	< 0.097	< 0.088	0.088	< 0.065	1.7	14.7	< 0.094	**192**	17.4	1.5
		06/11/13	**58.6**	0.99	19.9	1.2	1.4	< 0.42	< 0.33	< 0.39	< 0.55	< 0.5	< 0.4	< 0.37	0.7	7.5	< 0.54	79	4.4	0.84
		12/03/13	**64.1**	7.3	26.8	< 3.6	< 5.7	< 3.6	< 2.9	< 3.4	< 4.8	< 4.4	< 3.5	< 3.2	< 4.4	10.2	< 4.7	**300**	10.9	< 4.7
MW708		12/21/98	< 0.94	< 0.92	< 1.4	< 1.3	< 0.1	< 0.1	< 0.21	< 0.12	< 0.23	< 0.23	< 0.092	< 0.25	< 0.23	< 0.056	< 0.11	< 0.73	< 0.11	< 0.39
		06/25/02	--	--	< 0.018	< 0.023	< 0.02	< 0.019	0.014	< 0.014	< 0.015	< 0.013	< 0.018	< 0.017	< 0.028	< 0.021	< 0.014	< 0.027	< 0.019	< 0.02
		11/07/02	< 0.017	< 0.017	< 0.018	< 0.019	< 0.02	< 0.012	< 0.014	< 0.013	< 0.016	< 0.019	< 0.014	< 0.016	< 0.013	< 0.017	< 0.021	< 0.024	< 0.016	< 0.017
		04/15/03	0.019	0.026	< 0.018	< 0.019	< 0.02	< 0.012	< 0.014	< 0.013	< 0.016	< 0.019	< 0.014	< 0.016	< 0.013	< 0.017	< 0.021	0.088	< 0.016	< 0.017
		07/01/03	0.2	0.2	0.056	0.032	< 0.02	< 0.012	< 0.014	< 0.013	< 0.016	< 0.019	< 0.014	< 0.016	< 0.013	0.02	< 0.021	1.5	0.024	< 0.017
		09/30/03	< 0.018	< 0.017	< 0.018	< 0.019	< 0.02	< 0.012	< 0.014	< 0.013	< 0.016	< 0.019	< 0.014	< 0.016	< 0.013	< 0.017	< 0.021	0.23	< 0.016	< 0.017
		11/10/03	0.16	0.19	0.031	0.27	0.11	**0.11**	0.068	0.033	0.026	0.038	0.071	< 0.016	0.15	0.11	0.022	0.38	0.36	0.22
		05/20/04	0.048	0.02	< 0.017	< 0.018	< 0.019	< 0.011	< 0.013	< 0.012	< 0.015	< 0.018	< 0.013	< 0.015	< 0.012	< 0.016	< 0.02	0.29	< 0.015	< 0.016
		11/24/04	0.2	0.19	0.14	< 0.02	0.039	< 0.02	< 0.018	< 0.018	< 0.021	< 0.019	< 0.017	< 0.022	0.036	0.046	< 0.017	1.8	0.13	0.043
		05/19/05	0.1	< 0.023	0.028	< 0.02	< 0.018	< 0.02	< 0.018	< 0.018	< 0.021	< 0.02	< 0.017	< 0.022	< 0.017	< 0.022	< 0.017	0.31	< 0.021	< 0.017
		12/13/05	< 0.01	< 0.011	< 0.0082	< 0.0081	< 0.012	< 0.016	< 0.018	< 0.016	< 0.019	< 0.019	< 0.019	< 0.019	< 0.015	< 0.0091	< 0.019	< 0.047	< 0.011	< 0.015
		06/26/06	< 0.01	< 0.011	< 0.0082	0.029	0.016	0.025	0.021	< 0.016	< 0.019	< 0.019	0.023	< 0.019	0.035	< 0.0091	< 0.019	0.04	0.023	0.046
		12/13/06	< 0.01	< 0.011	< 0.0082	< 0.0081	< 0.012	< 0.016	< 0.018	< 0.016	< 0.019	< 0.019	< 0.019	< 0.019	< 0.015	< 0.0091	< 0.019	0.014	< 0.011	< 0.015
		06/18/07	0.012	0.019	< 0.0082	0.022	< 0.012	< 0.016	0.019	< 0.016	< 0.019	< 0.019	< 0.019	< 0.019	0.018	< 0.0091	< 0.019	0.046	0.02	0.023
		12/05/07	< 0.01	< 0.012	< 0.0084	0.016	< 0.012	0.016	< 0.019	< 0.016	< 0.02	< 0.02	0.03	< 0.019	0.026	< 0.0093	< 0.019	0.015	< 0.012	0.034
		06/26/08	< 0.0095	< 0.011	< 0.0078	0.013	0.0086	0.0087	0.0075	0.0051	0.0071	< 0.0078	0.0083	< 0.0043	0.011	< 0.0063	< 0.0036	< 0.016	0.0098	0.013
		12/18/08	< 0.0095	< 0.011	< 0.0078	< 0.005	< 0.0065	< 0.0035	< 0.0054	< 0.0051	< 0.0062	< 0.0078	< 0.007	< 0.0043	< 0.0053	< 0.0063	< 0.0036	0.036	< 0.0075	< 0.0068
		06/30/09	0.061	0.085	0.0077	0.025	< 0.0057	< 0.0036	< 0.0029	< 0.0034	< 0.0048	< 0.0044	< 0.0035	< 0.0032	0.012	0.017	< 0.0047	0.37	0.038	0.0071
		12/08/09	< 0.005	< 0.0039	< 0.0045	< 0.0036	< 0.0057	< 0.0036	< 0.0029	< 0.0034	< 0.0048	< 0.0044	< 0.0035	< 0.0032	< 0.0044	< 0.0048	< 0.0047	0.012	< 0.0081	< 0.0047
		06/08/10	< 0.0053	0.005	< 0.0048	< 0.0038	< 0.0061	< 0.0038	< 0.003	< 0.0036	< 0.0051	< 0.0046	< 0.0037	< 0.0034	< 0.0047	< 0.0051	< 0.005	0.026	< 0.0086	< 0.005
		12/02/10	< 0.005	< 0.0039	< 0.0045	< 0.0036	< 0.0057	< 0.0036	0.003	0.0037	< 0.0048	< 0.0044	0.0045	< 0.0032	0.0047	< 0.0048	< 0.0047	0.01	< 0.0081	< 0.0047
		06/01/11	< 0.0051	0.0044	< 0.0047	< 0.0037	< 0.0059	0.0042	< 0.0029	< 0.0035	< 0.005	< 0.0045	0.005	< 0.0033	0.0067	< 0.0049	< 0.0048	0.0085	< 0.0083	0.0065
		06/19/12	0.026	0.013	0.0083	0.063	0.025	**0.039**	0.036	0.022	0.016	0.028	0.045	< 0.0032	0.067	0.022	0.01	0.039	0.049	0.097
		12/12/12	0.0099	0.0096	0.0092	0.011	0.01	0.0083	0.0089	0.0057	0.0064	0.0093	0.013	< 0.0032	0.013	< 0.0048	< 0.0047	0.059	0.017	0.019
		06/11/13	0.05	0.041	0.031	0.0059	< 0.0061	< 0.0038	< 0.003	0.0036	< 0.0051	< 0.0046	0.0068	< 0.0034	0.0054	0.0061	< 0.005	0.38	< 0.0086	0.0072
		12/03/13	< 0.005	< 0.0039	< 0.0045	0.0079	0.0082	0.0064	0.0081	0.0066	0.0062	0.007	0.013	< 0.0032	0.011	< 0.0048	< 0.0047	0.01	< 0.0081	0.014
MW709		12/21/98	< 0.94	< 0.92	3.4	< 1.3	2.9	**1.3**	**0.3**	**0.51**	< 0.23	< 0.23	**0.66**	< 0.25	6.6	3.3	< 0.11	4.6	8.4	10

Table 3. Groundwater Laboratory Analytical Results-Polynuclear Aromatic Hydrocarbons (PAH)
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
732 Water Street, Sheboygan, Wisconsin
USEPA #: WIN000510058

Sample ID	Sample Duplicate	Sample Date	1-Methylnaphthalene (ug/l)	2-Methylnaphthalene (ug/l)	Acenaphthene (ug/l)	Acenaphthylene (ug/l)	Anthracene (ug/l)	Benzo(a)anthracene (ug/l)	Benzo(a)pyrene (ug/l)	Benzo(b)fluoranthene (ug/l)	Benzo(ghi)perylene (ug/l)	Benzo(k)fluoranthene (ug/l)	Chrysene (ug/l)	Dibenz(a,h)anthracene (ug/l)	Fluoranthene (ug/l)	Fluorene (ug/l)	Indeno(1,2,3-cd)pyrene (ug/l)	Naphthalene (PAH) (ug/l)	Phenanthrene (ug/l)	Pyrene (ug/l)
Wisconsin Screening levels			0.97	27	400	400	3000	0.029	0.2	0.2	250	0.29	0.2	0.0029	400	400	0.029	100	3000	250
MW709R		06/25/02	--	--	0.13	< 0.023	0.032	< 0.019	0.1	< 0.014	< 0.015	< 0.013	< 0.018	< 0.017	< 0.028	0.041	< 0.014	1.8	0.084	0.027
		11/07/02	< 0.017	< 0.017	< 0.018	< 0.019	< 0.02	< 0.012	< 0.014	< 0.013	< 0.016	< 0.019	< 0.014	< 0.016	< 0.013	< 0.017	< 0.021	< 0.024	< 0.016	< 0.017
		04/15/03	0.02	0.034	< 0.018	< 0.019	< 0.02	< 0.012	< 0.014	< 0.013	< 0.016	< 0.019	< 0.014	< 0.016	< 0.013	< 0.017	< 0.021	0.12	< 0.016	< 0.017
		07/01/03	0.02	0.019	< 0.018	< 0.019	< 0.02	< 0.012	< 0.014	< 0.013	< 0.016	< 0.019	< 0.014	< 0.016	< 0.013	< 0.017	< 0.021	0.04	< 0.016	< 0.017
		09/30/03	< 0.018	< 0.017	< 0.018	< 0.019	< 0.02	< 0.012	< 0.014	< 0.013	< 0.016	< 0.019	< 0.014	< 0.016	< 0.013	< 0.017	< 0.021	< 0.024	< 0.016	< 0.017
		11/10/03	< 0.018	< 0.017	< 0.018	< 0.019	0.022	0.016	< 0.014	< 0.013	< 0.016	< 0.019	0.015	< 0.016	0.027	< 0.017	< 0.021	0.05	0.064	0.033
		05/20/04	0.057	0.023	< 0.017	< 0.018	< 0.019	< 0.011	< 0.013	< 0.012	< 0.015	< 0.018	< 0.013	< 0.015	< 0.012	< 0.016	< 0.02	0.38	< 0.015	< 0.016
		11/24/04	< 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	0.032	< 0.02	< 0.016
		05/19/05	< 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	0.084	< 0.02	< 0.016
		12/13/05	< 0.01	0.012	< 0.0082	< 0.0081	0.015	< 0.016	< 0.018	< 0.016	< 0.019	< 0.019	< 0.019	< 0.019	0.017	< 0.0091	< 0.019	< 0.047	0.016	0.025
		06/26/06	< 0.01	< 0.011	< 0.0082	< 0.0081	0.013	< 0.016	< 0.018	< 0.016	< 0.019	< 0.019	< 0.019	< 0.019	< 0.015	< 0.0091	< 0.019	0.047	< 0.011	< 0.015
		12/13/06	0.029	0.031	0.012	< 0.0081	< 0.012	< 0.016	< 0.018	< 0.016	< 0.019	< 0.019	< 0.019	< 0.019	< 0.015	< 0.0091	< 0.019	0.18	< 0.011	< 0.015
		06/18/07	0.032	0.056	< 0.0082	0.012	< 0.012	< 0.016	< 0.018	< 0.016	< 0.019	< 0.019	< 0.019	< 0.019	< 0.015	< 0.0091	< 0.019	0.19	0.012	< 0.015
		12/05/07	< 0.01	< 0.011	< 0.0082	< 0.0082	< 0.012	< 0.016	< 0.019	< 0.016	< 0.019	< 0.02	< 0.019	< 0.019	< 0.016	< 0.0091	< 0.019	0.035	< 0.011	< 0.015
		06/26/08	< 0.0095	< 0.011	< 0.0078	< 0.005	< 0.0065	< 0.0035	< 0.0054	< 0.0051	< 0.0062	< 0.0078	< 0.007	< 0.0043	< 0.0053	< 0.0063	< 0.0036	0.022	< 0.0075	< 0.0068
		12/18/08	< 0.0095	0.014	< 0.0078	< 0.005	0.02	< 0.0035	< 0.0054	< 0.0051	< 0.0062	< 0.0078	< 0.007	< 0.0043	< 0.0053	< 0.0063	< 0.0036	0.061	< 0.0075	< 0.0068
		06/30/09	< 0.005	0.0053	< 0.0045	< 0.0036	< 0.0057	< 0.0036	< 0.0029	< 0.0034	< 0.0048	< 0.0044	< 0.0035	< 0.0032	< 0.0044	< 0.0048	< 0.0047	0.04	< 0.0081	< 0.0047
		12/08/09	< 0.005	0.0086	< 0.0045	0.0039	0.016	< 0.0036	< 0.0029	< 0.0034	< 0.0048	< 0.0044	< 0.0035	< 0.0032	< 0.0044	< 0.0048	< 0.0047	0.03	< 0.0081	< 0.0047
		06/08/10	< 0.0053	0.006	< 0.0048	< 0.0038	0.02	< 0.0038	< 0.003	< 0.0036	< 0.0051	< 0.0046	< 0.0037	< 0.0034	< 0.0047	< 0.0051	< 0.005	0.022	< 0.0086	< 0.005
		12/02/10	< 0.005	0.004	< 0.0045	< 0.0036	0.012	< 0.0036	< 0.0029	< 0.0034	< 0.0048	< 0.0044	< 0.0035	< 0.0032	0.005	< 0.0048	< 0.0047	0.011	< 0.0081	< 0.0047
		06/01/11	< 0.005	0.0072	< 0.0045	< 0.0036	0.014	< 0.0036	< 0.0029	< 0.0034	< 0.0048	< 0.0044	< 0.0035	< 0.0032	0.0049	< 0.0048	< 0.0047	0.012	< 0.0081	< 0.0047
		06/19/12	< 0.005	< 0.0039	< 0.0046	< 0.0036	0.017	< 0.0037	< 0.0029	< 0.0034	< 0.0049	< 0.0044	< 0.0035	< 0.0032	< 0.0044	< 0.0048	< 0.0047	0.01	< 0.0082	< 0.0048
		12/12/12	< 0.0051	< 0.0039	< 0.0046	< 0.0037	0.028	< 0.0037	< 0.0029	< 0.0035	< 0.0049	< 0.0045	< 0.0035	< 0.0033	< 0.0045	< 0.0049	< 0.0048	0.0085	< 0.0082	< 0.0048
		06/11/13	0.014	0.016	< 0.0054	0.0085	0.02	< 0.0043	< 0.0034	< 0.004	< 0.0057	< 0.0052	< 0.0041	< 0.0038	< 0.0052	< 0.0057	< 0.0056	0.051	< 0.0096	< 0.0057
		12/03/13	< 0.005	0.0055	< 0.0045	0.0068	0.038	< 0.0036	0.0032	< 0.0034	< 0.0048	0.0047	0.0072	< 0.0032	0.011	< 0.0048	< 0.0047	0.019	0.011	0.011
PZ701		08/17/95	--	--	< 1	< 2	1.5	**0.89**	**0.43**	**0.21**	0.24	0.18	**0.61**	< 0.1	3.3	1	< 0.1	< 1	6.6	2.1
		09/26/95	--	--	< 1	< 2	0.25	**0.13**	< 0.2	< 0.05	< 0.1	< 0.05	0.13	< 0.1	0.7	< 0.4	< 0.1	< 1	0.8	0.77
		12/21/98	< 0.94	< 0.92	< 1.4	< 1.3	0.23	**0.25**	< 0.21	< 0.12	< 0.23	< 0.23	< 0.092	< 0.25	0.6	0.42	< 0.11	7.3	0.8	1.1
		06/25/02	--	--	0.04	0.059	0.073	**0.13**	0.1	0.084	0.059	0.065	0.092	**0.018**	0.23	< 0.021	**0.058**	0.18	0.1	0.19
		11/07/02	0.076	< 0.051	0.11	0.087	0.15	**0.19**	0.16	0.17	0.16	0.14	0.16	< 0.048	0.44	0.053	**0.13**	0.34	0.38	0.38
		04/15/03	0.045	0.045	< 0.018	< 0.019	0.023	0.019	0.017	0.017	0.017	< 0.019	0.015	< 0.016	0.029	< 0.017	< 0.021	0.067	0.032	0.034
		09/30/03	0.046	0.042	0.043	0.13	0.23	**0.42**	**0.24**	0.19	0.15	0.17	**0.27**	**0.067**	0.82	0.056	**0.14**	0.22	0.89	0.82
		11/10/03	0.27	0.17	0.28	0.68	1.2	**2.4**	**1.5**	**1.1**	0.65	**1.1**	**1.5**	**0.24**	4.4	0.34	**0.6**	1.3	4.6	4.2
		05/24/04	0.05	0.017	0.055	< 0.018	0.022	< 0.011	< 0.013	< 0.012	< 0.015	< 0.018	< 0.013	< 0.015	0.014	0.018	< 0.02	0.22	0.029	0.017
		11/24/04	0.81	0.72	0.44	0.084	0.077	< 0.02	< 0.018	< 0.018	< 0.021	< 0.02	< 0.017	< 0.022	0.029	0.13	< 0.017	4.3	0.23	0.038
		05/19/05	< 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	0.066	< 0.002	< 0.016
		12/13/05	0.061	0.023	< 0.0082	0.016	< 0.012	< 0.016	< 0.018	< 0.016	< 0.019	< 0.019	< 0.019	< 0.019	< 0.015	< 0.0091	< 0.019	< 0.047	< 0.011	< 0.015
		06/26/06	< 0.01	< 0.011	< 0.0082	< 0.0081	< 0.012	< 0.016	< 0.018	< 0.016	< 0.019	< 0.019	< 0.019	< 0.019	< 0.015	< 0.0091	< 0.019	0.031	< 0.011	< 0.015
		12/13/06	< 0.01	< 0.011	< 0.0082	0.017	< 0.012	0.017	< 0.018	< 0.016	< 0.019	< 0.019	< 0.019	< 0.019	0.024	< 0.0091	< 0.019	0.016	0.013	0.026
		06/18/07	< 0.01	< 0.011	< 0.0082	0.012	< 0.012	< 0.016	0.019	< 0.016	< 0.019	< 0.019	0.019	< 0.019	0.02	< 0.0091	< 0.019	0.028	< 0.011	0.023
		12/05/07	< 0.011	< 0.013	< 0.0091	0.011	< 0.013	< 0.017	< 0.02	< 0.017	< 0.022	< 0.022	< 0.021	< 0.021	0.028	< 0.01	< 0.021	< 0.014	< 0.013	0.027
		06/26/08	< 0.0095	< 0.011	< 0.0078	< 0.005	< 0.0065	0.01	0.0072	0.0097	0.0096	0.01	0.0096	**0.0052**	0.0075	< 0.0063	0.0069	< 0.016	< 0.0075	< 0.0068
		12/18/08	0.2	0.35	0.03	0.13	0.051	0.0085	0.0058	0.0064	< 0.0062	< 0.0078	0.0093	< 0.0043	0.021	0.082	< 0.0036	1.1	0.14	0.024
		06/30/09	0.035	0.023	0.017	0.0045	0.0078	0.0039	0.0037	0.0035	< 0.0048	< 0.0044	0.0041	< 0.0032	0.0075	0.0067	< 0.0047	0.36	0.014	0.0087
		12/08/09	0.036	0.0089	0.0088	< 0.0036	< 0.0057	< 0.0036	< 0.0029	< 0.0034	< 0.0048	< 0.0044	< 0.0035	< 0.0032	< 0.0044	< 0.0048	< 0.0047	0.26	< 0.0081	< 0.0047
		06/08/10	0.11	0.13	0.031	0.07	0.05	0.0066	0.0059	0.0051	0.0071	0.0054	0.01	< 0.0034	0.037	0.066	< 0.005	0.54	0.18	0.045
		12/02/10	0.027	0.016	0.022	0.0075	0.0084	< 0.0036	< 0.0029	< 0.0034	< 0.0048	< 0.0044	< 0.0035	< 0.0032	0.0055	0.0083	< 0.0047	0.15	0.011	0.0069
		06/01/11	< 0.005	< 0.0039	< 0.0045	0.0092	0.0058	0.0081	0.0058	0.0055	0.01	0.0077	0.0089	**0.0054**	0.0095	< 0.0048	0.0053	0.005	< 0.0081	0.01
		06/19/12	0.0061	0.0063	< 0.0045	0.013	0.014	0.0089	0.01	0.0076	0.0084	0.012	0.013	< 0.0032	0.014	< 0.0048	< 0.0047	0.029	< 0.0081	0.018
		12/12/12	0.12	0.11	0.044	0.05	0.022	0.016	0.016	0.0094	0.0083	0.015	0.018	< 0.0032	0.023	0.013	0.0058	0.67	0.024	0.027
		06/11/13	0.0071	0.01	< 0.0048	0.025	0.014	0.0098	0.012	0.009	0.0095	0.013	0.018	< 0.0034	0.022	< 0.0051	0.0061	0.034	0.011	0.022
		12/03/13	0.72	0.34	0.44	0.051	0.033	< 0.018	< 0.014	< 0.017	< 0.024	< 0.022	0.019	< 0.016	< 0.022	0.093	< 0.023	2.5	0.08	0.025

Table 3. Groundwater Laboratory Analytical Results-Polynuclear Aromatic Hydrocarbons (PAH)
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
732 Water Street, Sheboygan, Wisconsin
USEPA #: WIN000510058

Sample ID	Sample Duplicate	Sample Date	1-Methylnaphthalene (ug/l)	2-Methylnaphthalene (ug/l)	Acenaphthene (ug/l)	Acenaphthylene (ug/l)	Anthracene (ug/l)	Benzo(a)anthracene (ug/l)	Benzo(a)pyrene (ug/l)	Benzo(b)fluoranthene (ug/l)	Benzo(ghi)perylene (ug/l)	Benzo(k)fluoranthene (ug/l)	Chrysene (ug/l)	Dibenz(a,h)anthracene (ug/l)	Fluoranthene (ug/l)	Fluorene (ug/l)	Indeno(1,2,3-cd)pyrene (ug/l)	Naphthalene (PAH) (ug/l)	Phenanthrene (ug/l)	Pyrene (ug/l)
Wisconsin Screening levels			0.97	27	400	400	3000	0.029	0.2	0.2	250	0.29	0.2	0.0029	400	400	0.029	100	3000	250
PZ702		12/21/98	< 0.94	< 0.92	< 1.4	< 1.3	0.44	**0.9**	< 0.21	*0.2*	< 0.23	< 0.23	**0.27**	< 0.25	1.5	0.5	< 0.11	1.2	1.5	2.3
		06/25/02	--	--	< 0.018	0.059	< 0.02	< 0.019	< 0.012	< 0.014	< 0.015	< 0.013	< 0.018	< 0.017	< 0.028	0.03	< 0.014	0.42	0.063	0.021
		11/07/02	0.031	0.032	< 0.018	0.023	< 0.02	0.015	< 0.014	< 0.013	0.016	< 0.019	0.023	< 0.016	0.039	0.02	< 0.021	0.087	0.084	0.046
		04/15/03	0.054	0.045	< 0.018	< 0.019	< 0.02	0.013	< 0.014	< 0.013	< 0.016	< 0.019	< 0.014	< 0.016	0.013	0.017	< 0.021	0.12	0.042	0.018
		07/01/03	0.029	0.022	< 0.018	0.037	< 0.02	< 0.012	< 0.014	< 0.013	< 0.016	< 0.019	0.014	< 0.016	0.022	< 0.017	< 0.021	0.045	0.058	0.033
		09/30/03	< 0.018	< 0.017	< 0.018	< 0.019	< 0.02	< 0.012	< 0.014	< 0.013	< 0.016	< 0.019	< 0.014	< 0.016	< 0.013	< 0.017	< 0.021	0.049	0.019	< 0.017
		11/10/03	0.03	0.032	0.027	0.03	0.025	**0.038**	0.034	0.019	0.019	< 0.019	0.033	< 0.016	0.046	0.02	< 0.021	0.13	0.082	0.08
		05/20/04	0.029	0.034	< 0.017	0.031	< 0.019	< 0.011	< 0.013	< 0.012	< 0.015	< 0.018	0.015	< 0.015	0.017	< 0.016	< 0.02	0.6	0.028	0.027
		11/24/04	0.068	0.063	< 0.019	0.023	< 0.018	< 0.02	< 0.018	< 0.018	< 0.021	< 0.019	< 0.016	< 0.022	< 0.016	< 0.022	< 0.017	0.46	< 0.02	< 0.016
		05/19/05	0.023	0.026	< 0.02	< 0.02	< 0.019	< 0.021	< 0.019	< 0.019	< 0.022	< 0.02	< 0.017	< 0.023	< 0.017	< 0.023	< 0.018	0.16	< 0.021	< 0.017
		12/13/05	< 0.01	< 0.011	< 0.0082	< 0.0081	< 0.012	< 0.016	< 0.018	< 0.016	< 0.019	< 0.019	< 0.019	< 0.019	< 0.015	< 0.0091	< 0.019	< 0.047	< 0.011	< 0.015
		06/26/06	< 0.01	< 0.011	< 0.0082	0.0099	< 0.012	< 0.016	< 0.018	< 0.016	< 0.019	< 0.019	< 0.019	< 0.019	< 0.015	< 0.0091	< 0.019	0.022	< 0.011	0.017
		12/13/06	0.01	< 0.011	0.013	0.13	0.054	**0.14**	0.12	0.065	0.048	0.071	0.11	< 0.019	0.16	0.011	**0.037**	0.014	0.064	0.2
		06/18/07	< 0.01	< 0.011	< 0.0082	0.059	0.019	**0.067**	0.074	0.037	0.041	0.049	0.074	< 0.019	0.075	0.012	0.028	0.028	0.039	0.1
		12/05/07	< 0.01	< 0.011	< 0.0082	0.025	0.012	0.018	< 0.019	< 0.016	< 0.019	< 0.02	0.025	< 0.019	0.026	< 0.0091	< 0.019	0.033	0.012	0.029
		06/26/08	0.03	< 0.011	< 0.008	0.037	0.013	0.026	0.021	0.012	0.014	0.018	0.027	< 0.0044	0.035	0.0087	0.0093	0.17	0.02	0.047
		12/18/08	0.013	< 0.011	< 0.0078	< 0.005	< 0.0065	< 0.0035	< 0.0054	< 0.0051	< 0.0062	< 0.0078	< 0.007	< 0.0043	< 0.0053	< 0.0063	< 0.0036	0.097	< 0.0075	< 0.0068
		06/30/09	0.0059	0.0099	< 0.0045	0.0071	< 0.0057	0.0036	0.0032	< 0.0034	< 0.0048	< 0.0044	0.0045	< 0.0032	0.0052	< 0.0048	< 0.0047	0.057	< 0.0081	0.006
		12/08/09	0.01	0.02	< 0.0045	< 0.0036	< 0.0057	< 0.0036	< 0.0029	< 0.0034	< 0.0048	< 0.0044	< 0.0035	< 0.0032	< 0.0044	< 0.0048	< 0.0047	0.038	< 0.0081	< 0.0047
		06/08/10	< 0.0053	0.0057	< 0.0048	< 0.0038	< 0.0061	0.004	< 0.003	0.004	< 0.0051	< 0.0046	0.0049	< 0.0034	0.0049	< 0.0051	< 0.005	0.031	< 0.0086	< 0.005
		12/02/10	0.15	0.071	0.054	0.012	0.011	0.007	0.0057	< 0.0034	< 0.0048	0.0072	0.0078	< 0.0032	0.011	0.019	< 0.0047	1.1	0.023	0.014
		06/01/11	0.012	0.018	< 0.0047	0.0096	< 0.006	0.0094	0.0091	0.01	0.014	0.0075	0.01	< 0.0033	0.013	< 0.005	< 0.0049	0.081	0.0088	0.023
		06/19/12	0.0084	0.0085	0.008	0.0038	< 0.0057	0.004	0.0038	< 0.0034	< 0.0048	0.0052	0.0067	< 0.0032	0.0069	< 0.0048	< 0.0047	0.025	0.0096	0.0099
		12/12/12	0.12	0.03	0.022	0.04	< 0.0057	< 0.0036	< 0.0029	< 0.0034	< 0.0048	< 0.0044	< 0.0035	< 0.0032	< 0.0044	0.0096	< 0.0047	0.27	< 0.0081	< 0.0047
		06/11/13	< 0.006	< 0.0046	< 0.0054	0.012	0.0078	0.0085	0.0074	0.0079	< 0.0057	0.0079	0.017	< 0.0038	0.013	< 0.0057	< 0.0056	0.018	< 0.0096	0.017
		12/03/13	0.33	0.33	0.083	0.11	< 0.029	**0.031**	0.034	0.023	< 0.024	0.03	0.039	< 0.016	0.039	0.03	< 0.023	2.6	< 0.04	0.057
PZ703		12/21/98	**2.8**	< 0.92	< 1.4	< 1.3	0.2	**0.22**	< 0.21	< 0.12	< 0.23	< 0.23	< 0.092	< 0.25	0.25	0.44	< 0.11	86	0.53	0.64
		06/25/02	--	--	1.2	< 0.46	0.45	< 0.38	< 0.24	< 0.28	< 0.3	< 0.26	< 0.36	< 0.34	< 0.56	< 0.42	< 0.28	**190**	0.38	< 0.4
		11/07/02	< 1.7	< 1.7	< 1.8	< 1.9	< 2	< 1.2	< 1.4	< 1.3	< 1.6	< 1.9	< 1.4	< 1.6	< 1.3	< 1.7	< 2.1	41	< 1.6	< 1.7
		04/15/03	< 1.4	< 1.4	< 1.4	< 1.5	< 1.6	< 0.96	< 1.1	< 1	< 1.3	< 1.5	< 1.1	< 1.3	< 1	< 1.4	< 1.7	30	1.4	< 1.4
		07/01/03	**7**	5	2.8	< 1.9	< 2	< 1.2	< 1.4	< 1.3	< 1.6	< 1.9	< 1.4	< 1.6	< 1.3	< 1.7	< 2.1	**410**	< 1.6	< 1.7
		09/30/03	**8.4**	7.2	3.9	0.47	< 0.4	< 0.24	< 0.28	< 0.26	< 0.32	< 0.38	< 0.28	< 0.32	< 0.26	0.41	< 0.42	**350**	0.41	< 0.34
		11/10/03	**13**	12	7.4	< 1.9	< 2	< 1.2	< 1.4	< 1.3	< 1.6	< 1.9	< 1.4	< 1.6	< 1.3	< 1.7	< 2.1	**510**	4.2	1.8
		05/20/04	**38**	**40**	15	< 1.8	< 1.9	< 1.1	< 1.3	< 1.2	< 1.5	< 1.8	< 1.3	< 1.5	< 1.2	< 1.6	< 2	**1900**	< 1.5	< 1.6
		08/24/04	**45**	**42**	21	< 7.7	< 7.1	< 7.8	< 7.2	< 7.2	< 8.3	< 7.7	< 6.6	< 8.8	< 6.6	< 8.7	< 6.8	**1600**	< 8.2	< 6.5
		11/24/04	**18**	17	5.9	< 3.9	< 3.6	< 4	< 3.7	< 3.6	< 4.2	< 3.9	< 3.3	< 4.4	< 3.3	< 4.4	< 3.4	**760**	< 4.1	< 3.3
		05/19/05	**1.9**	0.59	1.1	0.087	< 0.071	< 0.078	< 0.072	< 0.072	< 0.083	< 0.077	< 0.066	< 0.088	< 0.066	0.097	< 0.068	0.97	< 0.082	0.065
		12/13/05	0.89	0.16	0.87	0.05	0.024	< 0.031	< 0.037	< 0.031	< 0.039	< 0.039	< 0.038	< 0.038	< 0.031	0.11	< 0.038	0.33	0.06	< 0.029
		06/26/06	*0.97*	0.044	2.3	0.14	0.029	< 0.016	< 0.019	< 0.016	< 0.019	< 0.02	< 0.019	< 0.019	< 0.016	0.28	< 0.019	1.4	0.19	< 0.015
		12/13/06	0.042	< 0.023	0.62	0.096	< 0.023	< 0.031	< 0.037	< 0.032	< 0.039	< 0.039	< 0.038	< 0.038	< 0.031	0.056	< 0.038	0.079	< 0.023	< 0.029
		06/18/07	**1.2**	< 0.22	3	< 0.16	< 0.23	< 0.31	< 0.37	< 0.31	< 0.39	< 0.39	< 0.38	< 0.38	< 0.31	0.22	< 0.38	< 0.25	< 0.23	< 0.29
		12/05/07	**5.7**	4.7	4.7	0.33	< 0.23	< 0.31	< 0.37	< 0.31	< 0.39	< 0.39	< 0.38	< 0.38	< 0.31	0.48	< 0.38	**120**	0.31	< 0.29
		06/26/08	**6.2**	5.9	3	0.27	< 0.13	< 0.069	< 0.11	< 0.1	< 0.12	< 0.16	< 0.14	< 0.086	< 0.11	0.23	< 0.072	**189**	< 0.15	< 0.14
		12/18/08	**2.4**	0.27	5	0.66	< 0.13	< 0.069	< 0.11	< 0.1	< 0.12	< 0.16	< 0.14	< 0.086	< 0.11	0.5	< 0.072	0.73	< 0.15	< 0.14
		06/30/09	**2.3**	2.6	< 1.8	0.16	0.046	0.0037	0.003	< 0.0034	< 0.0048	< 0.0044	0.0035	< 0.0032	0.015	0.22	< 0.0047	93.3	0.14	0.015
		12/08/09	**2.4**	1.2	2.3	0.14	0.069	0.0039	0.0029	0.0035	< 0.0048	< 0.0044	0.0042	< 0.0032	0.017	0.46	< 0.0047	0.12	0.19	0.018
		06/08/10	**4.2**	1.7	2.9	0.32	0.18	< 0.077	< 0.061	< 0.072	< 0.1	< 0.093	< 0.074	< 0.068	0.11	0.57	< 0.099	0.59	0.83	0.15
		12/02/10	0.59	0.016	1.2	0.034	0.028	< 0.014	< 0.011	< 0.014	< 0.019	< 0.017	< 0.014	< 0.013	< 0.018	0.19	< 0.019	0.067	0.071	< 0.019
		06/01/11	< 0.0052	0.011	0.0071	0.021	0.012	< 0.0038	< 0.003	< 0.0035	< 0.005	< 0.0045	< 0.0036	< 0.0033	0.0056	0.02	< 0.0049	0.028	0.0089	0.0083
		06/19/12	**2.6**	2.6	1.7	< 0.36	< 0.57	< 0.36	< 0.29	< 0.34	< 0.48	< 0.44	< 0.35	< 0.32	< 0.44	< 0.48	< 0.47	**106**	< 0.81	< 0.47
		12/12/12	**4.5**	< 0.077	3.3	0.27	< 0.11	< 0.072	< 0.057	< 0.068	< 0.096	< 0.087	< 0.07	< 0.064	< 0.088	0.46	< 0.094	0.35	0.33	< 0.095
		06/11/13	0.022	0.013	0.17	0.17	0.081	< 0.0043	< 0.0034	< 0.004	< 0.0057	< 0.0051	< 0.0041	< 0.0038	0.018	0.46	< 0.0055	0.057	0.16	0.02
		12/03/13	**4.8**	3.8	3.2	0.43	< 0.57	< 0.36	< 0.29	< 0.34	< 0.48	< 0.44	< 0.35	< 0.32	< 0.44	< 0.48	< 0.47	22.8	< 0.81	< 0.47

Table 3. Groundwater Laboratory Analytical Results-Polynuclear Aromatic Hydrocarbons (PAH)
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
732 Water Street, Sheboygan, Wisconsin
USEPA #: WIN000510058

Sample ID	Sample Duplicate	Sample Date	1-Methylnaphthalene (ug/l)	2-Methylnaphthalene (ug/l)	Acenaphthene (ug/l)	Acenaphthylene (ug/l)	Anthracene (ug/l)	Benzo(a)anthracene (ug/l)	Benzo(a)pyrene (ug/l)	Benzo(b)fluoranthene (ug/l)	Benzo(ghi)perylene (ug/l)	Benzo(k)fluoranthene (ug/l)	Chrysene (ug/l)	Dibenz(a,h)anthracene (ug/l)	Fluoranthene (ug/l)	Fluorene (ug/l)	Indeno(1,2,3-cd)pyrene (ug/l)	Naphthalene (PAH) (ug/l)	Phenanthrene (ug/l)	Pyrene (ug/l)
Wisconsin Screening levels			0.97	27	400	400	3000	0.029	0.2	0.2	250	0.29	0.2	0.0029	400	400	0.029	100	3000	250
QC01	MW704	08/15/95	--	--	**660**	< 2	44	**25**	**21**	**8.7**	16	**7.3**	**19**	< 0.1	140	190	**9.2**	**3600**	220	55
	MW704	09/25/95	--	--	**420**	**1100**	64	**46**	**38**	**14**	31	**15**	**31**	**3.2**	210	170	**20**	**3100**	310	83
	MW705	12/21/98	< 0.94	< 0.92	< 1.4	< 1.3	< 0.1	< 0.1	< 0.21	< 0.12	< 0.23	< 0.23	< 0.092	< 0.25	< 0.23	< 0.056	< 0.11	< 0.73	< 0.11	< 0.39
	MW705	06/25/02	--	--	< 0.018	< 0.023	< 0.02	< 0.019	< 0.012	< 0.014	< 0.015	< 0.013	< 0.018	< 0.017	< 0.028	< 0.021	< 0.014	< 0.027	< 0.019	< 0.02
	MW708	11/07/02	< 0.017	< 0.017	< 0.018	< 0.019	< 0.02	< 0.012	< 0.014	< 0.013	< 0.016	< 0.019	< 0.014	< 0.016	< 0.013	< 0.017	< 0.021	< 0.024	< 0.016	< 0.017
	PZ702	04/15/03	0.042	0.072	< 0.018	< 0.019	< 0.02	0.012	< 0.014	< 0.013	< 0.016	< 0.019	< 0.014	< 0.016	< 0.013	< 0.017	< 0.021	0.2	0.026	< 0.017
	MW709R	07/01/03	0.084	0.044	0.023	0.019	< 0.02	< 0.012	< 0.014	< 0.013	< 0.016	< 0.019	< 0.014	< 0.016	< 0.013	< 0.017	< 0.021	0.74	< 0.016	< 0.017
	MW709R	09/30/03	< 0.018	< 0.017	< 0.018	< 0.019	< 0.02	**0.065**	0.059	0.066	0.098	0.056	0.057	**0.093**	< 0.013	< 0.017	**0.094**	0.025	< 0.016	< 0.017
	PZ702	11/10/03	0.022	0.025	< 0.018	0.22	< 0.02	0.025	0.021	0.014	< 0.016	< 0.019	0.028	< 0.016	0.034	< 0.017	< 0.021	0.11	0.068	0.054
	MW709R	05/20/04	0.031	0.044	< 0.017	< 0.018	< 0.019	< 0.011	< 0.013	< 0.012	< 0.015	< 0.018	< 0.013	< 0.015	< 0.012	< 0.016	< 0.02	0.15	< 0.015	< 0.016
	MW709R	11/24/04	0.048	0.063	< 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	0.29	< 0.02	< 0.016
	MW709R	05/19/05	< 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	0.027	< 0.02	< 0.016
	MW709R	12/13/05	< 0.01	0.018	< 0.0082	< 0.0081	< 0.012	< 0.016	< 0.018	< 0.016	< 0.019	< 0.019	< 0.019	< 0.019	< 0.015	< 0.0091	< 0.019	< 0.047	< 0.011	< 0.015
	MW709R	06/26/06	0.07	0.011	0.016	< 0.0081	0.012	< 0.016	< 0.018	< 0.016	< 0.019	< 0.019	< 0.019	< 0.019	< 0.015	0.0098	< 0.019	0.5	0.012	< 0.015
	MW706	12/13/06	0.42	0.33	0.71	4.2	1	**1.5**	**2.7**	**1.5**	1.1	**1.3**	**1.4**	< 0.38	2	0.3	**0.9**	0.42	0.8	2.6
	MW708	06/18/07	0.02	0.031	< 0.0082	0.039	0.016	0.018	0.024	< 0.016	< 0.019	< 0.019	0.022	< 0.019	0.028	0.012	< 0.019	0.092	0.036	0.035
	MW709R	12/05/07	0.015	< 0.012	< 0.0084	< 0.0083	< 0.012	< 0.016	< 0.019	< 0.016	< 0.02	< 0.02	< 0.02	< 0.019	< 0.016	< 0.0093	< 0.019	0.099	< 0.012	< 0.015
	MW701R	06/26/08	**237**	**125**	131	12.5	36.9	**16.5**	**16.7**	**7**	10.3	**10**	**14**	**1.6**	29.6	43.7	**6.3**	**985**	68.9	42.7
	PZ702	12/18/08	0.30	0.58	0.023	0.14	0.074	< 0.0035	< 0.0054	< 0.0051	< 0.0062	< 0.0078	< 0.007	< 0.0043	0.028	0.075	< 0.0036	1.6	0.18	0.025
	MW707R	06/30/09	**97.4**	8.1	30.8	< 7.2	< 11.5	**0.1**	0.035	0.019	0.011	0.023	0.083	< 0.0032	< 8.8	13.2	0.0092	**763**	< 16.2	< 9.5
	MW709R	12/08/09	< 0.005	0.0055	< 0.0045	< 0.0036	0.013	< 0.0036	< 0.0029	< 0.0034	< 0.0048	< 0.0044	< 0.0035	< 0.0032	< 0.0044	< 0.0048	< 0.0047	0.015	< 0.0081	< 0.0047
	PZ702	06/08/10	0.018	0.019	0.0092	< 0.0038	< 0.0061	< 0.0038	< 0.003	< 0.0036	< 0.0051	< 0.0046	< 0.0037	< 0.0034	< 0.0047	< 0.0051	< 0.005	0.16	< 0.0086	< 0.005
	MW709R	12/02/10	< 0.005	0.0045	< 0.0045	< 0.0036	0.0092	< 0.0036	< 0.0029	< 0.0034	< 0.0048	< 0.0044	< 0.0035	< 0.0032	< 0.0044	< 0.0048	< 0.0047	0.011	< 0.0081	< 0.0047
	MW708	06/01/11	< 0.0051	0.0042	< 0.0047	0.005	0.006	0.0074	0.0064	0.0079	0.0066	0.0065	0.0086	< 0.0033	0.011	< 0.0049	0.0049	0.01	0.0083	0.017
	MW707R	06/19/12	**89.1**	3.5	24.9	2	4.3	< 0.36	< 0.29	< 0.34	< 0.48	< 0.44	< 0.35	< 0.32	1.4	13.9	< 0.47	**346**	15.3	1.4
	MW707R	12/12/12	**79.5**	3.3	22.6	1.5	2.6	**0.042**	0.0099	0.0054	< 0.0048	0.0098	0.038	< 0.0032	< 1.8	9.6	< 0.0047	**289**	11.2	< 1.9
	PZ701	06/11/13	0.0083	0.01	< 0.0048	0.025	0.014	0.012	0.017	0.012	0.011	0.016	0.025	< 0.0034	0.022	< 0.0051	0.0065	0.036	0.012	0.027
	MW708	12/03/13	< 0.005	0.0052	< 0.0046	0.022	0.015	0.019	0.024	0.015	0.015	0.021	0.033	< 0.0032	0.037	< 0.0048	0.01	0.012	0.023	0.047
QC02	MW704	12/21/98	**9.5**	< 0.92	1.6	< 1.3	4.9	**6.6**	**7.6**	**6**	5.3	**2.4**	**3**	< 0.25	16	6.8	**5.8**	17	16	20

Notes:
1) Parameters that attain or exceed the WI screening levels are identified in bold.
2) "<" indicates the parameter is not detected above the limit of Detection indicated.
3) "QC" indicates a Quality Control duplicate sample
4) "--" indiates Analysis not performed.

[U:ECK 02/20/2014 C: JTB)

Table 4. Groundwater Analytical Results-Laboratory and Field Remedial Natural Attenuation (RNA) Parameters
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
732 Water Street, Sheboygan, Wisconsin
USEPA #: WIN000510058

Sample ID	Sample Duplicate	Sample Date	Alkalinity, Total (mg/l)	Iron, Dissolved (ug/l)	Iron, Total (ug/l)	Manganese, Dissolved (ug/l)	Methane (ug/l)	Nitrogen, N02 + N03, Total (mg/l)	Sulfate, Total (mg/l)	Dissolved Oxygen (mg/l)	Oxidation Reduction Potential (millivolts)Y	PH, Field (Standard Units) (pH Units)Y	Specific Conductance, Field (mmhos/cm)Y	Temperature, Water (Degrees Centigrade) (deg c)Y	Turbidity, Quantitative (NTU)Y
Wisconsin Screening levels			NA	11000	11000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
BW06		11/07/02	--	< 61	--	--	< 10	0.13	35	3.4	391	8.36	0.004	10.72	--
		05/20/04	--	--	--	--	< 10	< 0.063	30	--	--	--	--	--	--
		11/24/04	--	--	--	--	< 10	< 0.063	41	--	--	--	--	--	--
		05/19/05	--	--	--	--	< 10	0.23	39	--	--	--	--	--	--
		08/09/05	--	--	--	--	--	--	--	2.52	103	8.59	0.86	14.68	--
		12/13/05	--	--	--	--	< 10	< 0.061	42	8.6	184	6.95	0.88	8.75	--
		06/26/06	--	--	--	--	< 10	< 0.11	41	0.93	97	7.03	0.89	15.35	--
		12/13/06	--	--	--	--	< 10	< 0.11	39	8.77	-304	7.29	0.903	9.47	--
		06/18/07	--	--	--	--	< 10	0.15	39	--	--	--	--	--	--
		12/18/08	--	--	--	--	< 2	0.13	40.2	10.98	-23	7.86	0.946	7.79	--
		06/30/09	--	--	--	--	< 0.93	0.27	41.4	1.99	-11.3	7.83	0.625	10.7	522.9
		12/08/09	--	--	--	--	< 0.93	0.21	36.7	--	--	--	--	--	--
		03/30/10	--	--	--	--	--	--	--	1.8	-20.7	7.76	0.767	10.61	97
		06/08/10	--	--	--	--	< 0.93	0.3	36.9	5.9	-15	8.3	0.001	14.23	40
		09/08/10	--	16	--	13.5	--	--	--	0.31	-55	7.83	0.843	11.85	2000
		12/02/10	--	--	--	--	2.6	< 0.12	39.7	0.92	-111	7.63	0.179	10.54	128
		03/22/11	--	--	--	--	--	--	--	6.46	224	7.91	0.781	6.6	398
		06/01/11	--	--	--	--	3.2	< 0.12	39.9	8.07	60	7.99	0.942	13.26	3.27
		03/01/12	--	--	--	--	--	--	--	7.3	-40	8.35	0.844	9.56	17.6
		06/19/12	--	--	--	--	< 0.64	0.13	38.7	0.59	6	7.79	0.795	13.69	40.2
		09/10/12	--	--	--	--	--	--	--	0.81	-74	8.21	0.8	15.14	35
		12/12/12	--	83.8	--	16.5	7.7	0.13	38.2	1.62	-78	7.47	0.861	10.83	155
		04/23/13	--	--	--	--	--	--	--	6.05	96	7.79	0.798	10.59	2.3
		06/11/13	--	--	--	--	1.5	0.2	38	0.16	52	7.68	0.799	13.97	152
		09/03/13	--	--	--	--	--	--	--	0.73	-199	8.07	0.818	14.47	1587
		12/03/13	--	--	--	--	< 0.64	0.19	37.1	0.53	-158	7.29	0.824	7.12	92.6
BW15		05/20/04	--	--	--	--	< 10	1.1	1500	--	--	--	--	--	--
		11/24/04	--	--	--	--	190	< 0.063	560	--	--	--	--	--	--
		05/19/05	--	--	--	--	4900	< 0.061	72	--	--	--	--	--	--
		12/13/05	--	--	--	--	7500	< 0.061	190	0.93	46	6.92	2.18	9.79	--
		06/26/06	--	--	--	--	6600	< 0.11	110	0.67	47	6.95	2.11	14.83	--
		12/13/06	--	--	--	--	400	0.21	1100	2.76	-83	7.31	2.79	10.81	--

NATURAL RESOURCE TECHNOLOGY

Table 4. Groundwater Analytical Results-Laboratory and Field Remedial Natural Attenuation (RNA) Parameters
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
732 Water Street, Sheboygan, Wisconsin
USEPA #: WIN000510058

Sample ID	Sample Duplicate	Sample Date	Alkalinity, Total (mg/l)	Iron, Dissolved (ug/l)	Iron, Total (ug/l)	Manganese, Dissolved (ug/l)	Methane (ug/l)	Nitrogen, N02 + N03, Total (mg/l)	Sulfate, Total (mg/l)	Dissolved Oxygen (mg/l)	Oxidation Reduction Potential (millivolts)Y	PH, Field (Standard Units) (pH Units)Y	Specific Conductance, Field (mmhos/cm)Y	Temperature, Water (Degrees Centigrade) (deg c)Y	Turbidity, Quantitative (NTU)Y
Wisconsin Screening levels			NA	11000	11000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW701R		06/25/02	1200	**20000**	**52000**	--	--	< 0.23	3.8	--	--	--	--	--	--
		11/07/02	--	--	--	--	--	--	--	1.08	541	7.18	1.267	13.39	--
		07/01/03	--	**18000**	--	--	11000	< 0.047	2.3	4.29	214	9.32	1.243	12.84	--
		11/10/03	--	**40000**	--	--	5800	< 0.047	< 1.1	0.25	-12	9.12	1.001	12.38	--
		05/20/04	--	--	--	--	6700	< 0.063	1	7.36	13	9.74	0.173	9.9	--
		08/24/04	--	--	--	--	--	--	--	0.74	179	6.46	2.244	15.66	--
		11/24/04	--	--	--	--	8100	< 0.063	2.4	2.12	126	6.84	2.418	11.86	--
		05/19/05	--	--	--	--	8100	< 0.061	1.7	--	--	--	--	--	--
		12/13/05	--	--	--	--	6800	< 0.061	1.4	--	--	--	--	--	--
		03/08/06	--	--	--	--	--	--	--	2.35	-233	6.47	2.46	6.94	--
		06/26/06	--	--	--	--	8300	< 0.11	3.1	--	--	--	--	--	--
		09/26/06	--	--	--	--	--	--	--	--	-214	6.04	2.057	17.34	--
		12/13/06	--	--	--	--	5300	< 0.11	2.8	--	--	--	--	--	--
		03/29/07	--	--	--	--	--	--	--	12.25	-52.4	6.79	0.522	5.38	--
		06/18/07	--	--	--	--	9600	< 0.096	2.4	1.22	-121	6.77	2.21	12.14	--
		09/13/07	--	--	--	--	--	--	--	2.02	-78.5	6.08	0.522	16.94	--
		12/05/07	--	--	--	--	11000	< 0.096	2.4	0.62	-159	6.55	2.3	12.26	--
		04/02/08	--	--	--	--	--	--	--	0.42	-124	6.09	2.5	6.81	--
		06/26/08	--	--	--	--	5250	< 0.096	3.2	0.15	-142	6.41	2.04	13.89	366
		09/11/08	--	--	--	--	--	--	--	0.23	-79	6.54	2.14	15.22	41
		12/18/08	--	--	--	--	--	--	--	0.6	-98	6.58	2.35	9.78	--
		03/30/09	--	--	--	--	--	--	--	0.15	-85.1	6.43	1.952	7.6	48.2
		06/30/09	--	--	--	--	21200	< 0.12	2.5	0.73	-132.3	6.29	1.739	10.75	100.3
		09/29/09	--	--	--	--	--	--	--	1.43	-229	10.56	2.36	14.52	202
		12/08/09	--	--	--	--	13900	< 0.12	2	0.54	-173	6.6	2.3	9.53	2000
		03/30/10	--	--	--	--	--	--	--	1.19	-159.9	6.2	1.803	10.67	19.9
		06/08/10	--	--	--	--	17600	< 0.12	3.9	0.47	-117	6.59	2.49	11.03	41
		09/08/10	--	**11400**	--	**364**	--	--	--	0.25	-177	6.62	2.45	16.01	112
		12/02/10	--	--	--	--	12100	< 0.12	2.2	0.66	-203	6.76	2.27	11.52	20.1
		03/22/11	--	--	--	--	--	--	--	0.24	-64	6.63	2.29	6.27	29
		06/01/11	--	--	--	--	12400	< 0.12	2.7	0.37	-108	6.35	2.7	13.59	30.1
		03/01/12	--	--	--	--	--	--	--	0.99	-92	6.9	2.36	6.42	74
		06/19/12	--	--	--	--	1180	< 0.12	< 2	2.28	-50	6.64	2.28	24.84	137
		09/10/12	--	--	--	--	--	--	--	0.30	-135	6.6	2.34	20.29	54.1
		12/12/12	--	**11900**	--	**375**	8020	< 0.12	2.5	2.0	-178	6.67	2.44	11.96	1149
		04/23/13	--	--	--	--	--	--	--	0.36	-106	6.58	2.21	6.01	132
		06/11/13	--	--	--	--	7440	0.17	4.0	0.07	-188	6.62	2.17	13.46	61.9
		09/03/13	--	--	--	--	--	--	--	0.40	-268	6.74	2.28	16.76	146
		12/03/13	--	--	--	--	12700	< 0.055	3.0	0.34	-127	6.3	2.33	10.06	127
MW705		06/25/02	460	410	1200	--	--	< 0.023	190	4.75	403	8.7	1.232	10.85	--
		11/07/02	--	< 61	--	--	--	< 0.075	< 1.1	6.42	539	7.76	1.407	11.02	--
		04/15/03	--	--	--	--	--	--	--	6.28	262	8.41	1.404	7.45	--
		07/01/03	--	670	--	--	93	< 0.047	380	4.26	262	9.25	1.5	12.4	--
		09/30/03	--	--	--	--	--	--	--	--	--	6.98	2.63	13.9	--
		11/10/03	--	310	--	--	74	0.21	380	0.27	36	9.84	1.084	12.21	--
		02/17/04	--	--	--	--	--	--	--	7.61	200.7	6.68	3.3	6.52	--
		05/20/04	--	--	--	--	32	< 0.063	350	1.53	10	9.71	0.058	11.35	--
		08/24/04	--	--	--	--	--	--	--	1.2	192	6.83	2.916	15.09	--
		11/24/04	--	--	--	--	99	< 0.063	400	2.58	136	7.46	2.889	12.4	--
		02/25/05	--	--	--	--	--	--	--	0.29	150	7.86	2.31	5.94	--
		05/19/05	--	--	--	--	190	< 0.061	450	1.26	193	7.06	2.75	9.48	--
		08/09/05	--	--	--	--	--	--	--	1.45	95	8.12	2.71	14.06	--
		03/08/06	--	--	--	--	--	--	--	1.49	-211	7.01	2.8	8.53	--
		06/18/07	--	--	--	--	--	--	--	1.65	-80	7.12	2.78	12.24	--
		04/02/08	--	--	--	--	--	--	--	0.27	-25	6.67	1.55	7.07	--
		06/26/08	--	--	--	--	53.8	< 0.096	119	1.7	-44	7.05	1.163	12.22	33.8
		09/11/08	--	--	--	--	--	--	--	0.76	-57	7.26	1.81	14	

Table 4. Groundwater Analytical Results-Laboratory and Field Remedial Natural Attenuation (RNA) Parameters
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
732 Water Street, Sheboygan, Wisconsin
USEPA #: WIN000510058

Sample ID	Sample Duplicate	Sample Date	Alkalinity, Total (mg/l)	Iron, Dissolved (ug/l)	Iron, Total (ug/l)	Manganese, Dissolved (ug/l)	Methane (ug/l)	Nitrogen, N02 + N03, Total (mg/l)	Sulfate, Total (mg/l)	Dissolved Oxygen (mg/l)	Oxidation Reduction Potential (millivolts)Y	PH, Field (Standard Units) (pH Units)Y	Specific Conductance, Field (mmhos/cm)Y	Temperature, Water (Degrees Centigrade) (deg c)Y	Turbidity, Quantitative (NTU)Y
Wisconsin Screening levels			NA	11000	11000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW706		06/25/02	140	620	3800	--	--	23	1200	--	--	--	--	--	--
		11/07/02	--	--	--	--	--	--	--	1.88	541	7.69	0.011	9.44	--
		07/01/03	--	140	--	--	25	0.67	880	2.51	270	9.35	1.358	10.71	--
		11/10/03	--	280	--	--	< 10	7.6	500	0.08	14	9.51	0.749	12.8	--
		05/20/04	--	--	--	--	< 10	0.85	880	8.9	-4	9.98	0.385	10.15	--
		08/24/04	--	--	--	--	--	--	--	0.72	235	6.59	2.413	13.93	--
		11/24/04	--	--	--	--	29	0.15	740	--	--	--	--	--	--
		05/19/05	--	--	--	--	25	0.48	830	--	--	--	--	--	--
		12/13/05	--	--	--	--	< 10	0.4	1000	--	--	--	--	--	--
		06/26/06	--	--	--	--	< 10	0.14	800	1.37	83	6.78	2	12.76	--
		09/26/06	--	--	--	--	--	--	--	--	-223.9	6.26	1.622	15.5	--
		12/13/06	--	--	--	--	< 10	0.11	910	--	--	--	--	--	--
		03/29/07	--	--	--	--	--	--	--	12.1	8.4	7.28	1.077	6.17	--
		06/18/07	--	--	--	--	< 10	< 0.096	730	--	--	--	--	--	--
		12/05/07	--	--	--	--	11	< 0.096	420	--	--	--	--	--	--
		04/02/08	--	--	--	--	--	--	--	2.35	-103	7.01	1.95	6.89	--
		06/26/08	--	--	--	--	4.2	0.097	310	0.35	-133	7.11	0.808	13.5	57.4
		09/11/08	--	--	--	--	--	--	--	1.21	-41	7.37	1.207	14.57	3.9
		12/18/08	--	--	--	--	44.8	< 1.9	< 510	3.29	-97	6.91	1.3	9.73	--
		03/30/09	--	--	--	--	--	--	--	1.7	-31.1	7.1	1.202	7.59	-1.2
		06/30/09	--	--	--	--	107	< 0.12	446	1.01	-120.1	6.75	1.107	11.93	0.8
		09/29/09	--	--	--	--	--	--	--	0.61	-246	10.62	1.355	14.23	13.8
		12/08/09	--	--	--	--	22.1	< 0.12	627	0.71	-181	6.74	1.67	10.15	39
		03/30/10	--	--	--	--	--	--	--	2.57	-113.1	6.85	1.083	11.66	1.2
		06/08/10	--	--	--	--	7.9	< 0.12	405	1.38	-162	7.21	1.59	11.8	10.3
		09/08/10	--	333	--	44	--	--	--	0.41	-205	7.45	1.457	15.8	13.7
		12/02/10	--	--	--	--	118	< 0.12	235	0.8	-264	7.32	1.323	12.74	14.1
		03/22/11	--	--	--	--	--	--	--	0.68	-34	7.41	1.234	7.01	12.8
		06/01/11	--	--	--	--	17.8	< 0.12	236	0.51	-157	7.07	1.464	12.54	27.8
		03/01/12	--	--	--	--	--	--	--	1.15	-116	7.38	1.396	8.48	14.4
		06/19/12	--	--	--	--	29.3	< 0.12	197	0.36	-230	7.1	1.376	17.28	24.1
		09/10/12	--	--	--	--	--	--	--	0.56	-240	7.14	1.295	17.42	4.2
		12/12/12	--	703	--	126	126	< 0.12	55.7	0.69	-307	6.99	1.177	11.34	6.1
		04/23/13	--	--	--	--	--	--	--	0.83	-59	7.54	0.964	7.17	15.9
		06/11/13	--	--	--	--	11.2	< 0.055	151	0.12	-210	7.4	1.026	16.2	14.4
		09/03/13	--	--	--	--	--	--	--	0.44	-28	7.26	1.213	17.63	67.2
		12/03/13	--	--	--	--	39.6	0.25	137	0.42	-195	6.69	1.178	9.93	14.3

Table 4. Groundwater Analytical Results-Laboratory and Field Remedial Natural Attenuation (RNA) Parameters
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
732 Water Street, Sheboygan, Wisconsin
USEPA #: WIN000510058

Sample ID	Sample Duplicate	Sample Date	Alkalinity, Total (mg/l)	Iron, Dissolved (ug/l)	Iron, Total (ug/l)	Manganese, Dissolved (ug/l)	Methane (ug/l)	Nitrogen, N02 + N03, Total (mg/l)	Sulfate, Total (mg/l)	Dissolved Oxygen (mg/l)	Oxidation Reduction Potential (millivolts)Y	PH, Field (Standard Units) (pH Units)Y	Specific Conductance, Field (mmhos/cm)Y	Temperature, Water (Degrees Centigrade) (deg c)Y	Turbidity, Quantitative (NTU)Y
Wisconsin Screening levels			NA	11000	11000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW707R		06/25/02	460	730	**25000**	--	--	< 0.023	40	--	--	--	--	--	--
		11/07/02	--	--	--	--	--	--	--	1.39	523	7.39	1.099	12.86	--
		07/01/03	--	510	--	--	5800	0.049	30	1.93	198	9.58	0.87	13.81	--
		11/10/03	--	1.1	--	--	1800	< 0.047	20	3.36	-85	9.76	0.785	13.01	--
		05/20/04	--	--	--	--	3400	< 0.063	41	5.23	-73	10.19	0.349	10.15	--
		08/24/04	--	--	--	--	--	--	--	1.08	214	6.81	1.65	17.15	--
		11/24/04	--	--	--	--	7200	< 0.063	3.7	1.37	149	8.25	1.69	11.15	--
		02/25/05	--	--	--	--	--	--	--	0.51	105	8.08	1.47	5.34	--
		05/19/05	--	--	--	--	3800	0.062	14	--	--	--	--	--	--
		08/09/05	--	--	--	--	--	--	--	0.45	205	8.41	1.59	14.84	--
		12/13/05	--	--	--	--	5000	< 0.061	4.4	--	--	--	--	--	--
		03/08/06	--	--	--	--	--	--	--	2.58	-230	6.6	3.12	7.46	--
		06/26/06	--	--	--	--	5500	< 0.11	43	0.26	-51	6.88	1.7	12.82	--
		09/26/06	--	--	--	--	--	--	--	--	-259.8	6.94	1.477	17.4	--
		12/13/06	--	--	--	--	3900	< 0.11	190	0.33	-468	6.78	1.93	9.15	--
		03/29/07	--	--	--	--	--	--	--	6.6	-134.2	6.9	1.009	5.96	--
		06/18/07	--	--	--	--	8000	< 0.096	19	1.14	-154	7.27	1.4	13.12	--
		09/13/07	--	--	--	--	--	--	--	3.17	-92.3	6.85	1.306	17.8	--
		12/05/07	--	--	--	--	6900	< 0.096	3	0.36	-225	8.45	1.069	11.23	--
		04/02/08	--	--	--	--	--	--	--	0.61	-119	6.83	1.73	5.26	--
		06/26/08	--	--	--	--	5830	< 0.096	89.8	0.16	-168	7.15	1.463	15.28	40.8
		09/11/08	--	--	--	--	--	--	--	0.45	-167	7.2	1.51	16.28	0.2
		12/18/08	--	--	--	--	9130	< 0.096	3.7	0.42	-100	6.92	1.376	8.78	--
		03/30/09	--	--	--	--	--	--	--	0.1	-81.3	7.23	1.164	5.69	-2.3
		06/30/09	--	--	--	--	11400	< 0.12	43.2	0.55	-173.1	7.05	1.258	12.1	-0.1
		09/29/09	--	--	--	--	--	--	--	0.69	-273	10.97	1.65	15.19	13.4
		12/08/09	--	--	--	--	5850	< 0.12	10.6	0.55	-209	7.09	1.5	9.89	44.3
		03/30/10	--	--	--	--	--	--	--	1.06	-161.9	7.07	1.275	11.77	0.20
		06/08/10	--	--	--	--	6310	< 0.12	40	0.61	-173	7.3	11.78	11.09	18.8
		09/08/10	--	1340	--	**365**	--	--	--	0.32	-221	7.2	1.8	17.26	24.3
		12/02/10	--	--	--	--	10400	< 0.12	3.7	0.48	-238	7.18	1.58	9.77	6.0
		03/22/11	--	--	--	--	--	--	--	3.97	120	7.7	1.57	5.55	10
		06/01/11	--	--	--	--	6710	< 0.12	67.8	0.29	-194	7.29	1.82	10.31	43.6
		03/01/12	--	--	--	--	--	--	--	2.01	-137	7.37	1.342	6.95	26.2
		06/19/12	--	--	--	--	15600	< 0.12	3.2	0.37	-191	6.97	1.49	18.48	9.5
		09/10/12	--	--	--	--	--	--	--	0.68	-168	7	1.75	20.16	1.9
		12/12/12	--	2830	--	**432**	11000	< 0.12	2.4	0.83	-218	6.93	1.76	10.11	4.6
		04/23/13	--	--	--	--	--	--	--	0.41	-13	7.39	1.9	7.49	13.4
		06/11/13	--	--	--	--	5690	< 0.055	149	0.09	-247	7.27	1.57	12.42	17.1
		09/03/13	--	--	--	--	--	--	--	0.50	-297	7.19	1.58	16.69	19.3
		12/03/13	--	--	--	--	12800	0.06	3.7	0.26	-155	6.75	1.75	10.75	38.8

Table 4. Groundwater Analytical Results-Laboratory and Field Remedial Natural Attenuation (RNA) Parameters
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
732 Water Street, Sheboygan, Wisconsin
USEPA #: WIN000510058

Sample ID	Sample Duplicate	Sample Date	Alkalinity, Total (mg/l)	Iron, Dissolved (ug/l)	Iron, Total (ug/l)	Manganese, Dissolved (ug/l)	Methane (ug/l)	Nitrogen, N02 + N03, Total (mg/l)	Sulfate, Total (mg/l)	Dissolved Oxygen (mg/l)	Oxidation Reduction Potential (millivolts)Y	PH, Field (Standard Units) (pH Units)Y	Specific Conductance, Field (mmhos/cm)Y	Temperature, Water (Degrees Centigrade) (deg c)Y	Turbidity, Quantitative (NTU)Y
Wisconsin Screening levels			NA	11000	11000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW708		06/25/02	520	2500	**35000**	--	--	0.18	63	4.56	406	7.35	2.301	13.49	--
		11/07/02	--	< 61	--	--	< 10	0.13	66	2.72	516	7.82	2.407	14.37	--
		01/24/03	--	--	--	--	--	--	--	1.93	248	7.83	4.941	10.49	--
		04/15/03	--	--	--	--	--	--	--	2.52	258	8.67	2.875	9.19	--
		07/01/03	--	51	--	--	< 10	0.14	70	2.32	250	9.43	2.771	12.36	--
		09/30/03	--	--	--	--	--	--	--	--	--	7.09	5.13	13.6	--
		11/10/03	--	< 18	--	--	< 10	0.12	71	0.13	20	9.34	2.103	13.63	--
		02/17/04	--	--	--	--	--	--	--	4.71	200.6	6.88	5.014	10.55	--
		05/20/04	--	--	--	--	< 10	0.18	68	6.1	-14	9.91	1.041	9.67	--
		08/24/04	--	--	--	--	--	--	--	1.63	345	6.9	4.948	14.38	--
		11/24/04	--	--	--	--	< 10	0.17	79	0.8	174	7.53	4.923	13.66	--
		02/25/05	--	--	--	--	--	--	--	1.21	158	8.07	4.88	7.46	--
		05/19/05	--	--	--	--	< 10	0.15	67	0.91	162	7.12	5.18	9.51	--
		08/09/05	--	--	--	--	--	--	--	1.23	13	8.21	4.93	12.74	--
		12/13/05	--	--	--	--	--	--	--	0.97	1	6.83	5.07	11.91	--
		03/08/06	--	--	--	--	--	--	--	2.02	-224	6.95	5.18	9.71	--
		06/26/06	--	--	--	--	< 10	0.16	80	0.46	-68	7.01	5.34	12.43	--
		09/26/06	--	--	--	--	--	--	--	--	-205.1	6.52	4.745	15.05	--
		12/13/06	--	--	--	--	--	--	--	1.29	-441	6.55	4.98	11.47	--
		03/29/07	--	--	--	--	--	--	--	7.66	69.8	7.15	3.573	9.69	--
		06/18/07	--	--	--	--	< 10	< 0.096	78	1.16	41	7.51	4.63	12.88	--
		09/13/07	--	--	--	--	--	--	--	1.99	71.5	6.65	4.094	13.89	--
		12/05/07	--	--	--	--	--	--	--	1.54	48	7.19	4.23	12.05	--
		04/02/08	--	--	--	--	--	--	--	0.88	68	7.02	4.21	9.13	--
		06/26/08	--	--	--	--	< 2	< 0.096	72.6	1.24	25	7.12	4.37	13.83	145
		09/11/08	--	--	--	--	--	--	--	0.81	-4	7.34	4.28	14.58	370
		12/18/08	--	--	--	--	< 2	< 0.096	81.6	2.3	45	7.15	4.06	11.48	--
		03/30/09	--	--	--	--	--	--	--	1.61	-3.8	7.28	3.424	9.14	5.1
		06/30/09	--	--	--	--	< 0.93	< 0.12	81	1.75	14.2	7.1	3.636	11.86	7.7
		09/29/09	--	--	--	--	--	--	--	3.44	-142	10.79	4.56	13.71	23.8
		12/08/09	--	--	--	--	< 0.93	< 0.12	81.2	0.92	-33	7.26	4.22	12.1	54.3
		03/30/10	--	--	--	--	--	--	--	5.15	15.2	7.14	2.618	11.74	8.7
		06/08/10	--	--	--	--	< 0.93	< 0.12	75.7	2.25	-12	7.38	5.13	11.54	18.4
		09/08/10	--	< 8.3	--	2.6	--	--	--	1.41	-32	7.36	4.9	15.56	13.6
		12/02/10	--	--	--	--	< 0.93	< 0.12	77.6	0.97	-92	7.23	4.43	12.55	7.4
		03/22/11	--	--	--	--	--	--	--	2.41	100	7.55	4.2	9.29	8
		06/01/11	--	--	--	--	< 0.93	< 0.12	79.5	3.76	99	7.17	5.75	11.8	58.2
		03/01/12	--	--	--	--	--	--	--	2.92	-16	7.57	4.73	9.88	10.1
		06/19/12	--	--	--	--	< 0.64	< 0.12	80.8	0.53	11	7.23	4.65	18.32	35
		09/10/12	--	--	--	--	--	--	--	0.8	-17	7.43	4.69	19.01	7
		12/12/12	--	1570	--	37	1.2	< 0.12	80.6	0.69	-307	6.99	1.177	11.34	6.1
		04/23/13	--	--	--	--	--	--	--	3.18	-2	7.5	3.93	9.16	10.7
		06/11/13	--	--	--	--	1.7	0.073	74.3	0.92	-7	7.43	4.72	12.04	14.5
		09/03/13	--	--	--	--	--	--	--	2.05	-63	7.4	4.64	15.04	325
		12/03/13	--	--	--	--	< 0.64	< 0.055	89.4	1.46	7	6.84	4.81	12.75	80.2

NATURAL RESOURCE TECHNOLOGY

Table 4. Groundwater Analytical Results-Laboratory and Field Remedial Natural Attenuation (RNA) Parameters
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
732 Water Street, Sheboygan, Wisconsin
USEPA #: WIN000510058

Sample ID	Sample Duplicate	Sample Date	Alkalinity, Total (mg/l)	Iron, Dissolved (ug/l)	Iron, Total (ug/l)	Manganese, Dissolved (ug/l)	Methane (ug/l)	Nitrogen, N02 + N03, Total (mg/l)	Sulfate, Total (mg/l)	Dissolved Oxygen (mg/l)	Oxidation Reduction Potential (millivolts)Y	PH, Field (Standard Units) (pH Units)Y	Specific Conductance, Field (mmhos/cm)Y	Temperature, Water (Degrees Centigrade) (deg c)Y	Turbidity, Quantitative (NTU)Y
Wisconsin Screening levels			NA	11000	11000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW709R		06/25/02	900	490	4000	--	--	2.7	440	4.44	415	7.97	1.32	14.74	--
		11/07/02	--	--	--	--	--	--	--	1.82	549	7.57	1.534	13.99	--
		04/15/03	--	--	--	--	--	--	--	10.14	246	8.65	1.48	6.92	--
		07/01/03	--	820	--	--	< 10	0.093	500	4.34	253	9.72	0.462	16.03	--
		09/30/03	--	--	--	--	--	--	--	--	--	6.92	3.35	16.2	--
		11/10/03	--	90	--	--	< 10	0.94	210	1.06	42	9.54	1.066	12.22	--
		02/17/04	--	--	--	--	--	--	--	9.38	200.6	6.86	2.68	5.02	--
		05/20/04	--	--	--	--	< 10	0.79	130	1.23	-13	9.7	0.221	11.63	--
		08/24/04	--	--	--	--	--	--	--	1.86	195	7.04	1.524	17.22	--
		11/24/04	--	--	--	--	420	0.082	240	6.3	182	8.16	3.45	11.81	--
		02/25/05	--	--	--	--	--	--	--	1.06	262	8.52	0.93	4.09	--
		05/19/05	--	--	--	--	190	0.094	260	0.5	169	7.3	2.94	8.79	--
		08/09/05	--	--	--	--	--	--	--	1.17	140	7.76	3.25	16.98	--
		12/13/05	--	--	--	--	--	--	--	0.64	20	7.41	2.96	8.75	--
		03/08/06	--	--	--	--	--	--	--	3.15	-135	7.38	3.22	8.3	--
		06/26/06	--	--	--	--	530	< 0.11	310	0.27	-66	6.81	3.11	12.95	--
		09/26/06	--	--	--	--	--	--	--	--	-253.5	6.68	2.87	17.72	--
		12/13/06	--	--	--	--	--	--	--	0.38	-462	6.47	2.84	9.73	--
		03/29/07	--	--	--	--	--	--	--	6.4	11.9	7.36	1.147	5.56	--
		06/18/07	--	--	--	--	780	< 0.096	240	2.72	-165	6.74	2.64	13.26	--
		09/13/07	--	--	--	--	--	--	--	3.02	-118.4	7.05	2.298	18.2	--
		12/05/07	--	--	--	--	--	--	--	1.76	-98	7.17	2.98	11.08	--
		04/02/08	--	--	--	--	--	--	--	1.44	109	6.71	1.85	5.19	--
		06/26/08	--	--	--	--	190	< 0.096	130	0.73	-77	7.03	0.985	13.6	10.1
		09/11/08	--	--	--	--	--	--	--	0.53	-67	7.18	2.52	16.22	113
		12/18/08	--	--	--	--	557	< 0.096	141	6.32	-84	6.95	2.55	7.89	--
		03/30/09	--	--	--	--	--	--	--	0.95	6.1	7.18	1.552	6.31	-3.6
		06/30/09	--	--	--	--	1220	< 0.12	148	0.53	-104.2	6.96	1.949	13.52	0
		09/29/09	--	--	--	--	--	--	--	1.16	-252	12.29	2.72	13.79	13.6
		12/08/09	--	--	--	--	--	--	113	0.86	-181	7.39	2.51	10.35	23.4
		03/30/10	--	--	--	--	--	--	--	2.81	-63.3	6.89	1.863	13.41	0.6
		06/08/10	--	--	--	--	2000	< 0.12	123	0.83	-133	7.16	2.36	10.99	9.4
		09/08/10	--	1700	--	**915**	--	--	--	1.02	-174	7.22	2.38	16.82	11.6
		12/02/10	--	--	--	--	1610	< 0.12	50	0.61	-214	7.09	2.45	10.59	9.7
		03/22/11	--	--	--	--	--	--	--	2.16	53	7.57	1.058	6.89	16.2
		06/01/11	--	--	--	--	144	< 0.12	126	2.2	2	6.97	2.32	13.38	36.5
		03/01/12	--	--	--	--	--	--	--	3.48	-136	7.43	1.95	7.42	8
		06/19/12	--	--	--	--	1360	< 0.12	87.4	0.59	-93	6.97	1.93	16.23	5.9
		09/10/12	--	--	--	--	--	--	--	1.06	-134	7.15	2.23	18.21	0
		12/12/12	--	1420	--	**840**	2250	< 0.12	44.2	1.96	-186	6.94	2.23	9.41	4.5
		04/23/13	--	--	--	--	--	--	--	0.89	89	7.23	1.133	8.14	9.1
		06/11/13	--	--	--	--	534	0.081	84	0.24	-70	7.15	1.83	12.95	8.3
		09/03/13	--	--	--	--	--	--	--	1.06	-268	7.32	2.07	15.94	10.6
		12/03/13	--	--	--	--	3020	0.25	37.1	0.66	-101	6.8	2.01	10.29	8.6

Table 4. Groundwater Analytical Results-Laboratory and Field Remedial Natural Attenuation (RNA) Parameters
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
732 Water Street, Sheboygan, Wisconsin
USEPA #: WIN000510058

Sample ID	Sample Duplicate	Sample Date	Alkalinity, Total (mg/l)	Iron, Dissolved (ug/l)	Iron, Total (ug/l)	Manganese, Dissolved (ug/l)	Methane (ug/l)	Nitrogen, N02 + N03, Total (mg/l)	Sulfate, Total (mg/l)	Dissolved Oxygen (mg/l)	Oxidation Reduction Potential (millivolts)Y	PH, Field (Standard Units) (pH Units)Y	Specific Conductance, Field (mmhos/cm)Y	Temperature, Water (Degrees Centigrade) (deg c)Y	Turbidity, Quantitative (NTU)Y
Wisconsin Screening levels			NA	11000	11000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ701		06/25/02	150	440	7300	--	--	0.12	320	5.92	392	8.25	0.871	12.52	--
		11/07/02	--	300	--	--	250	< 0.075	200	1.92	511	7.74	0.562	14.02	--
		04/15/03	--	--	--	--	--	--	--	7.49	264	8.84	0.159	9.79	--
		07/01/03	--	170	--	--	490	0.057	98	--	--	--	--	--	--
		09/30/03	--	--	--	--	--	--	--	--	--	7.56	0.595	10.5	--
		11/10/03	--	92	--	--	250	0.048	58	--	--	--	--	--	--
		05/20/04	--	--	--	--	57	0.14	51	1.01	13	9.91	0	18.06	--
		08/24/04	--	--	--	--	--	--	--	3.73	268	6.76	0.712	16.6	--
		11/24/04	--	--	--	--	610	< 0.063	100	0.58	98	7.75	0.698	10.92	--
		02/25/05	--	--	--	--	--	--	--	2.89	159	8.54	0.6	7.14	--
		05/19/05	--	--	--	--	< 10	0.19	67	2.98	134	7.14	0.6	9.01	--
		08/09/05	--	--	--	--	--	--	--	3.4	40	8.62	0.56	18.45	--
		12/13/05	--	--	--	--	< 10	< 0.061	48	0.71	7	7.18	0.54	10.65	--
		03/08/06	--	--	--	--	--	--	--	3.24	-143	7.52	0.58	7.68	--
		06/26/06	--	--	--	--	10	0.15	39	1.43	95	6.78	0.535	12.16	--
		09/26/06	--	--	--	--	--	--	--	--	-201	7.04	0.272	17.52	--
		12/13/06	--	--	--	--	< 10	< 0.11	30	4.92	-400	6.95	0.5	11.61	--
		03/29/07	--	--	--	--	--	--	--	11.13	-84.8	7.24	0.342	7.13	--
		06/18/07	--	--	--	--	< 10	0.14	24	3.07	140	8.07	0.432	12.05	--
		09/13/07	--	--	--	--	--	--	--	7	-43.1	7.05	0.397	17.68	--
		12/05/07	--	--	--	--	250	< 0.096	20	--	-123	7.07	0.43	9.96	--
		04/02/08	--	--	--	--	--	--	--	4.68	148	7.32	0.543	9.54	--
		06/26/08	--	--	--	--	27.9	< 0.096	43.4	0.21	-81	7.87	0.444	13.34	5.7
		09/11/08	--	--	--	--	--	--	--	0.22	-90	7.81	0.438	13.36	0
		12/18/08	--	--	--	--	3.8	< 0.096	27.5	2.7	-12	7.32	0.451	10.74	--
		03/30/09	--	--	--	--	--	--	--	1.22	-76.2	7.73	0.375	9.3	-4.2
		06/30/09	--	--	--	--	89.7	< 0.12	17	0.64	-56.7	7.45	0.359	10.41	-0.4
		09/29/09	--	--	--	--	--	--	--	0.85	-239	11.54	0.43	12.59	21.2
		12/08/09	--	--	--	--	523	< 0.12	12.1	0.59	-170	7.79	0.49	10.83	33.2
		03/30/10	--	--	--	--	--	--	--	0.94	-57.2	7.39	0.324	10.32	19.1
		06/08/10	--	--	--	--	3.1	0.12	10.2	1.36	-66	7.62	0.447	10.85	9.8
		09/08/10	--	222	--	60.4	--	--	--	0.37	-138	7.52	0.443	14.82	36.5
		12/02/10	--	--	--	--	1220	< 0.12	6.8	0.66	-226	7.46	0.405	9.42	4.5
		03/22/11	--	--	--	--	--	--	--	3.49	64	8	0.408	9.36	6.7
		06/01/11	--	--	--	--	7	< 0.12	6.8	0.99	58	7.61	0.486	17.42	30
		03/01/12	--	--	--	--	--	--	--	3.78	-26	7.53	0.487	8.7	6.9
		06/19/12	--	--	--	--	< 0.64	0.63	483	1.8	65	7.17	1.47	21.32	17.2
		09/10/12	--	--	--	--	--	--	--	0.43	-60	7.49	1.363	18.23	3.4
		12/12/12	--	29.2	--	1.4	< 0.64	0.25	371	2.96	-146	7.63	1.324	12.02	5.4
		04/23/13	--	--	--	--	--	--	--	6.04	-37	7.36	0.896	7.35	17.4
		06/11/13	--	--	--	--	< 0.64	0.85	292	3.47	-1	7.56	1.088	12.97	22.2
		09/03/13	--	--	--	--	--	--	--	1.67	-133	7.59	1.117	16.48	100
		12/03/13	--	--	--	--	--	0.29	262	2.38	-77	6.95	1.015	11.46	19.8

Table 4. Groundwater Analytical Results-Laboratory and Field Remedial Natural Attenuation (RNA) Parameters
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
732 Water Street, Sheboygan, Wisconsin
USEPA #: WIN000510058

Sample ID	Sample Duplicate	Sample Date	Alkalinity, Total (mg/l)	Iron, Dissolved (ug/l)	Iron, Total (ug/l)	Manganese, Dissolved (ug/l)	Methane (ug/l)	Nitrogen, N02 + N03, Total (mg/l)	Sulfate, Total (mg/l)	Dissolved Oxygen (mg/l)	Oxidation Reduction Potential (millivolts)Y	PH, Field (Standard Units) (pH Units)Y	Specific Conductance, Field (mmhos/cm)Y	Temperature, Water (Degrees Centigrade) (deg c)Y	Turbidity, Quantitative (NTU)Y
Wisconsin Screening levels			NA	11000	11000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ702		06/25/02	50	25	**15000**	--	--	< 0.023	3.7 ,	3.42	362	8.5	0.154	11.32	--
		11/07/02	--	--	--	--	22	--	--	1.51	515	8.04	0.22	13.76	--
		01/24/03	--	--	--	--	--	--	--	2.33	247	8.02	0.2	10.02	--
		04/15/03	--	--	--	--	--	--	--	2.48	260	9.01	0.216	7.63	--
		07/01/03	--	48	--	--	39	0.053	3.6	4.52	277	9.71	0.103	10.76	--
		09/30/03	--	--	--	--	--	--	--	--	--	8.22	0.217	10.6	--
		11/10/03	--	< 18	--	--	< 10	< 0.047	< 1.1	2	13	10.36	0.095	10.28	--
		02/17/04	--	--	--	--	--	--	--	7.76	179.5	7.54	0.265	8.83	--
		05/20/04	--	--	--	--	16	0.2	3.2	1.06	4	10	0.101	9.53	--
		08/24/04	--	--	--	--	--	--	--	4.41	319	7.43	0.317	14.4	--
		11/24/04	--	--	--	--	< 10	0.14	3.8	1.96	180	8.35	3	12.39	--
		02/25/05	--	--	--	--	--	--	--	2.64	132	8.68	0.32	7.46	--
		05/19/05	--	--	--	--	< 10	0.16	4.9	3.55	167	7.19	0.29	9.24	--
		08/09/05	--	--	--	--	--	--	--	3.16	62	8.9	0.29	14.52	--
		12/13/05	--	--	--	--	< 10	0.13	4.3	3.3	33	7.21	0.35	11.75	--
		03/08/06	--	--	--	--	--	--	--	2.62	-246	7.75	0.38	9.58	--
		06/26/06	--	--	--	--	< 10	0.21	5.1	1.88	79	6.57	0.536	11.44	--
		09/26/06	--	--	--	--	--	--	--	--	-229.5	7.17	0.316	16.25	--
		12/13/06	--	--	--	--	< 10	0.16	3.9	4.2	-390	6.99	0.28	11.25	--
		03/29/07	--	--	--	--	--	--	--	9.47	16.9	7.8	0.199	7.52	--
		06/18/07	--	--	--	--	< 10	< 0.096	3.1	2.94	-17	8.12	0.231	11.64	--
		09/13/07	--	--	--	--	--	--	--	3.85	14.1	7.13	0.205	14.28	--
		12/05/07	--	--	--	--	< 10	0.11	3.3	1.65	-65	7.74	0.223	10.04	--
		04/02/08	--	--	--	--	--	--	--	4.03	-25	7.58	0.211	9.72	--
		06/26/08	--	--	--	--	< 2	0.21	3.6	3.36	23	7.73	0.251	14.52	115
		09/11/08	--	--	--	--	--	--	--	2.11	-27	8.27	0.289	13.02	7.1
		12/18/08	--	--	--	--	< 2	< 0.096	3.2	3.45	4	7.74	0.249	9.73	--
		03/30/09	--	--	--	--	--	--	--	2.42	-24.5	8.01	0.222	10.15	-3.2
		06/30/09	--	--	--	--	< 0.93	< 0.12	4.1	3.1	22.2	7.77	0.262	11.88	4
		09/29/09	--	--	--	--	--	--	--	3.46	-85	11.71	0.236	11.95	
		12/08/09	--	--	--	--	< 0.93	< 0.12	2.9	2.81	-43	8.16	0.212	11.51	28
		03/30/10	--	--	--	--	--	--	--	4.22	19	7.83	0.269	11.73	5.7
		06/08/10	--	--	--	--	< 0.93	< 0.12	3.1	4.02	42	8.04	0.232	11.18	8.2
		09/08/10	--	< 8.3	--	2.8	--	--	--	1.57	-60	8.85	0.224	13.91	27.4
		12/02/10	--	--	--	--	< 0.93	< 0.12	2.8	1.82	-192	8.16	0.203	11	8.2
		03/22/11	--	--	--	--	--	--	--	5.2	91	8.37	0.197	8.89	8.5
		06/01/11	--	--	--	--	< 0.93	< 0.12	2.8	7.56	26	8.03	0.233	15.86	29.6
		03/01/12	--	--	--	--	--	--	--	5.9	-33	7.97	0.203	9.02	7.3
		06/19/12	--	--	--	--	< 0.64	< 0.12	2.7	3.28	21	8.11	0.202	18.34	20
		09/10/12	--	--	--	--	--	--	--	1.69	-18	8.33	0.207	16.94	2.5
		12/12/12	--	27.3	--	48.5	1.2	< 0.12	2.3	3.33	-89	7.58	0.213	10.8	1.6
		04/23/13	--	--	--	--	--	--	--	3.25	-10	7.99	0.201	7.8	52
		06/11/13	--	--	--	--	< 0.64	0.085	2.6	2.26	-102	7.63	0.193	14.64	4
		09/03/13	--	--	--	--	--	--	--	1.38	-260	7.92	0.202	15.24	41.6
		12/03/13	--	--	--	--	< 0.64	< 0.055	2.4	2.19	21	7.24	0.244	10.3	7.5

Table 4. Groundwater Analytical Results-Laboratory and Field Remedial Natural Attenuation (RNA) Parameters
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
732 Water Street, Sheboygan, Wisconsin
USEPA #: WIN000510058

Sample ID	Sample Duplicate	Sample Date	Alkalinity, Total (mg/l)	Iron, Dissolved (ug/l)	Iron, Total (ug/l)	Manganese, Dissolved (ug/l)	Methane (ug/l)	Nitrogen, N02 + N03, Total (mg/l)	Sulfate, Total (mg/l)	Dissolved Oxygen (mg/l)	Oxidation Reduction Potential (millivolts)Y	PH, Field (Standard Units) (pH Units)Y	Specific Conductance, Field (mmhos/cm)Y	Temperature, Water (Degrees Centigrade) (deg c)Y	Turbidity, Quantitative (NTU)Y
Wisconsin Screening levels			NA	11000	11000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ703		06/25/02	73	370	**27000**	--	--	< 0.023	4.7	0.64	377	8.95	0.283	11.7	--
		11/07/02	--	< 61	--	--	71	< 0.075	4.2	1.49	492	8.33	0.028	13.01	--
		04/15/03	--	--	--	--	--	--	--	2.25	249	9.08	0.687	7.28	--
		07/01/03	--	100	--	--	230	< 0.047	4.3	2.51	130	9.99	0.204	9.91	--
		09/30/03	--	--	--	--	--	--	--	--	--	8.61	0.32	10.6	--
		11/10/03	--	< 18	--	--	53	< 0.047	4.7	4.82	-80	10.68	0.162	9.94	--
		02/17/04	--	--	--	--	--	--	--	6.55	178	10.42	0.429	6.69	--
		05/20/04	--	--	--	--	120	< 0.063	77	8.07	6	9.95	0.105	10.36	--
		08/24/04	--	--	--	--	--	--	--	1.72	450	7.7	0.574	17.72	--
		11/24/04	--	--	--	--	130	< 0.063	32	1.35	317	9.03	0.4	11.7	--
		02/25/05	--	--	--	--	--	--	--	0.72	188	8.37	6.4	5.59	--
		05/19/05	--	--	--	--	180	< 0.061	57	0.98	191	7.42	0.83	8.6	--
		08/09/05	--	--	--	--	--	--	--	0.43	207	8.48	5.44	13.31	--
		12/13/05	--	--	--	--	280	< 0.061	37	0.28	114	7.12	5.07	11.02	--
		03/08/06	--	--	--	--	--	--	--	0.92	-299	6.94	4.59	9.21	--
		06/26/06	--	--	--	--	470	< 0.11	29	0.42	134	6.77	3.5	16.21	--
		09/26/06	--	--	--	--	--	--	--	--	-211.9	6.93	2.515	15.51	--
		12/13/06	--	--	--	--	460	< 0.11	18	1.93	-61	7.27	2.29	10	--
		03/29/07	--	--	--	--	--	--	--	7.17	-7.9	8.39	1.163	6.22	--
		06/18/07	--	--	--	--	1100	< 0.096	13	1.09	-183	10.28	1.356	12.57	--
		09/13/07	--	--	--	--	--	--	--	0.82	-172.2	7.41	1.08	14.44	--
		12/05/07	--	--	--	--	380	< 0.096	10	--	-151	7.05	1.39	10.44	--
		04/02/08	--	--	--	--	--	--	--	0.81	-180	8.06	5.31	9.28	--
		06/26/08	--	--	--	--	1170	< 0.096	17.5	0.25	-223	8.75	2.63	15.9	21.8
		09/11/08	--	--	--	--	--	--	--	0.62	-192	10.13	1.462	13.84	0.2
		12/18/08	--	--	--	--	1040	< 0.096	8.2	0.69	-55	7.32	1.285	11.04	--
		03/30/09	--	--	--	--	--	--	--	0.08	-59.1	8.53	1.038	9.08	-3.6
		06/30/09	--	--	--	--	2610	< 0.12	8.1	0.31	-203.1	9.08	1.053	10.54	-0.1
		09/29/09	--	--	--	--	--	--	--	1.38	-298	13.12	0.762	12.6	18.5
		12/08/09	--	--	--	--	1410	< 0.12	4.6	0.48	-222	7.63	0.706	10.82	24.1
		03/30/10	--	--	--	--	--	--	--	1.59	-187.1	9.01	1.225	10.49	1.5
		06/08/10	--	--	--	--	1620	< 0.12	12	0.52	-171	7.56	3.28	11.49	23.6
		09/08/10	--	< 8.3	--	0.64	--	--	--	0.5	-264	11.25	0.75	12.93	48.7
		12/02/10	--	--	--	--	1590	< 0.12	4.2	1.5	-283	9.98	1.07	9.01	16.1
		03/22/11	--	--	--	--	--	--	--	0.4	97	8.2	0.927	7.4	9.6
		06/01/11	--	--	--	--	884	< 0.12	6.6	0.73	-121	8.06	1.129	11.43	109
		03/01/12	--	--	--	--	--	--	--	2.5	-170	8.03	0.848	8.36	4.9
		06/19/12	--	--	--	--	3310	< 0.12	3.4	0.42	-203	7.92	0.87	14.22	40
		09/10/12	--	--	--	--	--	--	--	0.74	-193	7.58	0.833	18.68	7.9
		12/12/12	--	135	--	32.5	1850	< 0.12	2.1	0.71	-242	7.33	0.869	10.5	11
		04/23/13	--	--	--	--	--	--	--	0.23	-99	7.61	0.781	9.03	10.3
		06/11/13	--	--	--	--	1310	< 0.055	2.5	0.16	-220	7.77	0.766	14.06	11.1
		09/03/13	--	--	--	--	--	--	--	0.57	-293	7.66	0.722	15.95	5.7
		12/03/13	--	--	--	--	2480	< 0.055	2.4	0.4	-154	6.79	0.797	10.9	18.6

Table 4. Groundwater Analytical Results-Laboratory and Field Remedial Natural Attenuation (RNA) Parameters
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
732 Water Street, Sheboygan, Wisconsin
USEPA #: WIN000510058

Sample ID	Sample Duplicate	Sample Date	Alkalinity, Total (mg/l)	Iron, Dissolved (ug/l)	Iron, Total (ug/l)	Manganese, Dissolved (ug/l)	Methane (ug/l)	Nitrogen, N02 + N03, Total (mg/l)	Sulfate, Total (mg/l)	Dissolved Oxygen (mg/l)	Oxidation Reduction Potential (millivolts)Y	PH, Field (Standard Units) (pH Units)Y	Specific Conductance, Field (mmhos/cm)Y	Temperature, Water (Degrees Centigrade) (deg c)Y	Turbidity, Quantitative (NTU)Y
Wisconsin Screening levels			NA	11000	11000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
QC01	MW705	06/25/02	300	240	3200	--	--	< 0.023	91	4.75	403	8.7	1.232	10.85	--
	MW708	11/07/02	--	< 61	--	--	< 10	0.18	67	--	--	--	--	--	--
	MW709R	07/01/03	--	830	--	--	17	0.13	510	--	--	--	--	--	--
	PZ702	11/10/03	--	< 18	--	--	14	< 0.047	< 1.1	--	--	--	--	--	--
	MW709R	05/20/04	--	--	--	--	< 10	0.8	130	--	--	--	--	--	--
	MW709R	11/24/04	--	--	--	--	430	0.085	240	--	--	--	--	--	--
	MW709R	05/19/05	--	--	--	--	240	< 0.061	290	--	--	--	--	--	--
	MW709R	06/26/06	--	--	--	--	380	< 0.11	270	--	--	--	--	--	--
	MW706	12/13/06	--	--	--	--	< 10	0.45	800	--	--	--	--	--	--
	MW708	06/18/07	--	--	--	--	< 10	< 0.096	77	--	--	--	--	--	--
	MW701R	06/26/08	--	--	--	--	5270	< 0.096	3.4	--	--	--	--	--	--
	PZ702	12/18/08	--	--	--	--	< 2	< 0.096	3.2	3.45	4	7.74	0.249	9.73	--
	MW707R	06/30/09	--	--	--	--	6000	< 0.12	42.8	--	--	--	--	--	--
	MW709R	12/08/09	--	--	--	--	1470	< 0.12	114	--	--	--	--	--	--
	MW708	06/01/11	--	--	--	--	< 0.93	--	--	3.76	99	7.17	5.75	11.8	58.2
	MW707R	06/19/12	--	--	--	--	--	--	--	0.37	-191	6.97	1.49	18.48	9.5
	MW707R	12/12/12	--	--	--	--	--	--	--	0.83	-218	6.93	1.76	10.11	4.6
	PZ701	06/11/13	--	--	--	--	--	--	--	3.47	-1	7.56	1.088	12.97	22.2
	MW708	12/03/13	--	--	--	--	--	--	--	1.46	7	6.84	4.81	12.75	80.2

[U:ECK 02/20/2014 C: JTB]

Notes:
1) Parameters that attain or exceed the WI screening levels are identified in bold.
2) "<" indicates the parameter is not detected above the limit of Detection indicated.
3) "QC" indicates a Quality Control duplicate sample
4) "--" indiates Analysis not performed.

Table 5. Groundwater Monitoring Schedule (2014)
Wisconsin Public Service Corporation - Campmarina Former Manufactured Gas Plant Site
Sheboygan, WI

	Mar-14	Jun-14	Sep-14	Dec-14
Groundwater Monitoring				
Monitoring Wells				
MW-701R	F	CG	F	CG
PZ-701	F	CG	F	CG
MW-706	F	CG	F	CG
PZ-702	F	CG	F	CG
MW-707R	F	CG	F	CG
PZ-703	F	CG	F	CG
MW-705	W	W	W	W
MW-708	F	CG	F	CG
MW-709R	F	CG	F	CG
SG-703 (staff gauge)	W	W	W	W
Field Parameters				
Water Quality	X	X	X	X
Water Levels	X	X	X	X
Geochemical Parameters				
Nitrogen, Nitrate, Nitrite (EPA 353.2)		X		X
Methane (SW846 8015)		X		X
Sulfate (EPA 300)		X		X
Contaminant Parameters				
BTEX (SW846 8260B)		X		X
PAHs (SW846 8270C)		X		X

Notes:

1. X - Indicates planned site visit, scheduled activity or sample collected during that visit.
2. F - Field parameters only includes water level and flow through cell to measure field parameters.
3. W - Water level only.
4. G - Geochemical parameters
5. C - Contaminant parameters
6. Water quality parameters will only be collected from monitoring wells that do not contain coal tar as observed during that monitoring event.
7. Water quality parameters include dissolved oxygen, pH, temperature, specific conductance oxidation / reduction potential, and turbidity.

APPENDIX A

LABORATORY ANALYTICAL REPORTS AND FIELD FORMS

Project Name: WPSC Campmarina MGP Site

Project ID: 1313 / CERCLIS ID WIN000510058

Task ID:

Analytical Laboratory: Pace Laboratories, GB WI

Geotechnical Laboratory: n/a

Field Staff ID(s): SAG JSW

Month (2-digit)	Date (2-digit)	Year (2-digit)	Sample Number (3-digit)	Unique Sample ID	Sample Media	Sample Location	Sample Depth (feet)	QC Sample Information (duplicate, blank, etc...)	COC Number	Notes (turnaround time, handling notes	
06	11	13	001	061113001	GW	MW-709R	~10	—	1530001 1530005		0952
water level					—	MW-705	—			WL: 6.10 only	0915
06	11	13	002	061113002	GW	BW-6 ~~MW-6~~	~20	—			0002
06	11	13	003	061113003	GW	MW-707R	~7	—			~~1042~~ ~~1103~~
06	11	13	004	061113004	GW	PZ703	~28	~~MS/MSD~~			1110
06	11	13	005	061113005	GW	MW706	~9	~			1225
06	11	13	006	061113006	GW	PZ702	~42	—			~~1247~~ 1249
06	11	13	007	061113007		PZ701	~28	—	1530002		1335
06	11	13	008	061113008	GW	~~PZ703~~ QC1	~28	PZ701			1340
06	11	13	009	061113009	GW	MW701R	~16	—			1427
06	11	13	010	061113010	GW	MW708	~11	—			1508
06	11	13	011	061113011	GW	Trip Blank	~	—			
06	11	13	014	014	—	Staff Gauge	—	/	—	WL: 4.08	1530
06	11	13	015	015	—	Sump	~	/	—	WL: 5.04 TD: 8.32	1535
06	11	13	012	061113012	MeOH	Impinger Sample	~	100 mL/min Flow Rate	1530004		1540
06	11	13	013	061113013	MeOH	Impinger ~~Trip~~ Field Blank		~~Amb~~ ambient air in vicinity of sample			1540

1313-SCL-015
SCL

NATURAL RESOURCE TECHNOLOGY

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

June 25, 2013

Heather Simon
Natural Resource Technology
234 W. Florida St, 5th Floor
Milwaukee, WI 53204

RE: Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079529

Dear Heather Simon:
Enclosed are the analytical results for sample(s) received by the laboratory on June 13, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian Basten

brian.basten@pacelabs.com
Project Manager

Enclosures

cc: Donna R Deuster, Natural Resource Technology
Jennifer Hagen, NATURAL RESOURCE TECHNOLOGY
Brian Hennings, NATURAL RESOURCE TECHNOLOGY
Julie Zimdars, NATURAL RESOURCE TECHNOLOGY

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079529

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079529

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4079529001	**061113001**	Water	06/11/13 08:52	06/13/13 09:30
4079529002	**061113002**	Water	06/11/13 10:02	06/13/13 09:30
4079529003	**061113003**	Water	06/11/13 10:43	06/13/13 09:30
4079529004	**061113004**	Water	06/11/13 11:10	06/13/13 09:30
4079529005	**061113005**	Water	06/11/13 12:25	06/13/13 09:30
4079529006	**061113006**	Water	06/11/13 12:49	06/13/13 09:30
4079529007	**061113007**	Water	06/11/13 13:35	06/13/13 09:30
4079529008	**061113008**	Water	06/11/13 13:40	06/13/13 09:30
4079529009	**061113009**	Water	06/11/13 14:27	06/13/13 09:30
4079529010	**061113010**	Water	06/11/13 15:08	06/13/13 09:30
4079529011	**TRIP 061113011**	Water	06/11/13 00:00	06/13/13 09:30

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079529

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4079529001	**061113001**	EPA 8015B Modified	LCF	1
		WI MOD GRO	PMS	5
		EPA 8270 by SIM	RJN	20
		EPA 300.0	JCJ	1
		EPA 353.2	HMB	1
4079529002	**061113002**	EPA 8015B Modified	LCF	1
		WI MOD GRO	PMS	5
		EPA 8270 by SIM	RJN	20
		EPA 300.0	JCJ	1
		EPA 353.2	HMB	1
4079529003	**061113003**	EPA 8015B Modified	LCF	1
		WI MOD GRO	PMS	5
		EPA 8270 by SIM	RJN	20
		EPA 300.0	JCJ	1
		EPA 353.2	HMB	1
4079529004	**061113004**	EPA 8015B Modified	LCF	1
		WI MOD GRO	PMS	5
		EPA 8270 by SIM	RJN	20
		EPA 300.0	JCJ	2
		EPA 353.2	HMB	1
4079529005	**061113005**	EPA 8015B Modified	LCF	1
		WI MOD GRO	PMS	5
		EPA 8270 by SIM	RJN	20
		EPA 300.0	JCJ	1
		EPA 353.2	HMB	1
4079529006	**061113006**	EPA 8015B Modified	LCF	1
		WI MOD GRO	PMS	5
		EPA 8270 by SIM	RJN	20
		EPA 300.0	JCJ	1
		EPA 353.2	HMB	1
4079529007	**061113007**	EPA 8015B Modified	LCF	1
		WI MOD GRO	LCF	5
		EPA 8270 by SIM	RJN	20
		EPA 300.0	JCJ	1
		EPA 353.2	HMB	1
4079529008	**061113008**	WI MOD GRO	LCF	5
		EPA 8270 by SIM	RJN	20

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079529

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4079529009	**061113009**	EPA 8015B Modified	LCF	1
		WI MOD GRO	LCF	5
		EPA 8270 by SIM	RJN	20
		EPA 300.0	JCJ	1
		EPA 353.2	HMB	1
4079529010	**061113010**	EPA 8015B Modified	LCF	1
		WI MOD GRO	LCF	5
		EPA 8270 by SIM	RJN	20
		EPA 300.0	JCJ	1
		EPA 353.2	HMB	1
4079529011	**TRIP 061113011**	WI MOD GRO	LCF	5

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079529

Sample: 061113001 **Lab ID: 4079529001** Collected: 06/11/13 08:52 Received: 06/13/13 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Methane	**534**	ug/L	7.0	1.6	2.5		06/14/13 11:59	74-82-8	
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.34**	ug/L	1.0	0.34	1		06/17/13 22:55	71-43-2	
Ethylbenzene	**<0.34**	ug/L	1.0	0.34	1		06/17/13 22:55	100-41-4	
Toluene	**<0.34**	ug/L	1.0	0.34	1		06/17/13 22:55	108-88-3	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		06/17/13 22:55	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		06/17/13 22:55	98-08-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.0054**	ug/L	0.056	0.0054	1	06/14/13 06:59	06/14/13 13:47	83-32-9	
Acenaphthylene	**0.0085J**	ug/L	0.056	0.0043	1	06/14/13 06:59	06/14/13 13:47	208-96-8	
Anthracene	**0.020J**	ug/L	0.056	0.0068	1	06/14/13 06:59	06/14/13 13:47	120-12-7	
Benzo(a)anthracene	**<0.0043**	ug/L	0.056	0.0043	1	06/14/13 06:59	06/14/13 13:47	56-55-3	
Benzo(a)pyrene	**<0.0034**	ug/L	0.056	0.0034	1	06/14/13 06:59	06/14/13 13:47	50-32-8	
Benzo(b)fluoranthene	**<0.0040**	ug/L	0.056	0.0040	1	06/14/13 06:59	06/14/13 13:47	205-99-2	
Benzo(g,h,i)perylene	**<0.0057**	ug/L	0.056	0.0057	1	06/14/13 06:59	06/14/13 13:47	191-24-2	
Benzo(k)fluoranthene	**<0.0052**	ug/L	0.056	0.0052	1	06/14/13 06:59	06/14/13 13:47	207-08-9	
Chrysene	**<0.0041**	ug/L	0.056	0.0041	1	06/14/13 06:59	06/14/13 13:47	218-01-9	
Dibenz(a,h)anthracene	**<0.0038**	ug/L	0.056	0.0038	1	06/14/13 06:59	06/14/13 13:47	53-70-3	
Fluoranthene	**<0.0052**	ug/L	0.056	0.0052	1	06/14/13 06:59	06/14/13 13:47	206-44-0	
Fluorene	**<0.0057**	ug/L	0.056	0.0057	1	06/14/13 06:59	06/14/13 13:47	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0056**	ug/L	0.056	0.0056	1	06/14/13 06:59	06/14/13 13:47	193-39-5	
1-Methylnaphthalene	**0.014J**	ug/L	0.056	0.0060	1	06/14/13 06:59	06/14/13 13:47	90-12-0	
2-Methylnaphthalene	**0.016J**	ug/L	0.056	0.0046	1	06/14/13 06:59	06/14/13 13:47	91-57-6	
Naphthalene	**0.051J**	ug/L	0.056	0.0058	1	06/14/13 06:59	06/14/13 13:47	91-20-3	
Phenanthrene	**<0.0096**	ug/L	0.056	0.0096	1	06/14/13 06:59	06/14/13 13:47	85-01-8	
Pyrene	**<0.0057**	ug/L	0.056	0.0057	1	06/14/13 06:59	06/14/13 13:47	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	45	%	24-130		1	06/14/13 06:59	06/14/13 13:47	321-60-8	
Terphenyl-d14 (S)	85	%	44-169		1	06/14/13 06:59	06/14/13 13:47	1718-51-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**84.0**	mg/L	20.0	10.0	5		06/18/13 11:07	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**0.081J**	mg/L	0.25	0.055	1		06/19/13 17:57		

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079529

Sample: 061113002 **Lab ID: 4079529002** Collected: 06/11/13 10:02 Received: 06/13/13 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Methane	**1.5J**	ug/L	2.8	0.64	1		06/14/13 08:55	74-82-8	
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.34**	ug/L	1.0	0.34	1		06/17/13 23:20	71-43-2	
Ethylbenzene	**<0.34**	ug/L	1.0	0.34	1		06/17/13 23:20	100-41-4	
Toluene	**<0.34**	ug/L	1.0	0.34	1		06/17/13 23:20	108-88-3	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		06/17/13 23:20	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		06/17/13 23:20	98-08-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.0079J**	ug/L	0.057	0.0055	1	06/14/13 06:59	06/14/13 14:05	83-32-9	
Acenaphthylene	**0.092**	ug/L	0.057	0.0044	1	06/14/13 06:59	06/14/13 14:05	208-96-8	
Anthracene	**<0.0070**	ug/L	0.057	0.0070	1	06/14/13 06:59	06/14/13 14:05	120-12-7	
Benzo(a)anthracene	**0.0081J**	ug/L	0.057	0.0044	1	06/14/13 06:59	06/14/13 14:05	56-55-3	
Benzo(a)pyrene	**0.015J**	ug/L	0.057	0.0035	1	06/14/13 06:59	06/14/13 14:05	50-32-8	
Benzo(b)fluoranthene	**0.0065J**	ug/L	0.057	0.0041	1	06/14/13 06:59	06/14/13 14:05	205-99-2	
Benzo(g,h,i)perylene	**0.0097J**	ug/L	0.057	0.0059	1	06/14/13 06:59	06/14/13 14:05	191-24-2	
Benzo(k)fluoranthene	**0.011J**	ug/L	0.057	0.0053	1	06/14/13 06:59	06/14/13 14:05	207-08-9	
Chrysene	**0.015J**	ug/L	0.057	0.0042	1	06/14/13 06:59	06/14/13 14:05	218-01-9	
Dibenz(a,h)anthracene	**<0.0039**	ug/L	0.057	0.0039	1	06/14/13 06:59	06/14/13 14:05	53-70-3	
Fluoranthene	**0.0092J**	ug/L	0.057	0.0054	1	06/14/13 06:59	06/14/13 14:05	206-44-0	
Fluorene	**0.014J**	ug/L	0.057	0.0058	1	06/14/13 06:59	06/14/13 14:05	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0057**	ug/L	0.057	0.0057	1	06/14/13 06:59	06/14/13 14:05	193-39-5	
1-Methylnaphthalene	**0.14**	ug/L	0.057	0.0061	1	06/14/13 06:59	06/14/13 14:05	90-12-0	
2-Methylnaphthalene	**0.12**	ug/L	0.057	0.0047	1	06/14/13 06:59	06/14/13 14:05	91-57-6	
Naphthalene	**0.48**	ug/L	0.057	0.0059	1	06/14/13 06:59	06/14/13 14:05	91-20-3	
Phenanthrene	**<0.0099**	ug/L	0.057	0.0099	1	06/14/13 06:59	06/14/13 14:05	85-01-8	
Pyrene	**0.017J**	ug/L	0.057	0.0058	1	06/14/13 06:59	06/14/13 14:05	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	50	%	24-130		1	06/14/13 06:59	06/14/13 14:05	321-60-8	
Terphenyl-d14 (S)	76	%	44-169		1	06/14/13 06:59	06/14/13 14:05	1718-51-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**38.0**	mg/L	4.0	2.0	1		06/17/13 18:34	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**0.20J**	mg/L	0.25	0.055	1		06/19/13 18:02		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079529

Sample: 061113003 **Lab ID: 4079529003** Collected: 06/11/13 10:43 Received: 06/13/13 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Methane	**5690**	ug/L	140	32.2	50		06/14/13 12:08	74-82-8	
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**1780**	ug/L	10.0	3.4	10		06/17/13 20:21	71-43-2	
Ethylbenzene	**1760**	ug/L	10.0	3.4	10		06/17/13 20:21	100-41-4	
Toluene	**29.9**	ug/L	10.0	3.4	10		06/17/13 20:21	108-88-3	
Xylene (Total)	**538**	ug/L	30.0	10.3	10		06/17/13 20:21	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	95	%	80-120		10		06/17/13 20:21	98-08-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**19.9**	ug/L	5.4	0.52	100	06/14/13 06:59	06/14/13 13:12	83-32-9	
Acenaphthylene	**1.2J**	ug/L	5.4	0.42	100	06/14/13 06:59	06/14/13 13:12	208-96-8	
Anthracene	**1.4J**	ug/L	5.4	0.66	100	06/14/13 06:59	06/14/13 13:12	120-12-7	
Benzo(a)anthracene	**<0.42**	ug/L	5.4	0.42	100	06/14/13 06:59	06/14/13 13:12	56-55-3	
Benzo(a)pyrene	**<0.33**	ug/L	5.4	0.33	100	06/14/13 06:59	06/14/13 13:12	50-32-8	
Benzo(b)fluoranthene	**<0.39**	ug/L	5.4	0.39	100	06/14/13 06:59	06/14/13 13:12	205-99-2	
Benzo(g,h,i)perylene	**<0.55**	ug/L	5.4	0.55	100	06/14/13 06:59	06/14/13 13:12	191-24-2	
Benzo(k)fluoranthene	**<0.50**	ug/L	5.4	0.50	100	06/14/13 06:59	06/14/13 13:12	207-08-9	
Chrysene	**<0.40**	ug/L	5.4	0.40	100	06/14/13 06:59	06/14/13 13:12	218-01-9	
Dibenz(a,h)anthracene	**<0.37**	ug/L	5.4	0.37	100	06/14/13 06:59	06/14/13 13:12	53-70-3	
Fluoranthene	**0.70J**	ug/L	5.4	0.51	100	06/14/13 06:59	06/14/13 13:12	206-44-0	
Fluorene	**7.5**	ug/L	5.4	0.55	100	06/14/13 06:59	06/14/13 13:12	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.54**	ug/L	5.4	0.54	100	06/14/13 06:59	06/14/13 13:12	193-39-5	
1-Methylnaphthalene	**58.6**	ug/L	5.4	0.58	100	06/14/13 06:59	06/14/13 13:12	90-12-0	
2-Methylnaphthalene	**0.99J**	ug/L	5.4	0.44	100	06/14/13 06:59	06/14/13 13:12	91-57-6	
Naphthalene	**79.0**	ug/L	5.4	0.56	100	06/14/13 06:59	06/14/13 13:12	91-20-3	
Phenanthrene	**4.4J**	ug/L	5.4	0.93	100	06/14/13 06:59	06/14/13 13:12	85-01-8	
Pyrene	**0.84J**	ug/L	5.4	0.55	100	06/14/13 06:59	06/14/13 13:12	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	0	%	24-130		100	06/14/13 06:59	06/14/13 13:12	321-60-8	S4
Terphenyl-d14 (S)	0	%	44-169		100	06/14/13 06:59	06/14/13 13:12	1718-51-0	S4
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**149**	mg/L	40.0	20.0	10		06/18/13 11:16	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**<0.055**	mg/L	0.25	0.055	1		06/19/13 18:03		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079529

Sample: 061113004 **Lab ID: 4079529004** Collected: 06/11/13 11:10 Received: 06/13/13 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Methane	**1310**	ug/L	70.0	16.1	25		06/14/13 12:16	74-82-8	
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**779**	ug/L	5.0	1.7	5		06/17/13 21:38	71-43-2	
Ethylbenzene	**404**	ug/L	5.0	1.7	5		06/17/13 21:38	100-41-4	
Toluene	**23.5**	ug/L	5.0	1.7	5		06/17/13 21:38	108-88-3	
Xylene (Total)	**254**	ug/L	15.0	5.1	5		06/17/13 21:38	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	95	%	80-120		5		06/17/13 21:38	98-08-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.17**	ug/L	0.056	0.0053	1	06/14/13 06:59	06/18/13 07:59	83-32-9	M6
Acenaphthylene	**0.17**	ug/L	0.056	0.0042	1	06/14/13 06:59	06/18/13 07:59	208-96-8	
Anthracene	**0.081**	ug/L	0.056	0.0068	1	06/14/13 06:59	06/18/13 07:59	120-12-7	
Benzo(a)anthracene	**<0.0043**	ug/L	0.056	0.0043	1	06/14/13 06:59	06/18/13 07:59	56-55-3	M6
Benzo(a)pyrene	**<0.0034**	ug/L	0.056	0.0034	1	06/14/13 06:59	06/18/13 07:59	50-32-8	M6
Benzo(b)fluoranthene	**<0.0040**	ug/L	0.056	0.0040	1	06/14/13 06:59	06/18/13 07:59	205-99-2	M6
Benzo(g,h,i)perylene	**<0.0057**	ug/L	0.056	0.0057	1	06/14/13 06:59	06/18/13 07:59	191-24-2	M6
Benzo(k)fluoranthene	**<0.0051**	ug/L	0.056	0.0051	1	06/14/13 06:59	06/18/13 07:59	207-08-9	M6
Chrysene	**<0.0041**	ug/L	0.056	0.0041	1	06/14/13 06:59	06/18/13 07:59	218-01-9	
Dibenz(a,h)anthracene	**<0.0038**	ug/L	0.056	0.0038	1	06/14/13 06:59	06/18/13 07:59	53-70-3	M6
Fluoranthene	**0.018J**	ug/L	0.056	0.0052	1	06/14/13 06:59	06/18/13 07:59	206-44-0	
Fluorene	**0.46**	ug/L	0.056	0.0056	1	06/14/13 06:59	06/18/13 07:59	86-73-7	M6
Indeno(1,2,3-cd)pyrene	**<0.0055**	ug/L	0.056	0.0055	1	06/14/13 06:59	06/18/13 07:59	193-39-5	M6
1-Methylnaphthalene	**0.022J**	ug/L	0.056	0.0059	1	06/14/13 06:59	06/18/13 07:59	90-12-0	M6
2-Methylnaphthalene	**0.013J**	ug/L	0.056	0.0045	1	06/14/13 06:59	06/18/13 07:59	91-57-6	M6
Naphthalene	**0.057**	ug/L	0.056	0.0057	1	06/14/13 06:59	06/18/13 07:59	91-20-3	M6
Phenanthrene	**0.16**	ug/L	0.056	0.0095	1	06/14/13 06:59	06/18/13 07:59	85-01-8	M6
Pyrene	**0.020J**	ug/L	0.056	0.0056	1	06/14/13 06:59	06/18/13 07:59	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	53	%	24-130		1	06/14/13 06:59	06/18/13 07:59	321-60-8	S4
Terphenyl-d14 (S)	80	%	44-169		1	06/14/13 06:59	06/18/13 07:59	1718-51-0	S4
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**171**	mg/L	40.0	20.0	10		06/18/13 11:24	16887-00-6	
Sulfate	**2.5J**	mg/L	4.0	2.0	1		06/17/13 18:50	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**<0.055**	mg/L	0.25	0.055	1		06/19/13 18:04		M0

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079529

Sample: 061113005 **Lab ID: 4079529005** Collected: 06/11/13 12:25 Received: 06/13/13 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Methane	**11.2**	ug/L	2.8	0.64	1		06/14/13 09:20	74-82-8	
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**1300**	ug/L	25.0	8.4	25		06/17/13 22:04	71-43-2	
Ethylbenzene	**223**	ug/L	25.0	8.5	25		06/17/13 22:04	100-41-4	
Toluene	**1090**	ug/L	25.0	8.6	25		06/17/13 22:04	108-88-3	
Xylene (Total)	**696**	ug/L	75.0	25.7	25		06/17/13 22:04	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	96	%	80-120		25		06/17/13 22:04	98-08-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**6.4**	ug/L	5.6	0.53	100	06/14/13 06:59	06/14/13 12:54	83-32-9	
Acenaphthylene	**87.6**	ug/L	5.6	0.42	100	06/14/13 06:59	06/14/13 12:54	208-96-8	
Anthracene	**9.7**	ug/L	5.6	0.68	100	06/14/13 06:59	06/14/13 12:54	120-12-7	
Benzo(a)anthracene	**3.4J**	ug/L	5.6	0.43	100	06/14/13 06:59	06/14/13 12:54	56-55-3	
Benzo(a)pyrene	**2.8J**	ug/L	5.6	0.34	100	06/14/13 06:59	06/14/13 12:54	50-32-8	
Benzo(b)fluoranthene	**1.3J**	ug/L	5.6	0.40	100	06/14/13 06:59	06/14/13 12:54	205-99-2	
Benzo(g,h,i)perylene	**1.1J**	ug/L	5.6	0.57	100	06/14/13 06:59	06/14/13 12:54	191-24-2	
Benzo(k)fluoranthene	**1.9J**	ug/L	5.6	0.51	100	06/14/13 06:59	06/14/13 12:54	207-08-9	
Chrysene	**3.6J**	ug/L	5.6	0.41	100	06/14/13 06:59	06/14/13 12:54	218-01-9	
Dibenz(a,h)anthracene	**<0.38**	ug/L	5.6	0.38	100	06/14/13 06:59	06/14/13 12:54	53-70-3	
Fluoranthene	**9.5**	ug/L	5.6	0.52	100	06/14/13 06:59	06/14/13 12:54	206-44-0	
Fluorene	**24.8**	ug/L	5.6	0.56	100	06/14/13 06:59	06/14/13 12:54	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.86J**	ug/L	5.6	0.55	100	06/14/13 06:59	06/14/13 12:54	193-39-5	
1-Methylnaphthalene	**109**	ug/L	55.6	5.9	1000	06/14/13 06:59	06/14/13 16:45	90-12-0	
2-Methylnaphthalene	**108**	ug/L	5.6	0.45	100	06/14/13 06:59	06/14/13 12:54	91-57-6	
Naphthalene	**349**	ug/L	55.6	5.7	1000	06/14/13 06:59	06/14/13 16:45	91-20-3	
Phenanthrene	**4.8J**	ug/L	5.6	0.95	100	06/14/13 06:59	06/14/13 12:54	85-01-8	
Pyrene	**10.9**	ug/L	5.6	0.56	100	06/14/13 06:59	06/14/13 12:54	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	0	%	24-130		100	06/14/13 06:59	06/14/13 12:54	321-60-8	S4
Terphenyl-d14 (S)	0	%	44-169		100	06/14/13 06:59	06/14/13 12:54	1718-51-0	S4
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**151**	mg/L	40.0	20.0	10		06/18/13 11:48	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**<0.055**	mg/L	0.25	0.055	1		06/19/13 18:07		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079529

Sample: 061113006 **Lab ID: 4079529006** Collected: 06/11/13 12:49 Received: 06/13/13 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Methane	**<0.64**	ug/L	2.8	0.64	1		06/14/13 09:29	74-82-8	
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.34**	ug/L	1.0	0.34	1		06/17/13 22:29	71-43-2	
Ethylbenzene	**<0.34**	ug/L	1.0	0.34	1		06/17/13 22:29	100-41-4	
Toluene	**<0.34**	ug/L	1.0	0.34	1		06/17/13 22:29	108-88-3	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		06/17/13 22:29	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		06/17/13 22:29	98-08-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.0054**	ug/L	0.056	0.0054	1	06/14/13 06:59	06/14/13 14:42	83-32-9	
Acenaphthylene	**0.012J**	ug/L	0.056	0.0043	1	06/14/13 06:59	06/14/13 14:42	208-96-8	
Anthracene	**0.0078J**	ug/L	0.056	0.0068	1	06/14/13 06:59	06/14/13 14:42	120-12-7	
Benzo(a)anthracene	**0.0085J**	ug/L	0.056	0.0043	1	06/14/13 06:59	06/14/13 14:42	56-55-3	
Benzo(a)pyrene	**0.0074J**	ug/L	0.056	0.0034	1	06/14/13 06:59	06/14/13 14:42	50-32-8	
Benzo(b)fluoranthene	**0.0079J**	ug/L	0.056	0.0040	1	06/14/13 06:59	06/14/13 14:42	205-99-2	
Benzo(g,h,i)perylene	**<0.0057**	ug/L	0.056	0.0057	1	06/14/13 06:59	06/14/13 14:42	191-24-2	
Benzo(k)fluoranthene	**0.0079J**	ug/L	0.056	0.0052	1	06/14/13 06:59	06/14/13 14:42	207-08-9	
Chrysene	**0.017J**	ug/L	0.056	0.0041	1	06/14/13 06:59	06/14/13 14:42	218-01-9	
Dibenz(a,h)anthracene	**<0.0038**	ug/L	0.056	0.0038	1	06/14/13 06:59	06/14/13 14:42	53-70-3	
Fluoranthene	**0.013J**	ug/L	0.056	0.0052	1	06/14/13 06:59	06/14/13 14:42	206-44-0	
Fluorene	**<0.0057**	ug/L	0.056	0.0057	1	06/14/13 06:59	06/14/13 14:42	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0056**	ug/L	0.056	0.0056	1	06/14/13 06:59	06/14/13 14:42	193-39-5	
1-Methylnaphthalene	**<0.0060**	ug/L	0.056	0.0060	1	06/14/13 06:59	06/14/13 14:42	90-12-0	
2-Methylnaphthalene	**<0.0046**	ug/L	0.056	0.0046	1	06/14/13 06:59	06/14/13 14:42	91-57-6	
Naphthalene	**0.018J**	ug/L	0.056	0.0058	1	06/14/13 06:59	06/14/13 14:42	91-20-3	
Phenanthrene	**<0.0096**	ug/L	0.056	0.0096	1	06/14/13 06:59	06/14/13 14:42	85-01-8	
Pyrene	**0.017J**	ug/L	0.056	0.0057	1	06/14/13 06:59	06/14/13 14:42	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	48	%	24-130		1	06/14/13 06:59	06/14/13 14:42	321-60-8	
Terphenyl-d14 (S)	87	%	44-169		1	06/14/13 06:59	06/14/13 14:42	1718-51-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**2.6J**	mg/L	4.0	2.0	1		06/17/13 19:23	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**0.085J**	mg/L	0.25	0.055	1		06/19/13 18:08		

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079529

Sample: 061113007 **Lab ID: 4079529007** Collected: 06/11/13 13:35 Received: 06/13/13 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Methane	**<0.64**	ug/L	2.8	0.64	1		06/14/13 10:19	74-82-8	
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.34**	ug/L	1.0	0.34	1		06/18/13 02:46	71-43-2	
Ethylbenzene	**<0.34**	ug/L	1.0	0.34	1		06/18/13 02:46	100-41-4	
Toluene	**<0.34**	ug/L	1.0	0.34	1		06/18/13 02:46	108-88-3	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		06/18/13 02:46	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1		06/18/13 02:46	98-08-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.0048**	ug/L	0.050	0.0048	1	06/14/13 06:59	06/14/13 15:00	83-32-9	
Acenaphthylene	**0.025J**	ug/L	0.050	0.0038	1	06/14/13 06:59	06/14/13 15:00	208-96-8	
Anthracene	**0.014J**	ug/L	0.050	0.0061	1	06/14/13 06:59	06/14/13 15:00	120-12-7	
Benzo(a)anthracene	**0.0098J**	ug/L	0.050	0.0038	1	06/14/13 06:59	06/14/13 15:00	56-55-3	
Benzo(a)pyrene	**0.012J**	ug/L	0.050	0.0030	1	06/14/13 06:59	06/14/13 15:00	50-32-8	
Benzo(b)fluoranthene	**0.0090J**	ug/L	0.050	0.0036	1	06/14/13 06:59	06/14/13 15:00	205-99-2	
Benzo(g,h,i)perylene	**0.0095J**	ug/L	0.050	0.0051	1	06/14/13 06:59	06/14/13 15:00	191-24-2	
Benzo(k)fluoranthene	**0.013J**	ug/L	0.050	0.0046	1	06/14/13 06:59	06/14/13 15:00	207-08-9	
Chrysene	**0.018J**	ug/L	0.050	0.0037	1	06/14/13 06:59	06/14/13 15:00	218-01-9	
Dibenz(a,h)anthracene	**<0.0034**	ug/L	0.050	0.0034	1	06/14/13 06:59	06/14/13 15:00	53-70-3	
Fluoranthene	**0.022J**	ug/L	0.050	0.0047	1	06/14/13 06:59	06/14/13 15:00	206-44-0	
Fluorene	**<0.0051**	ug/L	0.050	0.0051	1	06/14/13 06:59	06/14/13 15:00	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.0061J**	ug/L	0.050	0.0050	1	06/14/13 06:59	06/14/13 15:00	193-39-5	
1-Methylnaphthalene	**0.0071J**	ug/L	0.050	0.0053	1	06/14/13 06:59	06/14/13 15:00	90-12-0	
2-Methylnaphthalene	**0.010J**	ug/L	0.050	0.0041	1	06/14/13 06:59	06/14/13 15:00	91-57-6	
Naphthalene	**0.034J**	ug/L	0.050	0.0051	1	06/14/13 06:59	06/14/13 15:00	91-20-3	
Phenanthrene	**0.011J**	ug/L	0.050	0.0086	1	06/14/13 06:59	06/14/13 15:00	85-01-8	
Pyrene	**0.022J**	ug/L	0.050	0.0050	1	06/14/13 06:59	06/14/13 15:00	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	46	%	24-130		1	06/14/13 06:59	06/14/13 15:00	321-60-8	
Terphenyl-d14 (S)	69	%	44-169		1	06/14/13 06:59	06/14/13 15:00	1718-51-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**292**	mg/L	40.0	20.0	10		06/18/13 11:57	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**0.85**	mg/L	0.25	0.055	1		06/19/13 18:08		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079529

Sample: 061113008 **Lab ID: 4079529008** Collected: 06/11/13 13:40 Received: 06/13/13 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.34**	ug/L	1.0	0.34	1		06/18/13 03:10	71-43-2	
Ethylbenzene	**<0.34**	ug/L	1.0	0.34	1		06/18/13 03:10	100-41-4	
Toluene	**<0.34**	ug/L	1.0	0.34	1		06/18/13 03:10	108-88-3	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		06/18/13 03:10	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%	80-120		1		06/18/13 03:10	98-08-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.0048**	ug/L	0.050	0.0048	1	06/14/13 06:59	06/14/13 15:17	83-32-9	
Acenaphthylene	**0.025J**	ug/L	0.050	0.0038	1	06/14/13 06:59	06/14/13 15:17	208-96-8	
Anthracene	**0.014J**	ug/L	0.050	0.0061	1	06/14/13 06:59	06/14/13 15:17	120-12-7	
Benzo(a)anthracene	**0.012J**	ug/L	0.050	0.0038	1	06/14/13 06:59	06/14/13 15:17	56-55-3	
Benzo(a)pyrene	**0.017J**	ug/L	0.050	0.0030	1	06/14/13 06:59	06/14/13 15:17	50-32-8	
Benzo(b)fluoranthene	**0.012J**	ug/L	0.050	0.0036	1	06/14/13 06:59	06/14/13 15:17	205-99-2	
Benzo(g,h,i)perylene	**0.011J**	ug/L	0.050	0.0051	1	06/14/13 06:59	06/14/13 15:17	191-24-2	
Benzo(k)fluoranthene	**0.016J**	ug/L	0.050	0.0046	1	06/14/13 06:59	06/14/13 15:17	207-08-9	
Chrysene	**0.025J**	ug/L	0.050	0.0037	1	06/14/13 06:59	06/14/13 15:17	218-01-9	
Dibenz(a,h)anthracene	**<0.0034**	ug/L	0.050	0.0034	1	06/14/13 06:59	06/14/13 15:17	53-70-3	
Fluoranthene	**0.022J**	ug/L	0.050	0.0047	1	06/14/13 06:59	06/14/13 15:17	206-44-0	
Fluorene	**<0.0051**	ug/L	0.050	0.0051	1	06/14/13 06:59	06/14/13 15:17	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.0065J**	ug/L	0.050	0.0050	1	06/14/13 06:59	06/14/13 15:17	193-39-5	
1-Methylnaphthalene	**0.0083J**	ug/L	0.050	0.0053	1	06/14/13 06:59	06/14/13 15:17	90-12-0	
2-Methylnaphthalene	**0.010J**	ug/L	0.050	0.0041	1	06/14/13 06:59	06/14/13 15:17	91-57-6	
Naphthalene	**0.036J**	ug/L	0.050	0.0051	1	06/14/13 06:59	06/14/13 15:17	91-20-3	
Phenanthrene	**0.012J**	ug/L	0.050	0.0086	1	06/14/13 06:59	06/14/13 15:17	85-01-8	
Pyrene	**0.027J**	ug/L	0.050	0.0050	1	06/14/13 06:59	06/14/13 15:17	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	50	%	24-130		1	06/14/13 06:59	06/14/13 15:17	321-60-8	
Terphenyl-d14 (S)	83	%	44-169		1	06/14/13 06:59	06/14/13 15:17	1718-51-0	

Sample: 061113009 **Lab ID: 4079529009** Collected: 06/11/13 14:27 Received: 06/13/13 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Methane	**7440**	ug/L	280	64.4	100		06/14/13 12:25	74-82-8	
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**3470**	ug/L	40.0	13.4	40		06/18/13 09:17	71-43-2	
Ethylbenzene	**331**	ug/L	40.0	13.6	40		06/18/13 09:17	100-41-4	
Toluene	**17.7J**	ug/L	40.0	13.8	40		06/18/13 09:17	108-88-3	
Xylene (Total)	**215**	ug/L	120	41.2	40		06/18/13 09:17	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	96	%	80-120		40		06/18/13 09:17	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079529

Sample: 061113009 **Lab ID: 4079529009** Collected: 06/11/13 14:27 Received: 06/13/13 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**97.8**	ug/L	5.0	0.48	100	06/14/13 06:59	06/14/13 13:29	83-32-9	
Acenaphthylene	**2.1J**	ug/L	5.0	0.38	100	06/14/13 06:59	06/14/13 13:29	208-96-8	
Anthracene	**11.3**	ug/L	5.0	0.61	100	06/14/13 06:59	06/14/13 13:29	120-12-7	
Benzo(a)anthracene	**0.91J**	ug/L	5.0	0.38	100	06/14/13 06:59	06/14/13 13:29	56-55-3	
Benzo(a)pyrene	**0.63J**	ug/L	5.0	0.30	100	06/14/13 06:59	06/14/13 13:29	50-32-8	
Benzo(b)fluoranthene	**<0.36**	ug/L	5.0	0.36	100	06/14/13 06:59	06/14/13 13:29	205-99-2	
Benzo(g,h,i)perylene	**<0.51**	ug/L	5.0	0.51	100	06/14/13 06:59	06/14/13 13:29	191-24-2	
Benzo(k)fluoranthene	**<0.46**	ug/L	5.0	0.46	100	06/14/13 06:59	06/14/13 13:29	207-08-9	
Chrysene	**1.3J**	ug/L	5.0	0.37	100	06/14/13 06:59	06/14/13 13:29	218-01-9	
Dibenz(a,h)anthracene	**<0.34**	ug/L	5.0	0.34	100	06/14/13 06:59	06/14/13 13:29	53-70-3	
Fluoranthene	**4.4J**	ug/L	5.0	0.47	100	06/14/13 06:59	06/14/13 13:29	206-44-0	
Fluorene	**24.4**	ug/L	5.0	0.51	100	06/14/13 06:59	06/14/13 13:29	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.50**	ug/L	5.0	0.50	100	06/14/13 06:59	06/14/13 13:29	193-39-5	
1-Methylnaphthalene	**128J**	ug/L	250	26.5	5000	06/14/13 06:59	06/14/13 17:03	90-12-0	
2-Methylnaphthalene	**102J**	ug/L	250	20.4	5000	06/14/13 06:59	06/14/13 17:03	91-57-6	
Naphthalene	**933**	ug/L	250	25.7	5000	06/14/13 06:59	06/14/13 17:03	91-20-3	
Phenanthrene	**41.4**	ug/L	5.0	0.86	100	06/14/13 06:59	06/14/13 13:29	85-01-8	
Pyrene	**6.5**	ug/L	5.0	0.50	100	06/14/13 06:59	06/14/13 13:29	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	0	%	24-130		100	06/14/13 06:59	06/14/13 13:29	321-60-8	S4
Terphenyl-d14 (S)	0	%	44-169		100	06/14/13 06:59	06/14/13 13:29	1718-51-0	S4
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**4.0J**	mg/L	4.0	2.0	1		06/17/13 19:40	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**0.17J**	mg/L	0.25	0.055	1		06/19/13 18:09		

Sample: 061113010 **Lab ID: 4079529010** Collected: 06/11/13 15:08 Received: 06/13/13 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Methane	**1.7J**	ug/L	2.8	0.64	1		06/14/13 10:35	74-82-8	
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.34**	ug/L	1.0	0.34	1		06/18/13 10:07	71-43-2	
Ethylbenzene	**<0.34**	ug/L	1.0	0.34	1		06/18/13 10:07	100-41-4	
Toluene	**<0.34**	ug/L	1.0	0.34	1		06/18/13 10:07	108-88-3	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		06/18/13 10:07	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%	80-120		1		06/18/13 10:07	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079529

Sample: 061113010 **Lab ID: 4079529010** Collected: 06/11/13 15:08 Received: 06/13/13 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.031J**	ug/L	0.050	0.0048	1	06/14/13 06:59	06/14/13 15:35	83-32-9	
Acenaphthylene	**0.0059J**	ug/L	0.050	0.0038	1	06/14/13 06:59	06/14/13 15:35	208-96-8	
Anthracene	**<0.0061**	ug/L	0.050	0.0061	1	06/14/13 06:59	06/14/13 15:35	120-12-7	
Benzo(a)anthracene	**<0.0038**	ug/L	0.050	0.0038	1	06/14/13 06:59	06/14/13 15:35	56-55-3	
Benzo(a)pyrene	**<0.0030**	ug/L	0.050	0.0030	1	06/14/13 06:59	06/14/13 15:35	50-32-8	
Benzo(b)fluoranthene	**0.0036J**	ug/L	0.050	0.0036	1	06/14/13 06:59	06/14/13 15:35	205-99-2	
Benzo(g,h,i)perylene	**<0.0051**	ug/L	0.050	0.0051	1	06/14/13 06:59	06/14/13 15:35	191-24-2	
Benzo(k)fluoranthene	**<0.0046**	ug/L	0.050	0.0046	1	06/14/13 06:59	06/14/13 15:35	207-08-9	
Chrysene	**0.0068J**	ug/L	0.050	0.0037	1	06/14/13 06:59	06/14/13 15:35	218-01-9	
Dibenz(a,h)anthracene	**<0.0034**	ug/L	0.050	0.0034	1	06/14/13 06:59	06/14/13 15:35	53-70-3	
Fluoranthene	**0.0054J**	ug/L	0.050	0.0047	1	06/14/13 06:59	06/14/13 15:35	206-44-0	
Fluorene	**0.0061J**	ug/L	0.050	0.0051	1	06/14/13 06:59	06/14/13 15:35	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0050**	ug/L	0.050	0.0050	1	06/14/13 06:59	06/14/13 15:35	193-39-5	
1-Methylnaphthalene	**0.050J**	ug/L	0.050	0.0053	1	06/14/13 06:59	06/14/13 15:35	90-12-0	
2-Methylnaphthalene	**0.041J**	ug/L	0.050	0.0041	1	06/14/13 06:59	06/14/13 15:35	91-57-6	
Naphthalene	**0.38**	ug/L	0.050	0.0051	1	06/14/13 06:59	06/14/13 15:35	91-20-3	
Phenanthrene	**<0.0086**	ug/L	0.050	0.0086	1	06/14/13 06:59	06/14/13 15:35	85-01-8	
Pyrene	**0.0072J**	ug/L	0.050	0.0050	1	06/14/13 06:59	06/14/13 15:35	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	42	%	24-130		1	06/14/13 06:59	06/14/13 15:35	321-60-8	
Terphenyl-d14 (S)	71	%	44-169		1	06/14/13 06:59	06/14/13 15:35	1718-51-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**74.3**	mg/L	20.0	10.0	5		06/18/13 12:21	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**0.073J**	mg/L	0.25	0.055	1		06/19/13 18:13		

Sample: TRIP 061113011 **Lab ID: 4079529011** Collected: 06/11/13 00:00 Received: 06/13/13 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.34**	ug/L	1.0	0.34	1		06/18/13 03:35	71-43-2	
Ethylbenzene	**<0.34**	ug/L	1.0	0.34	1		06/18/13 03:35	100-41-4	
Toluene	**<0.34**	ug/L	1.0	0.34	1		06/18/13 03:35	108-88-3	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		06/18/13 03:35	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1		06/18/13 03:35	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079529

QC Batch: GCV/10440 Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
Associated Lab Samples: 4079529001, 4079529002, 4079529003, 4079529004, 4079529005, 4079529006, 4079529007, 4079529009, 4079529010

METHOD BLANK: 808038 Matrix: Water
Associated Lab Samples: 4079529001, 4079529002, 4079529003, 4079529004, 4079529005, 4079529006, 4079529007, 4079529009, 4079529010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	<0.64	2.8	06/14/13 07:47	

LABORATORY CONTROL SAMPLE & LCSD: 808039 808040

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Methane	ug/L	28.6	26.8	27.9	94	98	77-120	4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 808082 808083

Parameter	Units	4079529002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methane	ug/L	1.5J	28.6	28.6	26.7	26.7	88	88	63-129	0	20	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079529

QC Batch: GCV/10453 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 4079529007, 4079529008, 4079529009, 4079529010, 4079529011

METHOD BLANK: 809144 Matrix: Water
Associated Lab Samples: 4079529007, 4079529008, 4079529009, 4079529010, 4079529011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.34	1.0	06/17/13 22:38	
Ethylbenzene	ug/L	<0.34	1.0	06/17/13 22:38	
Toluene	ug/L	<0.34	1.0	06/17/13 22:38	
Xylene (Total)	ug/L	<1.0	3.0	06/17/13 22:38	
a,a,a-Trifluorotoluene (S)	%	99	80-120	06/17/13 22:38	

LABORATORY CONTROL SAMPLE & LCSD: 809145 809146

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/L	20	22.0	22.2	110	111	80-120	1	20	
Ethylbenzene	ug/L	20	21.2	21.7	106	108	80-120	2	20	
Toluene	ug/L	20	21.4	21.7	107	109	80-120	2	20	
Xylene (Total)	ug/L	60	63.4	65.0	106	108	80-120	3	20	
a,a,a-Trifluorotoluene (S)	%				101	101	80-120			

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079529

QC Batch: GCV/10454 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 4079529001, 4079529002, 4079529003, 4079529004, 4079529005, 4079529006

METHOD BLANK: 809147 Matrix: Water
Associated Lab Samples: 4079529001, 4079529002, 4079529003, 4079529004, 4079529005, 4079529006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.34	1.0	06/17/13 13:10	
Ethylbenzene	ug/L	<0.34	1.0	06/17/13 13:10	
Toluene	ug/L	<0.34	1.0	06/17/13 13:10	
Xylene (Total)	ug/L	<1.0	3.0	06/17/13 13:10	
a,a,a-Trifluorotoluene (S)	%	100	80-120	06/17/13 13:10	

LABORATORY CONTROL SAMPLE & LCSD: 809148 809149

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/L	20	22.2	21.6	111	108	80-120	3	20	
Ethylbenzene	ug/L	20	20.2	20.0	101	100	80-120	1	20	
Toluene	ug/L	20	20.4	20.6	102	103	80-120	1	20	
Xylene (Total)	ug/L	60	59.8	59.9	100	100	80-120	0	20	
a,a,a-Trifluorotoluene (S)	%				97	100	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 809352 809353

Parameter	Units	4079529003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	1780	200	200	2070	2080	144	153	49-165	1	20	
Ethylbenzene	ug/L	1760	200	200	2070	2080	152	155	59-156	0	20	
Toluene	ug/L	29.9	200	200	240	242	105	106	80-135	1	20	
Xylene (Total)	ug/L	538	600	600	1180	1180	106	107	48-165	0	20	
a,a,a-Trifluorotoluene (S)	%						95	95	80-120			

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079529

QC Batch: OEXT/18588 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by SIM MSSV
Associated Lab Samples: 4079529001, 4079529002, 4079529003, 4079529004, 4079529005, 4079529006, 4079529007, 4079529008, 4079529009, 4079529010

METHOD BLANK: 808028 Matrix: Water
Associated Lab Samples: 4079529001, 4079529002, 4079529003, 4079529004, 4079529005, 4079529006, 4079529007, 4079529008, 4079529009, 4079529010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0053	0.050	06/14/13 09:58	
2-Methylnaphthalene	ug/L	<0.0041	0.050	06/14/13 09:58	
Acenaphthene	ug/L	<0.0048	0.050	06/14/13 09:58	
Acenaphthylene	ug/L	<0.0038	0.050	06/14/13 09:58	
Anthracene	ug/L	<0.0061	0.050	06/14/13 09:58	
Benzo(a)anthracene	ug/L	<0.0038	0.050	06/14/13 09:58	
Benzo(a)pyrene	ug/L	<0.0030	0.050	06/14/13 09:58	
Benzo(b)fluoranthene	ug/L	<0.0036	0.050	06/14/13 09:58	
Benzo(g,h,i)perylene	ug/L	<0.0051	0.050	06/14/13 09:58	
Benzo(k)fluoranthene	ug/L	<0.0046	0.050	06/14/13 09:58	
Chrysene	ug/L	<0.0037	0.050	06/14/13 09:58	
Dibenz(a,h)anthracene	ug/L	<0.0034	0.050	06/14/13 09:58	
Fluoranthene	ug/L	<0.0047	0.050	06/14/13 09:58	
Fluorene	ug/L	<0.0051	0.050	06/14/13 09:58	
Indeno(1,2,3-cd)pyrene	ug/L	<0.0050	0.050	06/14/13 09:58	
Naphthalene	ug/L	<0.0051	0.050	06/14/13 09:58	
Phenanthrene	ug/L	<0.0086	0.050	06/14/13 09:58	
Pyrene	ug/L	<0.0050	0.050	06/14/13 09:58	
2-Fluorobiphenyl (S)	%	66	24-130	06/14/13 09:58	
Terphenyl-d14 (S)	%	105	44-169	06/14/13 09:58	

LABORATORY CONTROL SAMPLE: 808029

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	.2	0.11	55	35-130	
2-Methylnaphthalene	ug/L	.2	0.11	55	32-130	
Acenaphthene	ug/L	.2	0.11	54	30-130	
Acenaphthylene	ug/L	.2	0.11	53	28-130	
Anthracene	ug/L	.2	0.13	65	22-130	
Benzo(a)anthracene	ug/L	.2	0.13	64	40-130	
Benzo(a)pyrene	ug/L	.2	0.16	81	51-130	
Benzo(b)fluoranthene	ug/L	.2	0.16	78	45-130	
Benzo(g,h,i)perylene	ug/L	.2	0.15	76	59-130	
Benzo(k)fluoranthene	ug/L	.2	0.18	88	60-130	
Chrysene	ug/L	.2	0.22	108	62-130	
Dibenz(a,h)anthracene	ug/L	.2	0.13	67	51-130	
Fluoranthene	ug/L	.2	0.13	65	43-130	
Fluorene	ug/L	.2	0.11	54	29-130	
Indeno(1,2,3-cd)pyrene	ug/L	.2	0.15	73	56-130	
Naphthalene	ug/L	.2	0.11	55	30-130	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079529

LABORATORY CONTROL SAMPLE: 808029

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/L	.2	0.11	53	29-130	
Pyrene	ug/L	.2	0.14	71	38-130	
2-Fluorobiphenyl (S)	%			77	24-130	
Terphenyl-d14 (S)	%			97	44-169	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 808030 808031

Parameter	Units	4079529004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/L	0.022J	.2	.2	5.2	5.0	2610	2510	10-130	4	50	M6
2-Methylnaphthalene	ug/L	0.013J	.2	.2	3.9	1.5J	1950	742	10-130		50	M6
Acenaphthene	ug/L	0.17	.2	.2	4.0	4.8	1920	2330	10-130	19	50	M6
Acenaphthylene	ug/L	0.17	.2	.2	0.37J	0.36J	101	93	10-130		50	
Anthracene	ug/L	0.081	.2	.2	<0.30	<0.30	75	106	10-130		45	
Benzo(a)anthracene	ug/L	<0.0043	.2	.2	<0.19	<0.19	0	32	22-130		21	M6
Benzo(a)pyrene	ug/L	<0.0034	.2	.2	<0.15	<0.15	0	0	40-130		20	M6
Benzo(b)fluoranthene	ug/L	<0.0040	.2	.2	<0.18	<0.18	0	0	23-130		23	M6
Benzo(g,h,i)perylene	ug/L	<0.0057	.2	.2	<0.26	<0.26	0	0	30-130		21	M6
Benzo(k)fluoranthene	ug/L	<0.0051	.2	.2	<0.23	<0.23	0	0	50-130		20	M6
Chrysene	ug/L	<0.0041	.2	.2	0.27J	0.24J	134	118	32-147		20	
Dibenz(a,h)anthracene	ug/L	<0.0038	.2	.2	<0.17	<0.17	0	0	14-130		26	M6
Fluoranthene	ug/L	0.018J	.2	.2	<0.23	<0.23	70	65	37-130		30	
Fluorene	ug/L	0.46	.2	.2	0.66J	0.75J	103	145	10-130		50	M6
Indeno(1,2,3-cd)pyrene	ug/L	<0.0055	.2	.2	<0.25	<0.25	0	0	27-130		23	M6
Naphthalene	ug/L	0.057	.2	.2	14.0	0.43J	6990	187	10-130		50	M6
Phenanthrene	ug/L	0.16	.2	.2	0.47J	0.46J	154	151	13-130		50	M6
Pyrene	ug/L	0.020J	.2	.2	<0.25	<0.25	106	72	34-130		32	
2-Fluorobiphenyl (S)	%						0	0	24-130			S4
Terphenyl-d14 (S)	%						0	0	44-169			S4

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079529

QC Batch: WETA/18132 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 4079529001, 4079529002, 4079529003, 4079529004, 4079529005, 4079529006, 4079529007, 4079529009, 4079529010

METHOD BLANK: 809368 Matrix: Water
Associated Lab Samples: 4079529001, 4079529002, 4079529003, 4079529004, 4079529005, 4079529006, 4079529007, 4079529009, 4079529010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	4.0	06/17/13 09:56	
Sulfate	mg/L	<2.0	4.0	06/17/13 09:56	

LABORATORY CONTROL SAMPLE: 809369

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	19.0	95	90-110	
Sulfate	mg/L	20	18.9	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 809370 809371

Parameter	Units	4079711001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	128	100	100	232	231	103	103	90-110	0	20	
Sulfate	mg/L	44.6	100	100	142	143	98	98	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 809372 809373

Parameter	Units	4079529004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	171	200	200	371	373	100	101	90-110	1	20	
Sulfate	mg/L	2.5J	20	20	20.8	21.1	92	93	90-110	1	20	

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079529

QC Batch: WETA/18181 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 4079529001, 4079529002, 4079529003, 4079529004, 4079529005, 4079529006, 4079529007, 4079529009, 4079529010

METHOD BLANK: 810719 Matrix: Water
Associated Lab Samples: 4079529001, 4079529002, 4079529003, 4079529004, 4079529005, 4079529006, 4079529007, 4079529009, 4079529010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.055	0.25	06/19/13 17:55	

LABORATORY CONTROL SAMPLE: 810720

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.5	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 810721 810722

Parameter	Units	4079529001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.081J	2.5	2.5	2.5	2.5	97	97	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 810723 810724

Parameter	Units	4079529004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	<0.055	2.5	2.5	1.4	1.4	56	55	90-110	2	20	M0

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079529

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: MSSV/5753

[IP] Benzo(b)fluoranthene and benzo(k)fluoranthene were in the check standard but did not meet the resolution criteria in SW846 Method 8270C. Whereas sample results included are reported as individual isomers, the lab and the customer must recognize them as an isomeric pair.

ANALYTE QUALIFIERS

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079529

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4079529001	061113001	EPA 8015B Modified	GCV/10440		
4079529002	061113002	EPA 8015B Modified	GCV/10440		
4079529003	061113003	EPA 8015B Modified	GCV/10440		
4079529004	061113004	EPA 8015B Modified	GCV/10440		
4079529005	061113005	EPA 8015B Modified	GCV/10440		
4079529006	061113006	EPA 8015B Modified	GCV/10440		
4079529007	061113007	EPA 8015B Modified	GCV/10440		
4079529009	061113009	EPA 8015B Modified	GCV/10440		
4079529010	061113010	EPA 8015B Modified	GCV/10440		
4079529001	061113001	WI MOD GRO	GCV/10454		
4079529002	061113002	WI MOD GRO	GCV/10454		
4079529003	061113003	WI MOD GRO	GCV/10454		
4079529004	061113004	WI MOD GRO	GCV/10454		
4079529005	061113005	WI MOD GRO	GCV/10454		
4079529006	061113006	WI MOD GRO	GCV/10454		
4079529007	061113007	WI MOD GRO	GCV/10453		
4079529008	061113008	WI MOD GRO	GCV/10453		
4079529009	061113009	WI MOD GRO	GCV/10453		
4079529010	061113010	WI MOD GRO	GCV/10453		
4079529011	TRIP 061113011	WI MOD GRO	GCV/10453		
4079529001	061113001	EPA 3510	OEXT/18588	EPA 8270 by SIM	MSSV/5753
4079529002	061113002	EPA 3510	OEXT/18588	EPA 8270 by SIM	MSSV/5753
4079529003	061113003	EPA 3510	OEXT/18588	EPA 8270 by SIM	MSSV/5753
4079529004	061113004	EPA 3510	OEXT/18588	EPA 8270 by SIM	MSSV/5753
4079529005	061113005	EPA 3510	OEXT/18588	EPA 8270 by SIM	MSSV/5753
4079529006	061113006	EPA 3510	OEXT/18588	EPA 8270 by SIM	MSSV/5753
4079529007	061113007	EPA 3510	OEXT/18588	EPA 8270 by SIM	MSSV/5753
4079529008	061113008	EPA 3510	OEXT/18588	EPA 8270 by SIM	MSSV/5753
4079529009	061113009	EPA 3510	OEXT/18588	EPA 8270 by SIM	MSSV/5753
4079529010	061113010	EPA 3510	OEXT/18588	EPA 8270 by SIM	MSSV/5753
4079529001	061113001	EPA 300.0	WETA/18132		
4079529002	061113002	EPA 300.0	WETA/18132		
4079529003	061113003	EPA 300.0	WETA/18132		
4079529004	061113004	EPA 300.0	WETA/18132		
4079529005	061113005	EPA 300.0	WETA/18132		
4079529006	061113006	EPA 300.0	WETA/18132		
4079529007	061113007	EPA 300.0	WETA/18132		
4079529009	061113009	EPA 300.0	WETA/18132		
4079529010	061113010	EPA 300.0	WETA/18132		
4079529001	061113001	EPA 353.2	WETA/18181		
4079529002	061113002	EPA 353.2	WETA/18181		
4079529003	061113003	EPA 353.2	WETA/18181		
4079529004	061113004	EPA 353.2	WETA/18181		
4079529005	061113005	EPA 353.2	WETA/18181		
4079529006	061113006	EPA 353.2	WETA/18181		
4079529007	061113007	EPA 353.2	WETA/18181		

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079529

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4079529009	**061113009**	EPA 353.2	WETA/18181		
4079529010	**061113010**	EPA 353.2	WETA/18181		

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Pace Analytical®
www.pacelabs.com

153103

4079529

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Natural Resource Tech
Branch/Location:	Milwaukee
Project Contact:	Heather Simon
Phone:	262-523-9000
Project Number:	1313
Project Name:	Camp Marina Former MGP
Project State:	WI
Sampled By (Print):	Sarah Vanswinderen
Sampled By (Sign):	
PO #:	340000 2393
Regulatory Program:	

Quote #:	340000 2393
Mail To Contact:	Jody Barbeau
Mail To Company:	Natural Resource Tech
Mail To Address:	234 Florida St Milwaukee WI 53204
Invoice To Contact:	Accounts Payable
Invoice To Company:	JBS LLC
Invoice To Address:	PO Box 19800 Green Bay WI 54307
Invoice To Phone:	920-433-2929

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☒ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

FILTERED? (YES/NO) — Y/N: N N
PRESERVATION (CODE)* — Pick Letter: B B

Analyses Requested: BTEX; Methane

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	CLIENT COMMENTS TIME	LAB COMMENTS (Lab Use Only)	Profile #
001	061113001 6/11	13	852	(MW)	852	6-40mlB; 1-1lagA; 2-250mlpAC	
002	06113002	SAC	915		1002		
003	06113003		1052		1043		
004	06113004		1043		1110	940mlB; 3-1lagA	
005	06113005		1110		1225		
006	06113006		1225		1249		
007	06113007		1249		1335		
008	06113008		1335		1340	3-40mlB	
009	06113009		1427		1427		
010	06113010		1508		1508		
011	Trip 06113011	V	—	LAB	TripBlank	2-40mlB	

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
	6/12/13	Mary Fanara	6/12/13 14:32
CS Logistics	6/13/13 0930	Pace GB	6/13/13 0930

PACE Project No. 4079529

Receipt Temp = ROI °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 5.0 06/14/06

C019a(27Jun2006)

Custody seal 130612001 & 130612002

ORIGINAL

(Please Print Clearly)

Company Name:	Natural Resource Tech
Branch/Location:	Milwaukee
Project Contact:	Heather Simon
Phone:	262-523-9000
Project Number:	1313
Project Name:	CAMP Marina Former MGP
Project State:	WI
Sampled By (Print):	Sarah Goswell
Sampled By (Sign):	[signature]
PO #:	34 0000 2393
Regulatory Program:	

Pace Analytical®
www.pacelabs.com

1530 001

CHAIN OF CUSTODY

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

4079529

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	340030 2393
Mail To Contact:	Jody Barbeau
Mail To Company:	Natural Resource Tech
Mail To Address:	234 Florida St Milwaukee WI 53204
Invoice To Contact:	Accounts Payable
Invoice To Company:	IBS 002
Invoice To Address:	PO Box 19800 Green Bay WI 54307
Invoice To Phone:	920-433-2929

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☒ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge
W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

					PAH 8270	Sulfate 300	N+N 353.2							
FILTERED? (YES/NO)				Y/N	N	N	N							
PRESERVATION (CODE)*				Pick Letter	A	A	C							
PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX								CLIENT COMMENTS (Time)	LAB COMMENTS (Lab Use Only)	Profile #
001	061113001	6/11/13	852	GW	x	x	x					852		
002	061113002		1002		x	x	x					1002		
003	061113003		1043		x	x	x					1043		
004	061113004		1110		x	x	x					1110		
005	061113005		1225		x	x	x					1225		
006	061113006	↓	1249	↓	x	x	x					1249		

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	6/12/13	Mary [signature]	6/12/13 1432
CS Logistics	6/13/13 0930	[signature] Pace GB	6/13/13 0930

PACE Project No.

Receipt Temp = ROI °C

Sample Receipt pH: OK / Adjusted (OK circled)

Cooler Custody Seal: Present / Not Present; Intact / Not Intact (Present, Intact circled)

Custody Seal, 130612003 & 130612004

C019a(27Jun2006) Version 6.0 06/14/06

ORIGINAL

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Pace Analytical®
www.pacelabs.com

1530002

4079529

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Natural Resource Tech
Branch/Location:	Milwaukee WI
Project Contact:	Heather Simon
Phone:	262-719-4508
Project Number:	1313
Project Name:	Camp Marina Portage WI
Project State:	WI
Sampled By (Print):	Leah Crawford
Sampled By (Sign):	
PO #:	3400002393
Regulatory Program:	

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☒ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	Analyses Requested: PAH 8270	Sulfate 300	NH4N 350.2	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					Y/N	Pick Letter						
007	061113007	6/11/13	1335	GW	N	A	X	X	X			
008	061113008		1340		N	A	X					
009	061113009		1427		N	A	X	X	X			
010	061113010		1508		N	A	X	X	X			

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	6/12/13	[signature]	6/12/13 1430
CS Logistic	6/13/13 0930	[signature] PaceGB	6/13/13 0930

PACE Project No.

Receipt Temp = ROI °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 6.0 08/14/06

Custody seal # 1306120001 & 1306120002

C019a(27Jun2006)

ORIGINAL

Pace Analytical Services, In
1241 Bellevue Street, Suite
Green Bay, WI 543

Pace Analytical™

Sample Condition Upon Receipt

Client Name: NRT Project # 4079529

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Commercial ☐ Pace Other CS Logistics

Tracking #:

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

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

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

Cooler Temperature Uncorr: RoT /Corr: Biological Tissue is Frozen: ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Person examining contents:
Date: 6/13/13
Initials: EMH

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

				Comments:
Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes	☐No		Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	7.
Sufficient Volume:	☑Yes	☐No	☐N/A	8.
Correct Containers Used:	☑Yes	☐No	☐N/A	9.
-Pace Containers Used:	☑Yes	☐No	☐N/A	
-Pace IR Containers Used:	☐Yes	☐No	☑N/A	
Containers Intact:	☑Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11.
Sample Labels match COC:	☑Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W				
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☑Yes	☐No	☐N/A	13. ☐ HNO3 ☑ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☑Yes	☐No	☐N/A	
exceptions: (VOA), coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☑Yes	☐No		Initial when completed EMH / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	14.
Trip Blank Present:	☑Yes	☐No	☐N/A	15.
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if purchased):				

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: Date: 6-13-13

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

June 19, 2013

Heather Simon
Natural Resource Technology
234 W. Florida St, 5th Floor
Milwaukee, WI 53204

RE: Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079530

Dear Heather Simon:
Enclosed are the analytical results for sample(s) received by the laboratory on June 13, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian Basten

brian.basten@pacelabs.com
Project Manager

Enclosures

cc: Donna R Deuster, Natural Resource Technology
Jennifer Hagen, NATURAL RESOURCE TECHNOLOGY
Brian Hennings, NATURAL RESOURCE TECHNOLOGY
Julie Zimdars, NATURAL RESOURCE TECHNOLOGY

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079530

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079530

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4079530001	**061113012**	Air	06/11/13 15:10	06/13/13 09:30
4079530002	**061113013**	Air	06/11/13 15:40	06/13/13 09:30

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079530

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4079530001	**061113012**	EPA 8021	PMS	5
4079530002	**061113013**	EPA 8021	PMS	5

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079530

Sample: 061113012 **Lab ID: 4079530001** Collected: 06/11/13 15:10 Received: 06/13/13 09:30 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8021 GCV Impingers	Analytical Method: EPA 8021 Preparation Method: EPA 5030								
Benzene	**<0.15**	ug/L	0.30	0.15	50	06/14/13 11:41	06/14/13 14:29	71-43-2	
Ethylbenzene	**<0.38**	ug/L	0.75	0.38	50	06/14/13 11:41	06/14/13 14:29	100-41-4	
Toluene	**<0.38**	ug/L	0.75	0.38	50	06/14/13 11:41	06/14/13 14:29	108-88-3	
Xylene (Total)	**<1.1**	ug/L	2.2	1.1	50	06/14/13 11:41	06/14/13 14:29	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	105	%	80-120		50	06/14/13 11:41	06/14/13 14:29	98-08-8	

Sample: 061113013 **Lab ID: 4079530002** Collected: 06/11/13 15:40 Received: 06/13/13 09:30 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8021 GCV Impingers	Analytical Method: EPA 8021 Preparation Method: EPA 5030								
Benzene	**<0.15**	ug/L	0.30	0.15	50	06/14/13 11:41	06/14/13 14:55	71-43-2	
Ethylbenzene	**<0.38**	ug/L	0.75	0.38	50	06/14/13 11:41	06/14/13 14:55	100-41-4	
Toluene	**<0.38**	ug/L	0.75	0.38	50	06/14/13 11:41	06/14/13 14:55	108-88-3	
Xylene (Total)	**<1.1**	ug/L	2.2	1.1	50	06/14/13 11:41	06/14/13 14:55	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	105	%	80-120		50	06/14/13 11:41	06/14/13 14:55	98-08-8	

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079530

QC Batch: GCV/10448 Analysis Method: EPA 8021
QC Batch Method: EPA 5030 Analysis Description: 8021 Impingers
Associated Lab Samples: 4079530001, 4079530002

METHOD BLANK: 808295 Matrix: Air
Associated Lab Samples: 4079530001, 4079530002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.10	0.20	06/14/13 11:20	
Ethylbenzene	ug/L	<0.25	0.50	06/14/13 11:20	
Toluene	ug/L	<0.25	0.50	06/14/13 11:20	
Xylene (Total)	ug/L	<0.75	1.5	06/14/13 11:20	
a,a,a-Trifluorotoluene (S)	%	100	80-120	06/14/13 11:20	

LABORATORY CONTROL SAMPLE & LCSD: 808296 808297

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/L	10	9.1	10	91	100	80-121	9	20	
Ethylbenzene	ug/L	10	8.7	9.6	87	96	80-120	10	20	
Toluene	ug/L	10	9.0	9.9	90	99	80-120	9	20	
Xylene (Total)	ug/L	30	26.1	28.8	87	96	80-120	10	20	
a,a,a-Trifluorotoluene (S)	%				99	101	80-120			

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079530

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1313 CAMP MARINA FORMER MGP
Pace Project No.: 4079530

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4079530001	**061113012**	EPA 5030	GCV/10448	EPA 8021	GCV/10449
4079530002	**061113013**	EPA 5030	GCV/10448	EPA 8021	GCV/10449

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Pace Analytical®
www.pacelabs.com

1530 004

4079530

CHAIN OF CUSTODY

(Please Print Clearly)

Company Name:	Natural Resource Tech
Branch/Location:	Milwaukee
Project Contact:	Heather Simon
Phone:	4148373607
Project Number:	1313
Project Name:	Camp Marina Former MGP
Project State:	WI
Sampled By (Print):	Jacob Walczak
Sampled By (Sign):	[signature]
PO #:	3400002393
Regulatory Program:	

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	3400002393
E Mail To Contact:	Jody Barbeau
E Mail To Company:	Natural Resource Tech
Mail To Address:	234 Florida St. Milwaukee, WI 53204
Invoice To Contact:	Accounts Payable
Invoice To Company:	IBS LLC
Invoice To Address:	PO Box 19800 Green Bay, WI 54307
Invoice To Phone:	920-433-2929

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge
W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

FILTERED? (YES/NO) Y/N: N
PRESERVATION (CODE)* Pick Letter: F
Analyses Requested: BTEX

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	BTEX	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	061113012	6-11-13	1540	A	X		1-40mlF	
002	061113013	6-11-13	1540	A	X	Field Blank	✓	

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	6/12/13	Mary [signature]	6/12/13 1432
CS Logistics	6/13/13 0930	E. [signature] Pace GB	6/13/13 0930

PACE Project No. 4079530

Receipt Temp = ROI °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

Custody Seal # 130612001 & 130612002

ORIGINAL

Pace Analytical™
Pace Analytical Services, I
1241 Bellevue Street, Suite
Green Bay, WI 543

Sample Condition Upon Receipt

Client Name: NRT Project # 4079530

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Commercial ☐ Pace Other CSLogistics

Tracking #:

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

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

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

Cooler Temperature Uncorr: ROI /Corr: Biological Tissue is Frozen: ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Person examining contents:
Date: 6/13/13
Initials: EMH

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

			Comments:
Chain of Custody Present:	☑Yes	☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No ☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes	☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes	☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☑No ☐N/A	7.
Sufficient Volume:	☑Yes	☐No ☐N/A	8.
Correct Containers Used:	☑Yes	☐No ☐N/A	9.
-Pace Containers Used:	☑Yes	☐No ☐N/A	
-Pace IR Containers Used:	☐Yes	☐No ☑N/A	
Containers Intact:	☑Yes	☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No ☑N/A	11.
Sample Labels match COC:	☑Yes	☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: A			
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes	☐No ☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes	☐No ☑N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☐Yes	☐No	Initial when completed / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes	☐No ☑N/A	14.
Trip Blank Present:	☐Yes	☐No ☑N/A	15.
Trip Blank Custody Seals Present	☐Yes	☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):			

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: Date: 6-13-13

Sample Control Log

Project Name: WPSC Campmarina MGP Site

Project ID: 1313 / CERCLIS ID WIN000510058

Task ID:

Analytical Laboratory: Pace Laboratories, GB WI

Geotechnical Laboratory: n/a

Field Staff ID(s): Sarah Grasewicz

Month (2-digit)	Date (2-digit)	Year (2-digit)	Sample Number (3-digit)	Unique Sample ID	Sample Media	Sample Location	Sample Depth (feet)	QC Sample Information (duplicate, blank, etc...)	COC Number	Notes (turnaround time, handling notes
12	03	13	001	120313001	GW	MW 109R	~12	na	CMP-01-13 CMP-02-13	752
12	03	13	002	120313002	GW	MW 108	~10	↓		831
12	03	13	003	120313003	GW	↓	~10	DUPLICATE		PATH BTEX ONLY 836
12	03	13	004	120313004	GW	PZ 102	~42	na		929
12	03	13	005	120313005	GW	MW 106	~8			1024
12	03	13	006	120313006	GW	BW 6	~21			1128
12	03	13	007	120313007	GW	MW 107R	~6		↓	1236
12	03	13	008	120313008	GW	PZ 103	~28		CMP-02-13	1334
12	03	13	009	120313009	GW	MW 101R	~12			1435
12	03	13	010	120313010	GW	PZ 101	~28	MS/MSD		1522 MS/MSD
12	03	13	011	120313011	Lab	Trip	—	na	↓	na
~~12~~	~~03~~	~~13~~	~~012~~		Impinger					1615 per JMH not submitted
~~12~~	~~03~~	~~13~~	~~013~~		Trip/Lab					
12	03	13	012	120313012	Surface Water	Staff	—	na		4.83 DTW 1530 Time
12	03	13	013	120313013	GW	Sump	—	↓		5.03 1535 ↓
12	03	13	014	120313014	GW	MW 105				

1313-SCL-017
SCL

Natural Resource Technology

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

December 17, 2013

Sarah Ganswindt
NATURAL RESOURCE TECHNOLOGY
234 W. Florida St, 5th Floor
Milwaukee, WI 53204

RE: Project: 1313 CAMP MARINA
Pace Project No.: 4089474

Dear Sarah Ganswindt:
Enclosed are the analytical results for sample(s) received by the laboratory on December 04, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian Basten

brian.basten@pacelabs.com
Project Manager

Enclosures

cc: Brian Hennings, NATURAL RESOURCE TECHNOLOGY

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 1313 CAMP MARINA
Pace Project No.: 4089474

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 1313 CAMP MARINA
Pace Project No.: 4089474

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4089474001	**120313001**	Water	12/03/13 07:52	12/04/13 15:00
4089474002	**120313002**	Water	12/03/13 08:31	12/04/13 15:00
4089474003	**120313003**	Water	12/03/13 08:36	12/04/13 15:00
4089474004	**120313004**	Water	12/03/13 09:29	12/04/13 15:00
4089474005	**120313005**	Water	12/03/13 10:24	12/04/13 15:00
4089474006	**120313006**	Water	12/03/13 11:28	12/04/13 15:00
4089474007	**120313007**	Water	12/03/13 12:36	12/04/13 15:00
4089474008	**120313008**	Water	12/03/13 13:37	12/04/13 15:00
4089474009	**120313009**	Water	12/03/13 14:35	12/04/13 15:00
4089474010	**120313010**	Water	12/03/13 15:22	12/04/13 15:00
4089474011	**120313011**	Water	12/03/13 00:00	12/04/13 15:00

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 1313 CAMP MARINA
Pace Project No.: 4089474

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4089474001	120313001	EPA 8015B Modified	MRS	1
		WI MOD GRO	PMS	5
		EPA 8270 by SIM	RJN	20
		EPA 300.0	JCJ	1
		EPA 353.2	HMB	1
4089474002	120313002	EPA 8015B Modified	MRS	1
		WI MOD GRO	PMS	5
		EPA 8270 by SIM	RJN	20
		EPA 300.0	JCJ	1
		EPA 353.2	HMB	1
4089474003	120313003	WI MOD GRO	PMS	5
		EPA 8270 by SIM	RJN	20
4089474004	120313004	EPA 8015B Modified	MRS	1
		WI MOD GRO	PMS	5
		EPA 8270 by SIM	RJN	20
		EPA 300.0	JCJ	1
		EPA 353.2	HMB	1
4089474005	120313005	EPA 8015B Modified	MRS	1
		WI MOD GRO	PMS	5
		EPA 8270 by SIM	RJN	20
		EPA 300.0	JCJ	1
		EPA 353.2	HMB	1
4089474006	120313006	EPA 8015B Modified	MRS	1
		WI MOD GRO	PMS	5
		EPA 8270 by SIM	RJN	20
		EPA 300.0	JCJ	1
		EPA 353.2	HMB	1
4089474007	120313007	EPA 8015B Modified	MRS	1
		WI MOD GRO	PMS	5
		EPA 8270 by SIM	RJN	20
		EPA 300.0	JCJ	1
		EPA 353.2	HMB	1
4089474008	120313008	EPA 8015B Modified	MRS	1
		WI MOD GRO	PMS	5
		EPA 8270 by SIM	RJN	20
		EPA 300.0	JCJ	1
		EPA 353.2	HMB	1

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 1313 CAMP MARINA
Pace Project No.: 4089474

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4089474009	**120313009**	EPA 8015B Modified	MRS	1
		WI MOD GRO	PMS	5
		EPA 8270 by SIM	RJN	20
		EPA 300.0	JCJ	1
		EPA 353.2	HMB	1
4089474010	**120313010**	WI MOD GRO	PMS	5
		EPA 8270 by SIM	RJN	20
		EPA 300.0	JCJ	1
		EPA 353.2	HMB	1
4089474011	**120313011**	WI MOD GRO	PMS	5

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1313 CAMP MARINA
Pace Project No.: 4089474

Sample: 120313001 **Lab ID: 4089474001** Collected: 12/03/13 07:52 Received: 12/04/13 15:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Methane	**3020**	ug/L	56.0	12.9	20		12/05/13 14:31	74-82-8	
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.34**	ug/L	1.0	0.34	1		12/05/13 22:58	71-43-2	
Ethylbenzene	**<0.34**	ug/L	1.0	0.34	1		12/05/13 22:58	100-41-4	
Toluene	**<0.34**	ug/L	1.0	0.34	1		12/05/13 22:58	108-88-3	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		12/05/13 22:58	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1		12/05/13 22:58	98-08-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.0045**	ug/L	0.047	0.0045	1	12/10/13 12:00	12/10/13 16:54	83-32-9	
Acenaphthylene	**0.0068J**	ug/L	0.047	0.0036	1	12/10/13 12:00	12/10/13 16:54	208-96-8	
Anthracene	**0.038J**	ug/L	0.047	0.0057	1	12/10/13 12:00	12/10/13 16:54	120-12-7	
Benzo(a)anthracene	**<0.0036**	ug/L	0.047	0.0036	1	12/10/13 12:00	12/10/13 16:54	56-55-3	B
Benzo(a)pyrene	**0.0032J**	ug/L	0.047	0.0029	1	12/10/13 12:00	12/10/13 16:54	50-32-8	B
Benzo(b)fluoranthene	**<0.0034**	ug/L	0.047	0.0034	1	12/10/13 12:00	12/10/13 16:54	205-99-2	
Benzo(g,h,i)perylene	**<0.0048**	ug/L	0.047	0.0048	1	12/10/13 12:00	12/10/13 16:54	191-24-2	
Benzo(k)fluoranthene	**0.0047J**	ug/L	0.047	0.0044	1	12/10/13 12:00	12/10/13 16:54	207-08-9	B
Chrysene	**0.0072J**	ug/L	0.047	0.0035	1	12/10/13 12:00	12/10/13 16:54	218-01-9	B
Dibenz(a,h)anthracene	**<0.0032**	ug/L	0.047	0.0032	1	12/10/13 12:00	12/10/13 16:54	53-70-3	
Fluoranthene	**0.011J**	ug/L	0.047	0.0044	1	12/10/13 12:00	12/10/13 16:54	206-44-0	B
Fluorene	**<0.0048**	ug/L	0.047	0.0048	1	12/10/13 12:00	12/10/13 16:54	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0047**	ug/L	0.047	0.0047	1	12/10/13 12:00	12/10/13 16:54	193-39-5	
1-Methylnaphthalene	**<0.0050**	ug/L	0.047	0.0050	1	12/10/13 12:00	12/10/13 16:54	90-12-0	
2-Methylnaphthalene	**0.0055J**	ug/L	0.047	0.0039	1	12/10/13 12:00	12/10/13 16:54	91-57-6	
Naphthalene	**0.019J**	ug/L	0.047	0.0048	1	12/10/13 12:00	12/10/13 16:54	91-20-3	B
Phenanthrene	**0.011J**	ug/L	0.047	0.0081	1	12/10/13 12:00	12/10/13 16:54	85-01-8	
Pyrene	**0.011J**	ug/L	0.047	0.0047	1	12/10/13 12:00	12/10/13 16:54	129-00-0	B
Surrogates									
2-Fluorobiphenyl (S)	46	%	24-130		1	12/10/13 12:00	12/10/13 16:54	321-60-8	
Terphenyl-d14 (S)	93	%	44-169		1	12/10/13 12:00	12/10/13 16:54	1718-51-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**37.1**	mg/L	4.0	2.0	1		12/12/13 13:57	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**0.25J**	mg/L	0.25	0.055	1		12/10/13 16:02		

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1313 CAMP MARINA
Pace Project No.: 4089474

Sample: 120313002 **Lab ID: 4089474002** Collected: 12/03/13 08:31 Received: 12/04/13 15:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Methane	**<0.64**	ug/L	2.8	0.64	1		12/05/13 15:02	74-82-8	
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.34**	ug/L	1.0	0.34	1		12/05/13 19:33	71-43-2	
Ethylbenzene	**<0.34**	ug/L	1.0	0.34	1		12/05/13 19:33	100-41-4	
Toluene	**<0.34**	ug/L	1.0	0.34	1		12/05/13 19:33	108-88-3	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		12/05/13 19:33	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1		12/05/13 19:33	98-08-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.0045**	ug/L	0.047	0.0045	1	12/10/13 12:00	12/10/13 17:11	83-32-9	
Acenaphthylene	**0.0079J**	ug/L	0.047	0.0036	1	12/10/13 12:00	12/10/13 17:11	208-96-8	
Anthracene	**0.0082J**	ug/L	0.047	0.0057	1	12/10/13 12:00	12/10/13 17:11	120-12-7	
Benzo(a)anthracene	**0.0064J**	ug/L	0.047	0.0036	1	12/10/13 12:00	12/10/13 17:11	56-55-3	B
Benzo(a)pyrene	**0.0081J**	ug/L	0.047	0.0029	1	12/10/13 12:00	12/10/13 17:11	50-32-8	B
Benzo(b)fluoranthene	**0.0066J**	ug/L	0.047	0.0034	1	12/10/13 12:00	12/10/13 17:11	205-99-2	B
Benzo(g,h,i)perylene	**0.0062J**	ug/L	0.047	0.0048	1	12/10/13 12:00	12/10/13 17:11	191-24-2	B
Benzo(k)fluoranthene	**0.0070J**	ug/L	0.047	0.0044	1	12/10/13 12:00	12/10/13 17:11	207-08-9	B
Chrysene	**0.013J**	ug/L	0.047	0.0035	1	12/10/13 12:00	12/10/13 17:11	218-01-9	B
Dibenz(a,h)anthracene	**<0.0032**	ug/L	0.047	0.0032	1	12/10/13 12:00	12/10/13 17:11	53-70-3	
Fluoranthene	**0.011J**	ug/L	0.047	0.0044	1	12/10/13 12:00	12/10/13 17:11	206-44-0	B
Fluorene	**<0.0048**	ug/L	0.047	0.0048	1	12/10/13 12:00	12/10/13 17:11	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0047**	ug/L	0.047	0.0047	1	12/10/13 12:00	12/10/13 17:11	193-39-5	
1-Methylnaphthalene	**<0.0050**	ug/L	0.047	0.0050	1	12/10/13 12:00	12/10/13 17:11	90-12-0	
2-Methylnaphthalene	**<0.0039**	ug/L	0.047	0.0039	1	12/10/13 12:00	12/10/13 17:11	91-57-6	
Naphthalene	**0.010J**	ug/L	0.047	0.0048	1	12/10/13 12:00	12/10/13 17:11	91-20-3	B
Phenanthrene	**<0.0081**	ug/L	0.047	0.0081	1	12/10/13 12:00	12/10/13 17:11	85-01-8	
Pyrene	**0.014J**	ug/L	0.047	0.0047	1	12/10/13 12:00	12/10/13 17:11	129-00-0	B
Surrogates									
2-Fluorobiphenyl (S)	46	%	24-130		1	12/10/13 12:00	12/10/13 17:11	321-60-8	
Terphenyl-d14 (S)	89	%	44-169		1	12/10/13 12:00	12/10/13 17:11	1718-51-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**89.4**	mg/L	20.0	10.0	5		12/12/13 14:08	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**<0.055**	mg/L	0.25	0.055	1		12/10/13 16:03		

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1313 CAMP MARINA
Pace Project No.: 4089474

Sample: 120313003 **Lab ID: 4089474003** Collected: 12/03/13 08:36 Received: 12/04/13 15:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.34**	ug/L	1.0	0.34	1		12/05/13 19:59	71-43-2	
Ethylbenzene	**<0.34**	ug/L	1.0	0.34	1		12/05/13 19:59	100-41-4	
Toluene	**<0.34**	ug/L	1.0	0.34	1		12/05/13 19:59	108-88-3	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		12/05/13 19:59	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		12/05/13 19:59	98-08-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.0046**	ug/L	0.048	0.0046	1	12/10/13 12:00	12/10/13 17:29	83-32-9	
Acenaphthylene	**0.022J**	ug/L	0.048	0.0036	1	12/10/13 12:00	12/10/13 17:29	208-96-8	
Anthracene	**0.015J**	ug/L	0.048	0.0058	1	12/10/13 12:00	12/10/13 17:29	120-12-7	
Benzo(a)anthracene	**0.019J**	ug/L	0.048	0.0037	1	12/10/13 12:00	12/10/13 17:29	56-55-3	B
Benzo(a)pyrene	**0.024J**	ug/L	0.048	0.0029	1	12/10/13 12:00	12/10/13 17:29	50-32-8	B
Benzo(b)fluoranthene	**0.015J**	ug/L	0.048	0.0034	1	12/10/13 12:00	12/10/13 17:29	205-99-2	B
Benzo(g,h,i)perylene	**0.015J**	ug/L	0.048	0.0049	1	12/10/13 12:00	12/10/13 17:29	191-24-2	B
Benzo(k)fluoranthene	**0.021J**	ug/L	0.048	0.0044	1	12/10/13 12:00	12/10/13 17:29	207-08-9	B
Chrysene	**0.033J**	ug/L	0.048	0.0035	1	12/10/13 12:00	12/10/13 17:29	218-01-9	B
Dibenz(a,h)anthracene	**<0.0032**	ug/L	0.048	0.0032	1	12/10/13 12:00	12/10/13 17:29	53-70-3	
Fluoranthene	**0.037J**	ug/L	0.048	0.0044	1	12/10/13 12:00	12/10/13 17:29	206-44-0	B
Fluorene	**<0.0048**	ug/L	0.048	0.0048	1	12/10/13 12:00	12/10/13 17:29	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.010J**	ug/L	0.048	0.0047	1	12/10/13 12:00	12/10/13 17:29	193-39-5	B
1-Methylnaphthalene	**<0.0050**	ug/L	0.048	0.0050	1	12/10/13 12:00	12/10/13 17:29	90-12-0	
2-Methylnaphthalene	**0.0052J**	ug/L	0.048	0.0039	1	12/10/13 12:00	12/10/13 17:29	91-57-6	
Naphthalene	**0.012J**	ug/L	0.048	0.0049	1	12/10/13 12:00	12/10/13 17:29	91-20-3	B
Phenanthrene	**0.023J**	ug/L	0.048	0.0082	1	12/10/13 12:00	12/10/13 17:29	85-01-8	
Pyrene	**0.047J**	ug/L	0.048	0.0048	1	12/10/13 12:00	12/10/13 17:29	129-00-0	B
Surrogates									
2-Fluorobiphenyl (S)	44	%	24-130		1	12/10/13 12:00	12/10/13 17:29	321-60-8	
Terphenyl-d14 (S)	80	%	44-169		1	12/10/13 12:00	12/10/13 17:29	1718-51-0	

Sample: 120313004 **Lab ID: 4089474004** Collected: 12/03/13 09:29 Received: 12/04/13 15:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Methane	**<0.64**	ug/L	2.8	0.64	1		12/05/13 15:10	74-82-8	
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.34**	ug/L	1.0	0.34	1		12/05/13 20:24	71-43-2	
Ethylbenzene	**<0.34**	ug/L	1.0	0.34	1		12/05/13 20:24	100-41-4	
Toluene	**<0.34**	ug/L	1.0	0.34	1		12/05/13 20:24	108-88-3	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		12/05/13 20:24	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1		12/05/13 20:24	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1313 CAMP MARINA
Pace Project No.: 4089474

Sample: 120313004 **Lab ID: 4089474004** Collected: 12/03/13 09:29 Received: 12/04/13 15:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.083J**	ug/L	0.24	0.023	5	12/10/13 12:00	12/13/13 10:15	83-32-9	
Acenaphthylene	**0.11J**	ug/L	0.24	0.018	5	12/10/13 12:00	12/13/13 10:15	208-96-8	
Anthracene	**<0.029**	ug/L	0.24	0.029	5	12/10/13 12:00	12/13/13 10:15	120-12-7	
Benzo(a)anthracene	**0.031J**	ug/L	0.24	0.018	5	12/10/13 12:00	12/13/13 10:15	56-55-3	B
Benzo(a)pyrene	**0.034J**	ug/L	0.24	0.014	5	12/10/13 12:00	12/13/13 10:15	50-32-8	B
Benzo(b)fluoranthene	**0.023J**	ug/L	0.24	0.017	5	12/10/13 12:00	12/13/13 10:15	205-99-2	1q,B
Benzo(g,h,i)perylene	**<0.024**	ug/L	0.24	0.024	5	12/10/13 12:00	12/13/13 10:15	191-24-2	
Benzo(k)fluoranthene	**0.030J**	ug/L	0.24	0.022	5	12/10/13 12:00	12/13/13 10:15	207-08-9	1q,B
Chrysene	**0.039J**	ug/L	0.24	0.017	5	12/10/13 12:00	12/13/13 10:15	218-01-9	B
Dibenz(a,h)anthracene	**<0.016**	ug/L	0.24	0.016	5	12/10/13 12:00	12/13/13 10:15	53-70-3	
Fluoranthene	**0.039J**	ug/L	0.24	0.022	5	12/10/13 12:00	12/13/13 10:15	206-44-0	B
Fluorene	**0.030J**	ug/L	0.24	0.024	5	12/10/13 12:00	12/13/13 10:15	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.023**	ug/L	0.24	0.023	5	12/10/13 12:00	12/13/13 10:15	193-39-5	
1-Methylnaphthalene	**0.33**	ug/L	0.24	0.025	5	12/10/13 12:00	12/13/13 10:15	90-12-0	
2-Methylnaphthalene	**0.33**	ug/L	0.24	0.019	5	12/10/13 12:00	12/13/13 10:15	91-57-6	
Naphthalene	**2.6**	ug/L	0.24	0.024	5	12/10/13 12:00	12/13/13 10:15	91-20-3	
Phenanthrene	**<0.040**	ug/L	0.24	0.040	5	12/10/13 12:00	12/13/13 10:15	85-01-8	
Pyrene	**0.057J**	ug/L	0.24	0.024	5	12/10/13 12:00	12/13/13 10:15	129-00-0	B
Surrogates									
2-Fluorobiphenyl (S)	49	%	24-130		5	12/10/13 12:00	12/13/13 10:15	321-60-8	
Terphenyl-d14 (S)	64	%	44-169		5	12/10/13 12:00	12/13/13 10:15	1718-51-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**2.4J**	mg/L	4.0	2.0	1		12/12/13 14:20	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**<0.055**	mg/L	0.25	0.055	1		12/10/13 16:04		

Sample: 120313005 **Lab ID: 4089474005** Collected: 12/03/13 10:24 Received: 12/04/13 15:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Methane	**39.6**	ug/L	2.8	0.64	1		12/05/13 15:18	74-82-8	
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**5430**	ug/L	40.0	13.4	40		12/06/13 11:00	71-43-2	
Ethylbenzene	**583**	ug/L	40.0	13.6	40		12/06/13 11:00	100-41-4	
Toluene	**2510**	ug/L	40.0	13.8	40		12/06/13 11:00	108-88-3	
Xylene (Total)	**1110**	ug/L	120	41.2	40		12/06/13 11:00	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	97	%	80-120		40		12/06/13 11:00	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1313 CAMP MARINA
Pace Project No.: 4089474

Sample: 120313005 **Lab ID: 4089474005** Collected: 12/03/13 10:24 Received: 12/04/13 15:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<22.6**	ug/L	236	22.6	5000	12/10/13 12:00	12/10/13 18:38	83-32-9	
Acenaphthylene	**166J**	ug/L	236	18.0	5000	12/10/13 12:00	12/10/13 18:38	208-96-8	
Anthracene	**32.8J**	ug/L	236	28.7	5000	12/10/13 12:00	12/10/13 18:38	120-12-7	
Benzo(a)anthracene	**<18.1**	ug/L	236	18.1	5000	12/10/13 12:00	12/10/13 18:38	56-55-3	
Benzo(a)pyrene	**<14.3**	ug/L	236	14.3	5000	12/10/13 12:00	12/10/13 18:38	50-32-8	
Benzo(b)fluoranthene	**<17.0**	ug/L	236	17.0	5000	12/10/13 12:00	12/10/13 18:38	205-99-2	
Benzo(g,h,i)perylene	**<24.1**	ug/L	236	24.1	5000	12/10/13 12:00	12/10/13 18:38	191-24-2	
Benzo(k)fluoranthene	**<21.8**	ug/L	236	21.8	5000	12/10/13 12:00	12/10/13 18:38	207-08-9	
Chrysene	**<17.4**	ug/L	236	17.4	5000	12/10/13 12:00	12/10/13 18:38	218-01-9	
Dibenz(a,h)anthracene	**<16.0**	ug/L	236	16.0	5000	12/10/13 12:00	12/10/13 18:38	53-70-3	
Fluoranthene	**23.9J**	ug/L	236	22.0	5000	12/10/13 12:00	12/10/13 18:38	206-44-0	B
Fluorene	**67.6J**	ug/L	236	23.9	5000	12/10/13 12:00	12/10/13 18:38	86-73-7	
Indeno(1,2,3-cd)pyrene	**<23.4**	ug/L	236	23.4	5000	12/10/13 12:00	12/10/13 18:38	193-39-5	
1-Methylnaphthalene	**262**	ug/L	236	25.0	5000	12/10/13 12:00	12/10/13 18:38	90-12-0	
2-Methylnaphthalene	**314**	ug/L	236	19.3	5000	12/10/13 12:00	12/10/13 18:38	91-57-6	
Naphthalene	**1800**	ug/L	236	24.2	5000	12/10/13 12:00	12/10/13 18:38	91-20-3	
Phenanthrene	**103J**	ug/L	236	40.5	5000	12/10/13 12:00	12/10/13 18:38	85-01-8	
Pyrene	**30.1J**	ug/L	236	23.7	5000	12/10/13 12:00	12/10/13 18:38	129-00-0	B
Surrogates									
2-Fluorobiphenyl (S)	0	%	24-130		5000	12/10/13 12:00	12/10/13 18:38	321-60-8	S4
Terphenyl-d14 (S)	0	%	44-169		5000	12/10/13 12:00	12/10/13 18:38	1718-51-0	S4
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**137**	mg/L	40.0	20.0	10		12/12/13 14:32	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**0.25J**	mg/L	0.25	0.055	1		12/10/13 16:05		

Sample: 120313006 **Lab ID: 4089474006** Collected: 12/03/13 11:28 Received: 12/04/13 15:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Methane	**<0.64**	ug/L	2.8	0.64	1		12/05/13 15:34	74-82-8	
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**7.8**	ug/L	1.0	0.34	1		12/05/13 22:33	71-43-2	
Ethylbenzene	**0.40J**	ug/L	1.0	0.34	1		12/05/13 22:33	100-41-4	
Toluene	**2.9**	ug/L	1.0	0.34	1		12/05/13 22:33	108-88-3	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		12/05/13 22:33	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		12/05/13 22:33	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1313 CAMP MARINA
Pace Project No.: 4089474

Sample: 120313006 **Lab ID: 4089474006** Collected: 12/03/13 11:28 Received: 12/04/13 15:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.041J**	ug/L	0.19	0.018	4	12/10/13 12:00	12/13/13 10:32	83-32-9	
Acenaphthylene	**0.11J**	ug/L	0.19	0.014	4	12/10/13 12:00	12/13/13 10:32	208-96-8	
Anthracene	**0.023J**	ug/L	0.19	0.023	4	12/10/13 12:00	12/13/13 10:32	120-12-7	
Benzo(a)anthracene	**0.024J**	ug/L	0.19	0.014	4	12/10/13 12:00	12/13/13 10:32	56-55-3	B
Benzo(a)pyrene	**0.029J**	ug/L	0.19	0.011	4	12/10/13 12:00	12/13/13 10:32	50-32-8	B
Benzo(b)fluoranthene	**<0.014**	ug/L	0.19	0.014	4	12/10/13 12:00	12/13/13 10:32	205-99-2	1q
Benzo(g,h,i)perylene	**0.020J**	ug/L	0.19	0.019	4	12/10/13 12:00	12/13/13 10:32	191-24-2	B
Benzo(k)fluoranthene	**0.027J**	ug/L	0.19	0.017	4	12/10/13 12:00	12/13/13 10:32	207-08-9	1q,B
Chrysene	**0.038J**	ug/L	0.19	0.014	4	12/10/13 12:00	12/13/13 10:32	218-01-9	B
Dibenz(a,h)anthracene	**<0.013**	ug/L	0.19	0.013	4	12/10/13 12:00	12/13/13 10:32	53-70-3	
Fluoranthene	**0.041J**	ug/L	0.19	0.018	4	12/10/13 12:00	12/13/13 10:32	206-44-0	B
Fluorene	**0.028J**	ug/L	0.19	0.019	4	12/10/13 12:00	12/13/13 10:32	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.019**	ug/L	0.19	0.019	4	12/10/13 12:00	12/13/13 10:32	193-39-5	
1-Methylnaphthalene	**0.15J**	ug/L	0.19	0.020	4	12/10/13 12:00	12/13/13 10:32	90-12-0	
2-Methylnaphthalene	**0.13J**	ug/L	0.19	0.015	4	12/10/13 12:00	12/13/13 10:32	91-57-6	
Naphthalene	**1.2**	ug/L	0.19	0.019	4	12/10/13 12:00	12/13/13 10:32	91-20-3	
Phenanthrene	**0.050J**	ug/L	0.19	0.032	4	12/10/13 12:00	12/13/13 10:32	85-01-8	
Pyrene	**0.059J**	ug/L	0.19	0.019	4	12/10/13 12:00	12/13/13 10:32	129-00-0	B
Surrogates									
2-Fluorobiphenyl (S)	49	%	24-130		4	12/10/13 12:00	12/13/13 10:32	321-60-8	
Terphenyl-d14 (S)	62	%	44-169		4	12/10/13 12:00	12/13/13 10:32	1718-51-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**37.1**	mg/L	4.0	2.0	1		12/12/13 14:43	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**0.19J**	mg/L	0.25	0.055	1		12/10/13 16:08		

Sample: 120313007 **Lab ID: 4089474007** Collected: 12/03/13 12:36 Received: 12/04/13 15:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Methane	**12800**	ug/L	140	32.2	50		12/05/13 14:39	74-82-8	
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**1870**	ug/L	20.0	6.7	20		12/05/13 21:16	71-43-2	
Ethylbenzene	**1420**	ug/L	20.0	6.8	20		12/05/13 21:16	100-41-4	
Toluene	**30.0**	ug/L	20.0	6.9	20		12/05/13 21:16	108-88-3	
Xylene (Total)	**534**	ug/L	60.0	20.6	20		12/05/13 21:16	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%	80-120		20		12/05/13 21:16	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1313 CAMP MARINA
Pace Project No.: 4089474

Sample: 120313007 **Lab ID: 4089474007** Collected: 12/03/13 12:36 Received: 12/04/13 15:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**26.8J**	ug/L	47.2	4.5	1000	12/10/13 12:00	12/10/13 14:29	83-32-9	
Acenaphthylene	**<3.6**	ug/L	47.2	3.6	1000	12/10/13 12:00	12/10/13 14:29	208-96-8	
Anthracene	**<5.7**	ug/L	47.2	5.7	1000	12/10/13 12:00	12/10/13 14:29	120-12-7	
Benzo(a)anthracene	**<3.6**	ug/L	47.2	3.6	1000	12/10/13 12:00	12/10/13 14:29	56-55-3	
Benzo(a)pyrene	**<2.9**	ug/L	47.2	2.9	1000	12/10/13 12:00	12/10/13 14:29	50-32-8	
Benzo(b)fluoranthene	**<3.4**	ug/L	47.2	3.4	1000	12/10/13 12:00	12/10/13 14:29	205-99-2	
Benzo(g,h,i)perylene	**<4.8**	ug/L	47.2	4.8	1000	12/10/13 12:00	12/10/13 14:29	191-24-2	
Benzo(k)fluoranthene	**<4.4**	ug/L	47.2	4.4	1000	12/10/13 12:00	12/10/13 14:29	207-08-9	
Chrysene	**<3.5**	ug/L	47.2	3.5	1000	12/10/13 12:00	12/10/13 14:29	218-01-9	
Dibenz(a,h)anthracene	**<3.2**	ug/L	47.2	3.2	1000	12/10/13 12:00	12/10/13 14:29	53-70-3	
Fluoranthene	**<4.4**	ug/L	47.2	4.4	1000	12/10/13 12:00	12/10/13 14:29	206-44-0	
Fluorene	**10.2J**	ug/L	47.2	4.8	1000	12/10/13 12:00	12/10/13 14:29	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.7**	ug/L	47.2	4.7	1000	12/10/13 12:00	12/10/13 14:29	193-39-5	
1-Methylnaphthalene	**64.1**	ug/L	47.2	5.0	1000	12/10/13 12:00	12/10/13 14:29	90-12-0	
2-Methylnaphthalene	**7.3J**	ug/L	47.2	3.9	1000	12/10/13 12:00	12/10/13 14:29	91-57-6	
Naphthalene	**300**	ug/L	47.2	4.8	1000	12/10/13 12:00	12/10/13 14:29	91-20-3	
Phenanthrene	**10.9J**	ug/L	47.2	8.1	1000	12/10/13 12:00	12/10/13 14:29	85-01-8	
Pyrene	**<4.7**	ug/L	47.2	4.7	1000	12/10/13 12:00	12/10/13 14:29	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	0	%	24-130		1000	12/10/13 12:00	12/10/13 14:29	321-60-8	S4
Terphenyl-d14 (S)	0	%	44-169		1000	12/10/13 12:00	12/10/13 14:29	1718-51-0	S4
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**3.7J**	mg/L	4.0	2.0	1		12/12/13 15:18	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**0.060J**	mg/L	0.25	0.055	1		12/10/13 16:09		

Sample: 120313008 **Lab ID: 4089474008** Collected: 12/03/13 13:37 Received: 12/04/13 15:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Methane	**2480**	ug/L	56.0	12.9	20		12/05/13 14:47	74-82-8	
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**726**	ug/L	5.0	1.7	5		12/05/13 21:42	71-43-2	
Ethylbenzene	**277**	ug/L	5.0	1.7	5		12/05/13 21:42	100-41-4	
Toluene	**24.0**	ug/L	5.0	1.7	5		12/05/13 21:42	108-88-3	
Xylene (Total)	**270**	ug/L	15.0	5.1	5		12/05/13 21:42	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	97	%	80-120		5		12/05/13 21:42	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1313 CAMP MARINA
Pace Project No.: 4089474

Sample: 120313008 **Lab ID: 4089474008** Collected: 12/03/13 13:37 Received: 12/04/13 15:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**3.2J**	ug/L	4.7	0.45	100	12/10/13 12:00	12/10/13 13:55	83-32-9	
Acenaphthylene	**0.43J**	ug/L	4.7	0.36	100	12/10/13 12:00	12/10/13 13:55	208-96-8	
Anthracene	**<0.57**	ug/L	4.7	0.57	100	12/10/13 12:00	12/10/13 13:55	120-12-7	
Benzo(a)anthracene	**<0.36**	ug/L	4.7	0.36	100	12/10/13 12:00	12/10/13 13:55	56-55-3	
Benzo(a)pyrene	**<0.29**	ug/L	4.7	0.29	100	12/10/13 12:00	12/10/13 13:55	50-32-8	
Benzo(b)fluoranthene	**<0.34**	ug/L	4.7	0.34	100	12/10/13 12:00	12/10/13 13:55	205-99-2	
Benzo(g,h,i)perylene	**<0.48**	ug/L	4.7	0.48	100	12/10/13 12:00	12/10/13 13:55	191-24-2	
Benzo(k)fluoranthene	**<0.44**	ug/L	4.7	0.44	100	12/10/13 12:00	12/10/13 13:55	207-08-9	
Chrysene	**<0.35**	ug/L	4.7	0.35	100	12/10/13 12:00	12/10/13 13:55	218-01-9	
Dibenz(a,h)anthracene	**<0.32**	ug/L	4.7	0.32	100	12/10/13 12:00	12/10/13 13:55	53-70-3	
Fluoranthene	**<0.44**	ug/L	4.7	0.44	100	12/10/13 12:00	12/10/13 13:55	206-44-0	
Fluorene	**<0.48**	ug/L	4.7	0.48	100	12/10/13 12:00	12/10/13 13:55	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.47**	ug/L	4.7	0.47	100	12/10/13 12:00	12/10/13 13:55	193-39-5	
1-Methylnaphthalene	**4.8**	ug/L	4.7	0.50	100	12/10/13 12:00	12/10/13 13:55	90-12-0	
2-Methylnaphthalene	**3.8J**	ug/L	4.7	0.39	100	12/10/13 12:00	12/10/13 13:55	91-57-6	
Naphthalene	**22.8**	ug/L	4.7	0.48	100	12/10/13 12:00	12/10/13 13:55	91-20-3	
Phenanthrene	**<0.81**	ug/L	4.7	0.81	100	12/10/13 12:00	12/10/13 13:55	85-01-8	
Pyrene	**<0.47**	ug/L	4.7	0.47	100	12/10/13 12:00	12/10/13 13:55	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	0	%	24-130		100	12/10/13 12:00	12/10/13 13:55	321-60-8	S4
Terphenyl-d14 (S)	0	%	44-169		100	12/10/13 12:00	12/10/13 13:55	1718-51-0	S4
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**2.4J**	mg/L	4.0	2.0	1		12/12/13 15:29	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**<0.055**	mg/L	0.25	0.055	1		12/10/13 16:10		

Sample: 120313009 **Lab ID: 4089474009** Collected: 12/03/13 14:35 Received: 12/04/13 15:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Methane	**12700**	ug/L	140	32.2	50		12/05/13 14:55	74-82-8	
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**2550**	ug/L	20.0	6.7	20		12/05/13 22:07	71-43-2	
Ethylbenzene	**200**	ug/L	20.0	6.8	20		12/05/13 22:07	100-41-4	
Toluene	**12.4J**	ug/L	20.0	6.9	20		12/05/13 22:07	108-88-3	
Xylene (Total)	**139**	ug/L	60.0	20.6	20		12/05/13 22:07	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	97	%	80-120		20		12/05/13 22:07	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1313 CAMP MARINA
Pace Project No.: 4089474

Sample: 120313009 **Lab ID: 4089474009** Collected: 12/03/13 14:35 Received: 12/04/13 15:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**94.6**	ug/L	94.3	9.1	2000	12/10/13 12:00	12/10/13 18:21	83-32-9	
Acenaphthylene	**<7.2**	ug/L	94.3	7.2	2000	12/10/13 12:00	12/10/13 18:21	208-96-8	
Anthracene	**16.4J**	ug/L	94.3	11.5	2000	12/10/13 12:00	12/10/13 18:21	120-12-7	
Benzo(a)anthracene	**<7.2**	ug/L	94.3	7.2	2000	12/10/13 12:00	12/10/13 18:21	56-55-3	
Benzo(a)pyrene	**<5.7**	ug/L	94.3	5.7	2000	12/10/13 12:00	12/10/13 18:21	50-32-8	
Benzo(b)fluoranthene	**<6.8**	ug/L	94.3	6.8	2000	12/10/13 12:00	12/10/13 18:21	205-99-2	
Benzo(g,h,i)perylene	**<9.6**	ug/L	94.3	9.6	2000	12/10/13 12:00	12/10/13 18:21	191-24-2	
Benzo(k)fluoranthene	**<8.7**	ug/L	94.3	8.7	2000	12/10/13 12:00	12/10/13 18:21	207-08-9	
Chrysene	**<7.0**	ug/L	94.3	7.0	2000	12/10/13 12:00	12/10/13 18:21	218-01-9	
Dibenz(a,h)anthracene	**<6.4**	ug/L	94.3	6.4	2000	12/10/13 12:00	12/10/13 18:21	53-70-3	
Fluoranthene	**9.8J**	ug/L	94.3	8.8	2000	12/10/13 12:00	12/10/13 18:21	206-44-0	B
Fluorene	**25.2J**	ug/L	94.3	9.5	2000	12/10/13 12:00	12/10/13 18:21	86-73-7	
Indeno(1,2,3-cd)pyrene	**<9.4**	ug/L	94.3	9.4	2000	12/10/13 12:00	12/10/13 18:21	193-39-5	
1-Methylnaphthalene	**127**	ug/L	94.3	10.0	2000	12/10/13 12:00	12/10/13 18:21	90-12-0	
2-Methylnaphthalene	**109**	ug/L	94.3	7.7	2000	12/10/13 12:00	12/10/13 18:21	91-57-6	
Naphthalene	**731**	ug/L	94.3	9.7	2000	12/10/13 12:00	12/10/13 18:21	91-20-3	
Phenanthrene	**51.3J**	ug/L	94.3	16.2	2000	12/10/13 12:00	12/10/13 18:21	85-01-8	
Pyrene	**13.2J**	ug/L	94.3	9.5	2000	12/10/13 12:00	12/10/13 18:21	129-00-0	B
Surrogates									
2-Fluorobiphenyl (S)	0	%	24-130		2000	12/10/13 12:00	12/10/13 18:21	321-60-8	S4
Terphenyl-d14 (S)	0	%	44-169		2000	12/10/13 12:00	12/10/13 18:21	1718-51-0	S4
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**3.0J**	mg/L	4.0	2.0	1		12/12/13 15:41	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**<0.055**	mg/L	0.25	0.055	1		12/10/13 16:11		

Sample: 120313010 **Lab ID: 4089474010** Collected: 12/03/13 15:22 Received: 12/04/13 15:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**11.1**	ug/L	1.0	0.34	1		12/05/13 18:16	71-43-2	
Ethylbenzene	**3.9**	ug/L	1.0	0.34	1		12/05/13 18:16	100-41-4	
Toluene	**0.80J**	ug/L	1.0	0.34	1		12/05/13 18:16	108-88-3	
Xylene (Total)	**3.3**	ug/L	3.0	1.0	1		12/05/13 18:16	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		12/05/13 18:16	98-08-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.44**	ug/L	0.24	0.023	5	12/10/13 12:00	12/10/13 16:01	83-32-9	M1
Acenaphthylene	**0.051J**	ug/L	0.24	0.018	5	12/10/13 12:00	12/10/13 16:01	208-96-8	
Anthracene	**0.033J**	ug/L	0.24	0.029	5	12/10/13 12:00	12/10/13 16:01	120-12-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1313 CAMP MARINA
Pace Project No.: 4089474

Sample: 120313010 **Lab ID: 4089474010** Collected: 12/03/13 15:22 Received: 12/04/13 15:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Benzo(a)anthracene	**<0.018**	ug/L	0.24	0.018	5	12/10/13 12:00	12/10/13 16:01	56-55-3	
Benzo(a)pyrene	**<0.014**	ug/L	0.24	0.014	5	12/10/13 12:00	12/10/13 16:01	50-32-8	
Benzo(b)fluoranthene	**<0.017**	ug/L	0.24	0.017	5	12/10/13 12:00	12/10/13 16:01	205-99-2	
Benzo(g,h,i)perylene	**<0.024**	ug/L	0.24	0.024	5	12/10/13 12:00	12/10/13 16:01	191-24-2	
Benzo(k)fluoranthene	**<0.022**	ug/L	0.24	0.022	5	12/10/13 12:00	12/10/13 16:01	207-08-9	
Chrysene	**0.019J**	ug/L	0.24	0.017	5	12/10/13 12:00	12/10/13 16:01	218-01-9	B
Dibenz(a,h)anthracene	**<0.016**	ug/L	0.24	0.016	5	12/10/13 12:00	12/10/13 16:01	53-70-3	
Fluoranthene	**<0.022**	ug/L	0.24	0.022	5	12/10/13 12:00	12/10/13 16:01	206-44-0	
Fluorene	**0.093J**	ug/L	0.24	0.024	5	12/10/13 12:00	12/10/13 16:01	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.023**	ug/L	0.24	0.023	5	12/10/13 12:00	12/10/13 16:01	193-39-5	
1-Methylnaphthalene	**0.72**	ug/L	0.24	0.025	5	12/10/13 12:00	12/10/13 16:01	90-12-0	M1
2-Methylnaphthalene	**0.34**	ug/L	0.24	0.019	5	12/10/13 12:00	12/10/13 16:01	91-57-6	M1
Naphthalene	**2.5**	ug/L	0.24	0.024	5	12/10/13 12:00	12/10/13 16:01	91-20-3	M1,R1
Phenanthrene	**0.080J**	ug/L	0.24	0.040	5	12/10/13 12:00	12/10/13 16:01	85-01-8	
Pyrene	**0.025J**	ug/L	0.24	0.024	5	12/10/13 12:00	12/10/13 16:01	129-00-0	B
Surrogates									
2-Fluorobiphenyl (S)	49	%	24-130		5	12/10/13 12:00	12/10/13 16:01	321-60-8	
Terphenyl-d14 (S)	69	%	44-169		5	12/10/13 12:00	12/10/13 16:01	1718-51-0	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**262**	mg/L	80.0	40.0	20		12/12/13 15:52	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**0.29**	mg/L	0.25	0.055	1		12/10/13 16:12		M0

Sample: 120313011 **Lab ID: 4089474011** Collected: 12/03/13 00:00 Received: 12/04/13 15:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.34**	ug/L	1.0	0.34	1		12/05/13 16:59	71-43-2	
Ethylbenzene	**<0.34**	ug/L	1.0	0.34	1		12/05/13 16:59	100-41-4	
Toluene	**<0.34**	ug/L	1.0	0.34	1		12/05/13 16:59	108-88-3	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		12/05/13 16:59	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		12/05/13 16:59	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1313 CAMP MARINA
Pace Project No.: 4089474

QC Batch: GCV/11571 Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
Associated Lab Samples: 4089474001, 4089474002, 4089474004, 4089474005, 4089474006, 4089474007, 4089474008, 4089474009

METHOD BLANK: 906378 Matrix: Water
Associated Lab Samples: 4089474001, 4089474002, 4089474004, 4089474005, 4089474006, 4089474007, 4089474008, 4089474009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	<0.64	2.8	12/05/13 07:36	

LABORATORY CONTROL SAMPLE & LCSD: 906379 906380

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Methane	ug/L	28.6	27.3	27.4	95	96	77-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 906462 906463

Parameter	Units	4089430004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methane	ug/L	<0.64	28.6	28.6	26.2	20.3	92	71	63-129	25	20	R1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1313 CAMP MARINA
Pace Project No.: 4089474

QC Batch: GCV/11569 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 4089474001, 4089474002, 4089474003, 4089474004, 4089474005, 4089474006, 4089474007, 4089474008, 4089474009, 4089474010, 4089474011

METHOD BLANK: 906366 Matrix: Water
Associated Lab Samples: 4089474001, 4089474002, 4089474003, 4089474004, 4089474005, 4089474006, 4089474007, 4089474008, 4089474009, 4089474010, 4089474011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.34	1.0	12/05/13 11:50	
Ethylbenzene	ug/L	<0.34	1.0	12/05/13 11:50	
Toluene	ug/L	<0.34	1.0	12/05/13 11:50	
Xylene (Total)	ug/L	<1.0	3.0	12/05/13 11:50	
a,a,a-Trifluorotoluene (S)	%	103	80-120	12/05/13 11:50	

LABORATORY CONTROL SAMPLE & LCSD: 906367 906368

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/L	20	19.8	19.5	99	98	80-120	1	20	
Ethylbenzene	ug/L	20	19.9	19.7	99	98	80-120	1	20	
Toluene	ug/L	20	19.8	19.5	99	98	80-120	1	20	
Xylene (Total)	ug/L	60	59.2	58.7	99	98	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				102	102	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 906422 906423

Parameter	Units	4089474010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	11.1	20	20	33.2	32.9	110	109	49-165	1	20	
Ethylbenzene	ug/L	3.9	20	20	26.4	26.3	112	112	59-156	0	20	
Toluene	ug/L	0.80J	20	20	22.7	22.8	109	110	80-135	1	20	
Xylene (Total)	ug/L	3.3	60	60	69.3	69.4	110	110	48-165	0	20	
a,a,a-Trifluorotoluene (S)	%						101	101	80-120			

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1313 CAMP MARINA
Pace Project No.: 4089474

QC Batch: OEXT/20906 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by SIM MSSV
Associated Lab Samples: 4089474001, 4089474002, 4089474003, 4089474004, 4089474005, 4089474006, 4089474007, 4089474008, 4089474009, 4089474010

METHOD BLANK: 908856 Matrix: Water
Associated Lab Samples: 4089474001, 4089474002, 4089474003, 4089474004, 4089474005, 4089474006, 4089474007, 4089474008, 4089474009, 4089474010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0053	0.050	12/10/13 15:05	
2-Methylnaphthalene	ug/L	<0.0041	0.050	12/10/13 15:05	
Acenaphthene	ug/L	<0.0048	0.050	12/10/13 15:05	
Acenaphthylene	ug/L	<0.0038	0.050	12/10/13 15:05	
Anthracene	ug/L	<0.0061	0.050	12/10/13 15:05	
Benzo(a)anthracene	ug/L	0.012J	0.050	12/10/13 15:05	
Benzo(a)pyrene	ug/L	0.0071J	0.050	12/10/13 15:05	
Benzo(b)fluoranthene	ug/L	0.012J	0.050	12/10/13 15:05	
Benzo(g,h,i)perylene	ug/L	0.016J	0.050	12/10/13 15:05	
Benzo(k)fluoranthene	ug/L	0.020J	0.050	12/10/13 15:05	
Chrysene	ug/L	0.020J	0.050	12/10/13 15:05	
Dibenz(a,h)anthracene	ug/L	0.010J	0.050	12/10/13 15:05	
Fluoranthene	ug/L	0.015J	0.050	12/10/13 15:05	
Fluorene	ug/L	<0.0051	0.050	12/10/13 15:05	
Indeno(1,2,3-cd)pyrene	ug/L	0.015J	0.050	12/10/13 15:05	
Naphthalene	ug/L	0.0056J	0.050	12/10/13 15:05	
Phenanthrene	ug/L	<0.0086	0.050	12/10/13 15:05	
Pyrene	ug/L	0.015J	0.050	12/10/13 15:05	
2-Fluorobiphenyl (S)	%	55	24-130	12/10/13 15:05	
Terphenyl-d14 (S)	%	72	44-169	12/10/13 15:05	

LABORATORY CONTROL SAMPLE: 908857

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	.2	0.13	63	35-130	
2-Methylnaphthalene	ug/L	.2	0.12	62	32-130	
Acenaphthene	ug/L	.2	0.12	62	30-130	
Acenaphthylene	ug/L	.2	0.12	61	28-130	
Anthracene	ug/L	.2	0.13	66	22-130	
Benzo(a)anthracene	ug/L	.2	0.15	74	40-130	
Benzo(a)pyrene	ug/L	.2	0.19	97	51-130	
Benzo(b)fluoranthene	ug/L	.2	0.18	88	45-130	
Benzo(g,h,i)perylene	ug/L	.2	0.19	93	59-130	
Benzo(k)fluoranthene	ug/L	.2	0.20	101	60-130	
Chrysene	ug/L	.2	0.22	112	62-130	
Dibenz(a,h)anthracene	ug/L	.2	0.18	88	51-130	
Fluoranthene	ug/L	.2	0.13	67	43-130	
Fluorene	ug/L	.2	0.12	60	29-130	
Indeno(1,2,3-cd)pyrene	ug/L	.2	0.18	92	56-130	
Naphthalene	ug/L	.2	0.12	62	30-130	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1313 CAMP MARINA
Pace Project No.: 4089474

LABORATORY CONTROL SAMPLE: 908857

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/L	.2	0.12	59	29-130	
Pyrene	ug/L	.2	0.15	75	38-130	
2-Fluorobiphenyl (S)	%			61	24-130	
Terphenyl-d14 (S)	%			121	44-169	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 908858 908859

Parameter	Units	4089474010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/L	0.72	.19	.19	0.51	0.41	-112	-168	10-130	23	50	M1
2-Methylnaphthalene	ug/L	0.34	.19	.19	0.24	0.19J	-57	-83	10-130		50	M1
Acenaphthene	ug/L	0.44	.19	.19	0.37	0.32	-38	-63	10-130	14	50	M1
Acenaphthylene	ug/L	0.051J	.19	.19	0.12J	0.13J	38	42	10-130		50	
Anthracene	ug/L	0.033J	.19	.19	0.13J	0.12J	52	47	10-130		45	
Benzo(a)anthracene	ug/L	<0.018	.19	.19	0.11J	0.11J	54	55	22-130		21	
Benzo(a)pyrene	ug/L	<0.014	.19	.19	0.16J	0.16J	84	83	40-130		20	
Benzo(b)fluoranthene	ug/L	<0.017	.19	.19	0.12J	0.12J	65	66	23-130		23	
Benzo(g,h,i)perylene	ug/L	<0.024	.19	.19	0.15J	0.15J	78	81	30-130		21	
Benzo(k)fluoranthene	ug/L	<0.022	.19	.19	0.16J	0.16J	85	83	50-130		20	
Chrysene	ug/L	0.019J	.19	.19	0.23J	0.24	114	115	32-147		20	
Dibenz(a,h)anthracene	ug/L	<0.016	.19	.19	0.13J	0.13J	69	66	14-130		26	
Fluoranthene	ug/L	<0.022	.19	.19	0.13J	0.13J	57	60	37-130		30	
Fluorene	ug/L	0.093J	.19	.19	0.14J	0.14J	27	27	10-130		50	
Indeno(1,2,3-cd)pyrene	ug/L	<0.023	.19	.19	0.14J	0.14J	77	75	27-130		23	
Naphthalene	ug/L	2.5	.19	.19	0.81	0.48	-916	-1090	10-130	52	50	M1,R1
Phenanthrene	ug/L	0.080J	.19	.19	0.13J	0.14J	26	29	13-130		50	
Pyrene	ug/L	0.025J	.19	.19	0.15J	0.17J	67	76	34-130		32	
2-Fluorobiphenyl (S)	%						44	47	24-130			
Terphenyl-d14 (S)	%						65	57	44-169			

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1313 CAMP MARINA
Pace Project No.: 4089474

QC Batch: WETA/21116 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 4089474001, 4089474002, 4089474004, 4089474005, 4089474006, 4089474007, 4089474008, 4089474009, 4089474010

METHOD BLANK: 909976 Matrix: Water
Associated Lab Samples: 4089474001, 4089474002, 4089474004, 4089474005, 4089474006, 4089474007, 4089474008, 4089474009, 4089474010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<2.0	4.0	12/12/13 10:26	

LABORATORY CONTROL SAMPLE: 909977

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	19.6	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 909978 909979

Parameter	Units	4089450001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	96.5	100	100	196	197	100	100	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 909980 909981

Parameter	Units	4089474010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	262	400	400	650	653	97	98	90-110	0	20	

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1313 CAMP MARINA
Pace Project No.: 4089474

QC Batch: WETA/21071 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 4089474001, 4089474002, 4089474004, 4089474005, 4089474006, 4089474007, 4089474008, 4089474009, 4089474010

METHOD BLANK: 908773 Matrix: Water
Associated Lab Samples: 4089474001, 4089474002, 4089474004, 4089474005, 4089474006, 4089474007, 4089474008, 4089474009, 4089474010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.055	0.25	12/10/13 15:51	

LABORATORY CONTROL SAMPLE: 908774

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.7	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 908775 908776

Parameter	Units	4089414021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	<0.055	2.5	2.5	3.0	2.9	120	115	90-110	4	20	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 908777 908778

Parameter	Units	4089474010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.29	2.5	2.5	3.2	3.1	117	112	90-110	4	20	M0

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 1313 CAMP MARINA
Pace Project No.: 4089474

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1q	Benzo(b)fluoranthene and benzo(k)fluoranthene were in the check standard but did not meet the resolution criteria in SW846 Method 8270C. Whereas sample results included are reported as individual isomers, the lab and the customer must recognize them as an isomeric pair.
B	Analyte was detected in the associated method blank.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1313 CAMP MARINA
Pace Project No.: 4089474

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4089474001	120313001	EPA 8015B Modified	GCV/11571		
4089474002	120313002	EPA 8015B Modified	GCV/11571		
4089474004	120313004	EPA 8015B Modified	GCV/11571		
4089474005	120313005	EPA 8015B Modified	GCV/11571		
4089474006	120313006	EPA 8015B Modified	GCV/11571		
4089474007	120313007	EPA 8015B Modified	GCV/11571		
4089474008	120313008	EPA 8015B Modified	GCV/11571		
4089474009	120313009	EPA 8015B Modified	GCV/11571		
4089474001	120313001	WI MOD GRO	GCV/11569		
4089474002	120313002	WI MOD GRO	GCV/11569		
4089474003	120313003	WI MOD GRO	GCV/11569		
4089474004	120313004	WI MOD GRO	GCV/11569		
4089474005	120313005	WI MOD GRO	GCV/11569		
4089474006	120313006	WI MOD GRO	GCV/11569		
4089474007	120313007	WI MOD GRO	GCV/11569		
4089474008	120313008	WI MOD GRO	GCV/11569		
4089474009	120313009	WI MOD GRO	GCV/11569		
4089474010	120313010	WI MOD GRO	GCV/11569		
4089474011	120313011	WI MOD GRO	GCV/11569		
4089474001	120313001	EPA 3510	OEXT/20906	EPA 8270 by SIM	MSSV/6318
4089474002	120313002	EPA 3510	OEXT/20906	EPA 8270 by SIM	MSSV/6318
4089474003	120313003	EPA 3510	OEXT/20906	EPA 8270 by SIM	MSSV/6318
4089474004	120313004	EPA 3510	OEXT/20906	EPA 8270 by SIM	MSSV/6318
4089474005	120313005	EPA 3510	OEXT/20906	EPA 8270 by SIM	MSSV/6318
4089474006	120313006	EPA 3510	OEXT/20906	EPA 8270 by SIM	MSSV/6318
4089474007	120313007	EPA 3510	OEXT/20906	EPA 8270 by SIM	MSSV/6318
4089474008	120313008	EPA 3510	OEXT/20906	EPA 8270 by SIM	MSSV/6318
4089474009	120313009	EPA 3510	OEXT/20906	EPA 8270 by SIM	MSSV/6318
4089474010	120313010	EPA 3510	OEXT/20906	EPA 8270 by SIM	MSSV/6318
4089474001	120313001	EPA 300.0	WETA/21116		
4089474002	120313002	EPA 300.0	WETA/21116		
4089474004	120313004	EPA 300.0	WETA/21116		
4089474005	120313005	EPA 300.0	WETA/21116		
4089474006	120313006	EPA 300.0	WETA/21116		
4089474007	120313007	EPA 300.0	WETA/21116		
4089474008	120313008	EPA 300.0	WETA/21116		
4089474009	120313009	EPA 300.0	WETA/21116		
4089474010	120313010	EPA 300.0	WETA/21116		
4089474001	120313001	EPA 353.2	WETA/21071		
4089474002	120313002	EPA 353.2	WETA/21071		
4089474004	120313004	EPA 353.2	WETA/21071		
4089474005	120313005	EPA 353.2	WETA/21071		
4089474006	120313006	EPA 353.2	WETA/21071		
4089474007	120313007	EPA 353.2	WETA/21071		
4089474008	120313008	EPA 353.2	WETA/21071		
4089474009	120313009	EPA 353.2	WETA/21071		
4089474010	120313010	EPA 353.2	WETA/21071		

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1313 CAMP MARINA
Pace Project No.: 4089474

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Pace Analytical®
www.pacelabs.com

Level 2

CHAIN OF CUSTODY

CMP-01-13 MW 4089474

(Please Print Clearly)	
Company Name:	Natural Resource Tech
Branch/Location:	Milwaukee WI
Project Contact:	Sarah Barnswindt
Phone:	262-719-4508
Project Number:	1313
Project Name:	Camp Marina
Project State:	WI
Sampled By (Print):	Sarah Barnswindt
Sampled By (Sign):	SBarnswindt
PO #:	3400002393
Regulatory Program:	

Quote #:	3400002393
Mail To Contact:	JODY Barbeau
Mail To Company:	Natural Resource Tech
Mail To Address:	234 W Florida St Milwaukee WI
Invoice To Contact:	Accounts Payable
Invoice To Company:	IBS LLC
Invoice To Address:	PO BOX 19800 Green Bay WI
Invoice To Phone:	920-433-2929

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☒ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PAH 8270	Sulfate EPA 300	Nitrate & Nitrite, 353.2	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	120313001	12/3/13	752	GW	N	A	X	X	X	5-40mlVB	1-LagA	2-250mlpHC
002	120313002		801				X	X	X	6-40mlVB		
003	120313003		836				X			3-40mlVB		12-13-SW
004	120313004		929				X	X	X	6-40mlVB		2-250mlpHC
005	120313005		1024				X	X	X			
006	120313006		1128				X	X	X			
007	120313007		1236				X	X	X			

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
SBarnswindt	12/4/13 900 AM		
			12/4/13 1310
	12/4/13 1500	Derek Wylie	12-4-13 1500

PACE Project No.: 4089474

Receipt Temp = 1.0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal: Present / Not Present; Intact / Not Intact

C019a(27Jun2006)

Version 6.0 06/14/06

CUSTODY SEAL 1313003 & 1313004

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Pace Analytical®
www.pacelabs.com

CLP-02-13 4089474

CHAIN OF CUSTODY

(Please Print Clearly)	
Company Name:	Natural Resource Tech
Branch/Location:	Milwaukee WI
Project Contact:	Sarah Carswell
Phone:	262-719-4508
Project Number:	1313
Project Name:	Camp Marina
Project State:	WI
Sampled By (Print):	Sarah Carswell
Sampled By (Sign):	Sarah Carswell
PO #:	3400002393
Regulatory Program:	

Quote #:	3400002393
Mail To Contact:	JODY Barbeau
Mail To Company:	Natural Resource Tech
Mail To Address:	234 W. Florida St Milwaukee WI
Invoice To Contact:	Accounts Payable
Invoice To Company:	JBS LLC
Invoice To Address:	PO Box 19800 Green Bay WI
Invoice To Phone:	920-433-2929

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PAH 8270	Sulfate EPA 300	Nitrate Nitrite 353.2	BTEX	Methane	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
008	120313008 12/3	13	1337	GW	N	A	α	α	α	α	α	6-40mlVB, 1-1agA, 2-250mlpAC		
009	120313009	↓	1435	α	N	A	α	α	α	α	α	↓	↓	
010	120313010	↓	1522	α	N	A	α	α	α	α		9-40mlVBs/usp 3-1agA, 2-250mlpAC		
011	120313011	↓	—	LAB BLANK	N	A				α		1-40mlVB		
001	120313001		752	GW	N	A				X	X			
002	120313002		831		N	A				X	X			
003	120313003		836		N	A				X				
004	120313004		929		N	A				α	α			
005	120313005		1024		N	A				α	α			
006	120313006		1128		N	A				α	α			
007	120313007		1236	↓	N	A				α	α			
									9:09AM					

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
Sarah Carswell	12/4/2013		
	12/4/13 1500	Frank Wise Jr	12-4-13 1500

PACE Project No.

Receipt Temp = ROT °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

Custody Seal 1313001 & 1313002

ORIGINAL

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical™

Client Name: NRT

Project #: WO# : 4089474

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☑ Pace Other: _____

Tracking #: _____

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

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used N/A Type of Ice: (We) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ROI /Corr: Biological Tissue is Frozen: ☐ yes ☐ no

Temp Blank Present: ☐ yes ☒ no

Person examining contents:
Date: 12-4-13
Initials: SW

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

		Comments:
Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☒Yes ☐No ☐N/A	13. ☐ HNO3 ☒ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3 (H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☒Yes ☐No ☐N/A	
exceptions: (VOA), coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☒Yes ☐No	Initial when completed: SW / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes ☒No ☐N/A	14.
Trip Blank Present:	☒Yes ☐No ☐N/A	15.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased): Covered 12-4-13 SW		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 12-5-13

APPENDIX B

CAP INSPECTION LOG

FIELD NOTE SUMMARY

Project Number 1313
Project Name WPSC Campmarina, Sheboygan WI

Date June 11, 2013

Work Scope: Annual Containment System Condition Inspection

NRT Representatives: Sarah A. Ganswindt

Weather: Sunny, 60°F.

Equipment: NRT Heron 001, NRT Camera

Field Comments:

1. Monitoring Wells and Cleanouts: Surface covers for the monitoring wells cleanouts and biosparge wells that were visible and were intact, labeled with the corresponding well number and in good condition at the time of the site visit.

2. Biosparge System and Building: Biosparge building exterior and interior was in good condition.

3. Riverwalk Conditions: Cracking was noted in asphalt walkways; however, it appears that the cracks are historic and no new cracks appear to be present. During construction in 2012, various concrete walks and pads were replaced and are in good condition. No settling of the pads or walks was noted.

4. Cover Stability: The cover above the geosynthetic cap was repaired or replaced due to recent construction in 2012. Original areas (not disturbed) remained stable and have not shown any problems due to erosion or instability. There were no indications of sloughing or erosion. Steep slopes within the Center Avenue Right-of-Way showed no indication of instability.

5. Riverbank Stability: Riprap and concrete river walk along the riverbank appeared to be in good condition. It appears that new riprap has been installed and related to the construction in 2012 and appears in excellent condition. Historic and newly installed toe stones for the riprap showed no indications of erosion or damage.

6. Surface Water Drainage: No drainage was noted to the river from the exterior perimeter drainage system for the cover. Camp Marina was dry at the time of the site reconnaissance.

   Grass and planted vegetation: Due to recent construction, grass mats were in fair to good condition at the time of the site visit. Patchy areas were evident in some of these areas. Various plants which were installed (by others) appear to be either in good condition. Subsequent conversations with Ken R. Micha (NRT) indicated that a landscaping contractor had done additional repair work three weeks ago to replace damaged or stressed vegetation.

7. Interior and Exterior Drainage System Identification: The exterior drainage systems were previously identified and labeled. Cleanouts are numbered 1 through 8 and are identified by number and location. In addition, cleanout well covers have been labeled with a paint marker for identification purposes in the field.

- Cleanout 1: Northwest cleanout, along river, north side of observation deck and is situated in a concrete pedestal.
- Cleanout 2: Southwest cleanout, along river walk, situated in the river walk sidewalk.
- Cleanout 3: Cleanout nest, located on the southeast side of the site, cleanout 3 is closest to river on the hill.
- Cleanout 4: Cleanout nest, located on the southeast side of the site, cleanout 4 is closer to 10th Street, on the hill.
- Cleanout 5: Cleanout nest, located on the northeast side of the site, cleanout 5 is situated in upper deck of steps above the basketball court.
- Cleanout 6: Cleanout nest, located on the northeast side of the site, cleanout 6 is situated in upper deck of steps above the basketball court (closer cleanout to river).
- Cleanout 7: Cleanout nest, located on the northeast side of the site, cleanout 7 is situated southwest of MW-705.
- Cleanout 8: Cleanout nest, located on the northeast side of the site, cleanout 8 is situated southwest of MW-705 (closer cleanout to river).

- Cleanout 1: Dry, no visual sediment in bottom.
- Cleanout 2: Dry, no visual sediment in bottom.
- Cleanout 3: Dry, no visual sediment in bottom.
- Cleanout 4: Dry, no visual sediment in bottom.
- Cleanout 5: Dry, no visual sediment in bottom.
- Cleanout 6: Dry, no visual sediment in bottom.
- Cleanout 7: Well cap inside pvc obstructed view to bottom.
- Cleanout 8: Dry, no sediment in bottom.

8. Interior and Exterior Drainage Conditions: The exterior drainage system appeared to be in good condition.

9. Summary Conditions:
The site appeared in good to fair condition. No significant surface erosion is evident. Park structures are also in good condition with slight stress cracks observed in the bases of the on-site lamps and or concrete wall. No settling of the historic cover was evident. Riprap along the river appeared to be in good condition and does not appear to have migrated from the banks into the river. Vegetation is present within the rip rap and consists of low growing grasses and/or wild flowers.

Additional Observations:
A contractor was present and appeared to be dredging and broad spreading sand following the dredging. A sheen was also present; however it did not appear to be typical MGP residual. The sheen appeared to be lighter, and did not have the same "iridescent" characteristics.

SIGNATURE: Sarah A. Ganswindt DATE: June 11, 2013