



1 North Commerce Park Dr.  
Suite 130  
Cincinnati, OH 45215-3187

T (513) 898-9430

[www.sme-usa.com](http://www.sme-usa.com)

September 9, 2021

Mr. David Franc, PG  
United States Environmental Protection Agency (USEPA)  
Region 5  
Mail Code: SR-6J  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3507

Via E-mail: [Franc.David@epa.gov](mailto:Franc.David@epa.gov)

RE: SME Serial Letter #73  
2021 Groundwater Monitoring Report  
Sheboygan River and Harbor Site  
Tecumseh Products Site  
Sheboygan Falls, Wisconsin  
SME Project No. 069638.00.064

Dear Mr. Franc:

Pursuant to the Long-Term Monitoring and Operation Plan Upper River – Phase I<sup>1</sup> (LTMOP), SME is providing the groundwater analytical results for the 2021 monitoring event. Six groundwater monitoring wells (MW9, MW10, MW12, MW13, MW16, and MW17) are located on the Site and down-gradient of the groundwater monitoring/interceptor trench (GMIT). A map of the monitoring well locations is included in Attachment 1. The wells have been sampled annually following completion of the source removal activities in accordance with the LTMOP. The objective of the monitoring of these wells is to assess polychlorinated biphenyl (PCB) concentration trends in groundwater on the site and to evaluate if it is necessary to operate the GMIT<sup>2</sup> to prevent PCB-impacted groundwater from migrating to the Sheboygan River.

SME conducted the sampling on May 25, 2021, and in accordance with the Field Sampling Plan submitted and approved as part of the Phase I Design. The groundwater purging and stabilization was conducted using with low flow sampling protocol, and purging was conducted until field measurements for specific conductance, dissolved oxygen, turbidity, oxygen reduction potential (ORP), and pH had stabilized. Following purging and stabilization, a groundwater sample for analysis of PCBs was collected from each well. Samples were collected in pre-cleaned, laboratory-provided containers and were transported to Pace Analytical laboratory of Green Bay for analysis.

A summary of the 2021 results compared to the historical data is provided in Table 1. We compared the groundwater results to the USEPA Maximum Contaminant Level (MCL) and the Wisconsin NR140 groundwater criteria. A copy of the laboratory report is provided in Attachment 2.

<sup>1</sup> *Long-Term Monitoring and Operations Plan, Upper River – Phase 1*, PRS and URS, May 2004.

<sup>2</sup> *Remedial Design Work Plan, Upper River – Phase I and II*, PRS and URS, June 2004.

PCBs were detected in one sample (MW13, 0.54 µg/L) in excess of the Limit of Quantitation (0.15 µg/L). PCBs were also estimated to be present in one additional sample (MW16) when compared to the lower Limit of Detection (0.044 µg/L)<sup>3</sup>. PCBs were detected in these two monitoring wells in the past three years (2019-2021). The concentration of PCBs in MW13 in 2021 was higher than 2019 and 2020; however, the concentration of PCBs in MW13 remains significantly lower than the concentrations of PCBs from 2009 to 2015. The average PCB concentration from the previous 5 years (2017-2021, 0.44 µg/L) was also significantly less than the 5 years prior (2012-2016, 0.75 µg/L) or 10 years prior (2010-2016, 1.087 µg/L). We also analyzed the PCB concentration trend using the Kendall-Mann test with the USEPA software ProUCL. The Mann-Kendall test indicated there was statistically significant evidence of a decreasing trend of the concentrations of PCBs in MW13. The results indicate an overall decreasing trend in PCB concentrations does not indicate the need to operate the GMIT.

In the past we have concluded that based on the historical data and modeling, as long as the building dewatering pad/foundation slab remains acting as an engineering control to prevent infiltration, the river should not be impacted by the groundwater. However, the Phase II investigation of the Tecumseh facility in 2016 and 2018 demonstrated there were high levels of exposed PCBs in soil outside of the footprint of dewatering pad/foundation slab. The concentrations in soil ranged from 0.03 to 15,200 mg/kg with an average of 965 mg/kg. The presence of this exposed impact and the limited groundwater impact implies the leaching to groundwater is an incomplete preferential pathway.

The *Long-Term Monitoring and Operations Plan, Upper River – Phase 1*, states the groundwater shall be sampled for PCB concentrations on a semi-annual basis for a period of five years following completion of source removal activities. At the direction of the USEPA, semi-annual occurred for eight years after completion of source removal and annually since 2013. During this time, the concentrations of PCBs in groundwater have generally continued to decline to below the MCL and in most wells, laboratory level of detection. Based on the short-term increases, we will continue to complete annual groundwater sampling until PCB concentrations in MW13 have decreased for two consecutive years.

If you have questions regarding the sampling event, feel free to contact Keith Egan at (513) 319-8919 or [keith.egan@sme-usa.com](mailto:keith.egan@sme-usa.com).

Respectfully,

**SME**

Megan Schaner  
Senior Staff Geologist

Keith Egan, CP  
Chief Consultant

Attachments: Table 1 – Groundwater Analytical Results  
Figure 1 – Groundwater Features Diagram  
Laboratory Analytical Report

Distribution: Mr. Tom Wentland, Wisconsin Department of Natural Resources via e-mail  
([Thomas.wentland@wisconsin.gov](mailto:Thomas.wentland@wisconsin.gov))  
Ms. Debbie McMillan, PRS via e-mail ([dmcmillan@grhdevelopment.com](mailto:dmcmillan@grhdevelopment.com))  
Mr. Peter Johnson, Johnson-Wright via e-mail ([pjohnson@johnsonwright.net](mailto:pjohnson@johnsonwright.net))  
Mr. Jason Smith, Tecumseh Products Company, LLC via e-mail  
([Jason.smith@tecumseh.com](mailto:Jason.smith@tecumseh.com))

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<sup>3</sup> The data was qualified as estimated.

**TABLE 1**  
**GROUNDWATER ANALYTICAL RESULTS**



**TABLE 1**  
**FORMER TECUMSEH SITE**  
**CLEVELAND STREET, SHEBOYGAN FALLS, WISCONSIN**  
**GROUNDWATER ANALYTICAL RESULTS**  
**SME Project No. 069638.00.064**

SAMPLE DATE	Wisconsin DNR NR 140 Criteria	USEPA Maximum Contaminant Level (MCL)	11/17/2004	5/27/2005	12/13/2005	7/10/2006	11/20/2006	5/31/2007	10/23/2007	5/14/2008	10/15/2008
WELL ID											
MW9	0.03	0.5	0.47	0.47	0.49	0.49	0.48	0.49	0.47	0.49	0.24
MW10			0.47	0.48	0.50	NC	1.1	0.49	<b>0.98</b>	<b>0.72</b>	<b>0.5</b>
MW12			1.5	0.47	0.50	0.47	<b>0.57</b>	<b>0.46</b>	<b>0.44</b>	<b>0.83</b>	0.23
MW13			1.5	0.48	0.48	2.1	1.1	<b>0.82</b>	1.5	1.6	1.9
MW16			0.49	0.48	0.50	0.47	0.49	<b>0.4</b>	0.47	0.49	0.24
MW17			0.48	0.48	0.48	0.46	0.48	0.51	0.47	0.5	0.24

SAMPLE DATE	Wisconsin DNR NR 140 Criteria	USEPA Maximum Contaminant Level (MCL)	5/14/2009	10/22/2009	5/14/2010	10/29/2010	6/29/2011	11/29/2011	6/28/2012	11/7/2012	6/4/2013
WELL ID											
MW9	0.03	0.5	0.24	0.23	0.29	0.29	0.29	0.31	0.29	0.31	0.25
MW10			0.44	<b>0.47</b>	<b>0.39</b>	<b>0.85</b>	<b>0.44</b>	<b>0.67</b>	<b>0.38</b>	<b>0.57</b>	<b>0.55</b>
MW12			0.49	0.23	<b>0.33</b>	<b>0.88</b>	<b>0.34</b>	0.31	<b>0.8</b>	0.31	0.25
MW13			1.6	1.0	2.0	1.1	1.7	1.5	<b>0.82</b>	<b>0.54</b>	<b>0.44</b>
MW16			0.23	0.23	0.29	0.29	0.29	0.31	0.29	0.31	0.27
MW17			0.23	0.23	0.30	0.29	0.29	0.31	0.29	0.31	0.26

SAMPLE DATE	Wisconsin DNR NR 140 Criteria	USEPA Maximum Contaminant Level (MCL)	6/19/2014	6/11/2015	7/13/2016	8/30/2017	5/10/2018	6/4/2019	6/9/2020	5/25/2021
WELL ID										
MW9	0.03	0.5	0.25	0.24	0.25	0.26	0.26	0.11	0.045	0.044
MW10			<b>0.57</b>	<b>0.44</b>	<b>0.61</b>	<b>0.65</b>	0.26	0.11	0.045	0.044
MW12			<b>0.33</b>	<b>0.30</b>	<b>0.52</b>	<b>0.59</b>	0.25	0.11	0.044	0.044
MW13			<b>0.91</b>	1.2	<b>0.66</b>	<b>0.65</b>	<b>0.35</b>	<b>0.26</b>	<b>0.42</b>	<b>0.54</b>
MW16			0.25	0.24	0.25	0.26	0.27	<b>0.16</b>	<b>0.097</b>	<b>0.14</b>
MW17			<b>0.27</b>	0.24	0.26	0.26	0.26	<b>0.13</b>	0.045	0.044

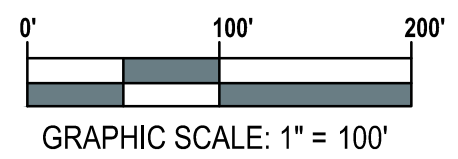
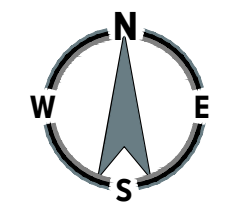
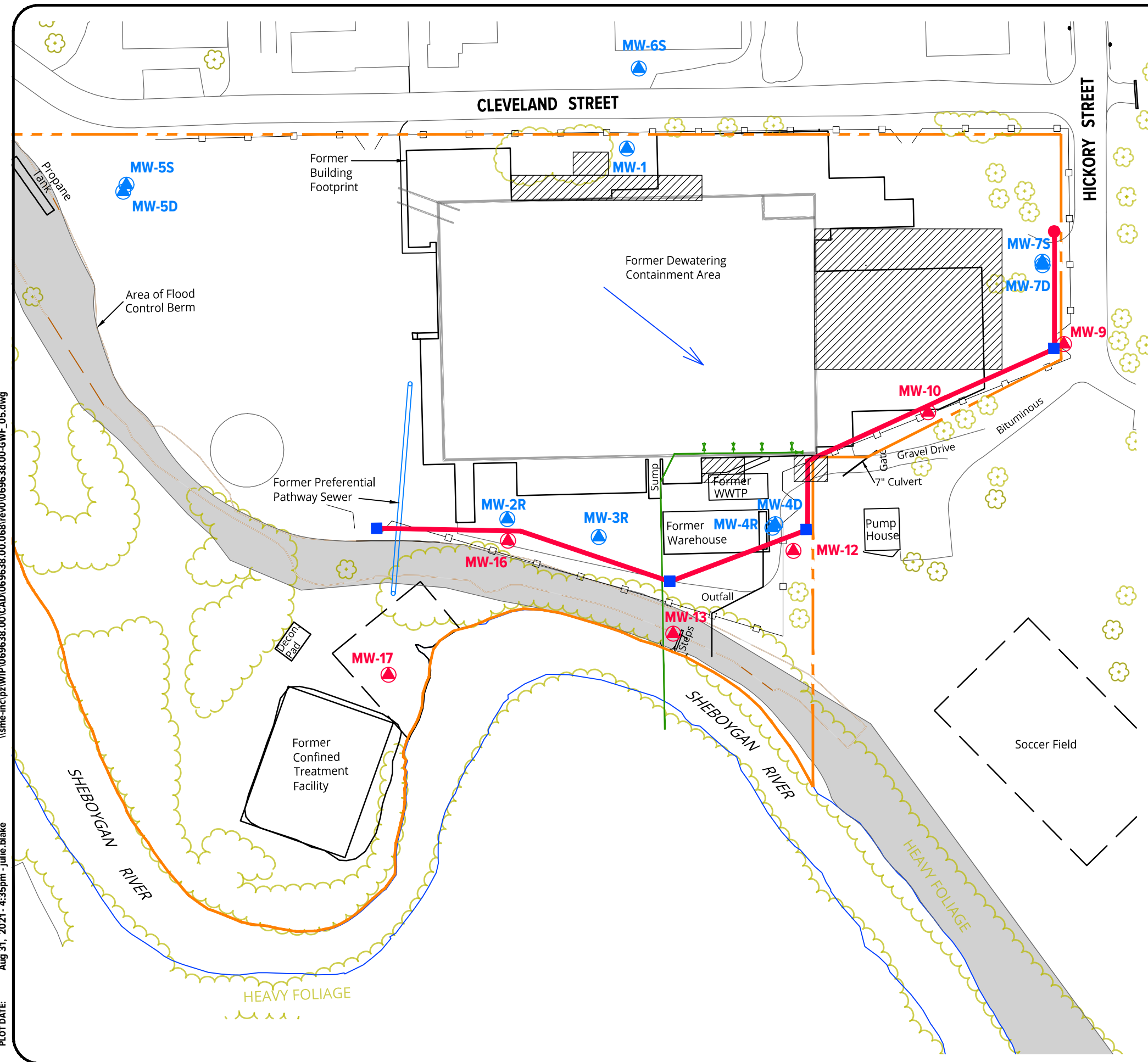
SAMPLE DATE	Wisconsin DNR NR 140 Criteria	USEPA Maximum Contaminant Level (MCL)	MEAN	MAXIMUM
WELL ID				
MW9	0.03	0.5	ND	ND
MW10			0.51	1.10
MW12			0.45	1.50
MW13			1.05	2.10
MW16			ND	0.50
MW17			ND	0.51

**NOTES:**

- (1) PCB concentrations reported in µg/L (parts per billion or ppb) unless otherwise noted.
- (2) Grey shading - PCBs were not detected above the Limit of Detection (LOD).
- (3) Italicized numbers are estimated because the concentration was less than Limit of Quantitation (LOQ).
- (4) NA - Not available. NC - Not Collected.
- (5) PCB results shown from the 6/9/2020 and 5/25/2021 were the highest aroclor LOD or sum of the detections.

**ATTACHMENT 1**  
**FIGURE 1 – GROUNDWATER FEATURES DIAGRAM**

PLOT DATE: Aug 31, 2021 - 4:35pm - julie.blake  
 \\sme-inc\p2\WIP\069638.00\CAD\069638.00.068\rev\069638.00-GWF\_05.dwg



**LEGEND**

- APPROXIMATE SITE BOUNDARY
- EXISTING FENCE
- \* EXISTING TREE AND/OR BRUSH
- GROUNDWATER MONITORING/ INTERCEPTOR TRENCH (AS BUILT)
- FLOOD CONTROL BERM
- DEWATERING PAD
- FORMER DREDGE SLURRY PIPE
- SUMP W/PUMP
- CLEAN OUT/MONITORING POINT
- MONITORING WELLS
- ▲ DOWNGRADE MONITORING WELLS
- ➔ HISTORIC GROUNDWATER FLOW DIRECTION
- EXPOSED SOIL IMPACTED WITH PCBs

- NOTES:**
1. BASE DRAWING INFORMATION TAKEN FROM GOOGLE EARTH PRO WITH IMAGE DATE 6-1-2015 AND STORMWATER POLLUTION PREVENTION PLAN, BY PETRO ENVIRONMENTAL, LLC, DATED SEPTEMBER 2004.
  2. MW-9, MW-10, MW-12, MW-13, MW-16, AND MW-17 DOWN GRADIENT WELLS INCLUDED IN THE SEMI ANNUAL GROUNDWATER MONITORING.



**Project**  
**SHEBOYGAN RIVER SUPERFUND SITE**

**Project Location**  
**FORMER TECUMSEH SITE SHEBOYGAN FALLS, WISCONSIN**

**Sheet Name**  
**TECUMSEH FALLS PROPERTY GROUNDWATER FEATURES**

No.	Revision Date

**Date** **8-31-2021**

**CADD** **JAB**

**Designer** **KE/AJL**

**Scale** **AS NOTED**

**Project** **069638.00.064**

**Figure No.**  
**1**

DRAWING NOTE: SCALE DEPICTED IS MEANT FOR 11" X 17" AND WILL SCALE INCORRECTLY IF PRINTED ON ANY OTHER SIZE MEDIA  
 NO REPRODUCTION SHALL BE MADE WITHOUT THE PRIOR CONSENT OF SME  
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**ATTACHMENT 2**  
**LABORATORY ANALYTICAL REPORT**

June 09, 2021

Keith Egan  
Pollution Risk Services LLC  
One North Commerce Park  
Suite 318  
Cincinnati, OH 452153174

RE: Project: 069638.00.064 SHEBOYGAN RIVER  
Pace Project No.: 40227555

Dear Keith Egan:

Enclosed are the analytical results for sample(s) received by the laboratory on May 26, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

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

Sincerely,



Tod Noltemeyer  
tod.noltemeyer@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: Aaron Lammers, SME  
Megan Schaner, SME



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 069638.00.064 SHEBOYGAN RIVER  
Pace Project No.: 40227555

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### **Pace Analytical Services, LLC - Minneapolis MN**

1700 Elm Street SE, Minneapolis, MN 55414  
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab

A2LA Certification #: 2926.01\*  
Alabama Certification #: 40770  
Alaska Contaminated Sites Certification #: 17-009\*  
Alaska DW Certification #: MN00064  
Arizona Certification #: AZ0014\*  
Arkansas DW Certification #: MN00064  
Arkansas WW Certification #: 88-0680  
California Certification #: 2929  
Colorado Certification #: MN00064  
Connecticut Certification #: PH-0256  
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137  
Florida Certification #: E87605\*  
Georgia Certification #: 959  
Hawaii Certification #: MN00064  
Idaho Certification #: MN00064  
Illinois Certification #: 200011  
Indiana Certification #: C-MN-01  
Iowa Certification #: 368  
Kansas Certification #: E-10167  
Kentucky DW Certification #: 90062  
Kentucky WW Certification #: 90062  
Louisiana DEQ Certification #: AI-03086\*  
Louisiana DW Certification #: MN00064  
Maine Certification #: MN00064\*  
Maryland Certification #: 322  
Michigan Certification #: 9909  
Minnesota Certification #: 027-053-137\*  
Minnesota Dept of Ag Approval: via MN 027-053-137  
Minnesota Petrofund Registration #: 1240\*  
Mississippi Certification #: MN00064

Missouri Certification #: 10100  
Montana Certification #: CERT0092  
Nebraska Certification #: NE-OS-18-06  
Nevada Certification #: MN00064  
New Hampshire Certification #: 2081\*  
New Jersey Certification #: MN002  
New York Certification #: 11647\*  
North Carolina DW Certification #: 27700  
North Carolina WW Certification #: 530  
North Dakota Certification #: R-036  
Ohio DW Certification #: 41244  
Ohio VAP Certification (1700) #: CL101  
Ohio VAP Certification (1800) #: CL110\*  
Oklahoma Certification #: 9507\*  
Oregon Primary Certification #: MN300001  
Oregon Secondary Certification #: MN200001\*  
Pennsylvania Certification #: 68-00563\*  
Puerto Rico Certification #: MN00064  
South Carolina Certification #:74003001  
Tennessee Certification #: TN02818  
Texas Certification #: T104704192\*  
Utah Certification #: MN00064\*  
Vermont Certification #: VT-027053137  
Virginia Certification #: 460163\*  
Washington Certification #: C486\*  
West Virginia DEP Certification #: 382  
West Virginia DW Certification #: 9952 C  
Wisconsin Certification #: 999407970  
Wyoming UST Certification #: via A2LA 2926.01  
USDA Permit #: P330-19-00208  
\*Please Note: Applicable air certifications are denoted with an asterisk (\*).

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 069638.00.064 SHEBOYGAN RIVER  
Pace Project No.: 40227555

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40227555001	MW9	Water	05/25/21 08:50	05/26/21 13:15
40227555002	MW10	Water	05/25/21 11:30	05/26/21 13:15
40227555003	MW12	Water	05/25/21 10:08	05/26/21 13:15
40227555004	MW13	Water	05/25/21 13:40	05/26/21 13:15
40227555005	MW16	Water	05/25/21 14:20	05/26/21 13:15
40227555006	MW17	Water	05/25/21 15:30	05/26/21 13:15
40227555007	DUPLICATE GW	Water	05/25/21 00:00	05/26/21 13:15
40227555008	EQUIPMENT BLANK	Water	05/25/21 15:50	05/26/21 13:15

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### SAMPLE ANALYTE COUNT

Project: 069638.00.064 SHEBOYGAN RIVER

Pace Project No.: 40227555

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40227555001	MW9	EPA 8082	RAG	11	PASI-M
40227555002	MW10	EPA 8082	RAG	11	PASI-M
40227555003	MW12	EPA 8082	RAG	11	PASI-M
40227555004	MW13	EPA 8082	RAG	11	PASI-M
40227555005	MW16	EPA 8082	RAG	11	PASI-M
40227555006	MW17	EPA 8082	RAG	11	PASI-M
40227555007	DUPLICATE GW	EPA 8082	RAG	11	PASI-M
40227555008	EQUIPMENT BLANK	EPA 8082	RAG	11	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

### REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 069638.00.064 SHEBOYGAN RIVER  
Pace Project No.: 40227555

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**Method:** EPA 8082  
**Description:** 8082 GCS PCB  
**Client:** SME  
**Date:** June 09, 2021

### General Information:

8 samples were analyzed for EPA 8082 by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Sample Preparation:

The samples were prepared in accordance with EPA Mod. 3510C with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: 745362

S0: Surrogate recovery outside laboratory control limits.

- BLANK (Lab ID: 3975590)
  - Tetrachloro-m-xylene (S)
- LCS (Lab ID: 3975591)
  - Tetrachloro-m-xylene (S)

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 069638.00.064 SHEBOYGAN RIVER  
Pace Project No.: 40227555

**Sample: MW9**      **Lab ID: 4022755001**      Collected: 05/25/21 08:50      Received: 05/26/21 13:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB</b>									
Analytical Method: EPA 8082 Preparation Method: EPA Mod. 3510C									
Pace Analytical Services - Minneapolis									
PCB-1016 (Aroclor 1016)	<0.040	ug/L	0.13	0.040	1	05/28/21 14:47	06/04/21 09:06	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.041	ug/L	0.14	0.041	1	05/28/21 14:47	06/04/21 09:06	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.035	ug/L	0.12	0.035	1	05/28/21 14:47	06/04/21 09:06	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.036	ug/L	0.12	0.036	1	05/28/21 14:47	06/04/21 09:06	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.039	ug/L	0.13	0.039	1	05/28/21 14:47	06/04/21 09:06	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.041	ug/L	0.14	0.041	1	05/28/21 14:47	06/04/21 09:06	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.034	ug/L	0.11	0.034	1	05/28/21 14:47	06/04/21 09:06	11096-82-5	
PCB-1262 (Aroclor 1262)	<0.035	ug/L	0.12	0.035	1	05/28/21 14:47	06/04/21 09:06	37324-23-5	
PCB-1268 (Aroclor 1268)	<0.044	ug/L	0.15	0.044	1	05/28/21 14:47	06/04/21 09:06	11100-14-4	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	51	%	49-125		1	05/28/21 14:47	06/04/21 09:06	877-09-8	
Decachlorobiphenyl (S)	75	%	52-125		1	05/28/21 14:47	06/04/21 09:06	2051-24-3	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 069638.00.064 SHEBOYGAN RIVER  
Pace Project No.: 40227555

**Sample: MW10**      **Lab ID: 4022755002**      Collected: 05/25/21 11:30      Received: 05/26/21 13:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB</b>									
Analytical Method: EPA 8082 Preparation Method: EPA Mod. 3510C									
Pace Analytical Services - Minneapolis									
PCB-1016 (Aroclor 1016)	<0.040	ug/L	0.13	0.040	1	05/28/21 14:47	06/04/21 09:54	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.042	ug/L	0.14	0.042	1	05/28/21 14:47	06/04/21 09:54	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.035	ug/L	0.12	0.035	1	05/28/21 14:47	06/04/21 09:54	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.036	ug/L	0.12	0.036	1	05/28/21 14:47	06/04/21 09:54	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.039	ug/L	0.13	0.039	1	05/28/21 14:47	06/04/21 09:54	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.041	ug/L	0.14	0.041	1	05/28/21 14:47	06/04/21 09:54	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.034	ug/L	0.11	0.034	1	05/28/21 14:47	06/04/21 09:54	11096-82-5	
PCB-1262 (Aroclor 1262)	<0.035	ug/L	0.12	0.035	1	05/28/21 14:47	06/04/21 09:54	37324-23-5	
PCB-1268 (Aroclor 1268)	<0.044	ug/L	0.15	0.044	1	05/28/21 14:47	06/04/21 09:54	11100-14-4	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	67	%	49-125		1	05/28/21 14:47	06/04/21 09:54	877-09-8	
Decachlorobiphenyl (S)	82	%	52-125		1	05/28/21 14:47	06/04/21 09:54	2051-24-3	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 069638.00.064 SHEBOYGAN RIVER  
Pace Project No.: 40227555

**Sample: MW12**      **Lab ID: 4022755003**      Collected: 05/25/21 10:08      Received: 05/26/21 13:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB</b>									
Analytical Method: EPA 8082 Preparation Method: EPA Mod. 3510C									
Pace Analytical Services - Minneapolis									
PCB-1016 (Aroclor 1016)	<0.040	ug/L	0.13	0.040	1	05/28/21 14:47	06/04/21 10:10	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.042	ug/L	0.14	0.042	1	05/28/21 14:47	06/04/21 10:10	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.035	ug/L	0.12	0.035	1	05/28/21 14:47	06/04/21 10:10	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.036	ug/L	0.12	0.036	1	05/28/21 14:47	06/04/21 10:10	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.039	ug/L	0.13	0.039	1	05/28/21 14:47	06/04/21 10:10	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.041	ug/L	0.14	0.041	1	05/28/21 14:47	06/04/21 10:10	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.034	ug/L	0.11	0.034	1	05/28/21 14:47	06/04/21 10:10	11096-82-5	
PCB-1262 (Aroclor 1262)	<0.035	ug/L	0.12	0.035	1	05/28/21 14:47	06/04/21 10:10	37324-23-5	
PCB-1268 (Aroclor 1268)	<0.044	ug/L	0.15	0.044	1	05/28/21 14:47	06/04/21 10:10	11100-14-4	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	60	%	49-125		1	05/28/21 14:47	06/04/21 10:10	877-09-8	
Decachlorobiphenyl (S)	73	%	52-125		1	05/28/21 14:47	06/04/21 10:10	2051-24-3	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 069638.00.064 SHEBOYGAN RIVER  
Pace Project No.: 40227555

**Sample: MW13**      **Lab ID: 4022755004**      Collected: 05/25/21 13:40      Received: 05/26/21 13:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB</b>									
Analytical Method: EPA 8082 Preparation Method: EPA Mod. 3510C									
Pace Analytical Services - Minneapolis									
PCB-1016 (Aroclor 1016)	<0.040	ug/L	0.13	0.040	1	05/28/21 14:47	06/09/21 13:13	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.041	ug/L	0.14	0.041	1	05/28/21 14:47	06/09/21 13:13	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.035	ug/L	0.12	0.035	1	05/28/21 14:47	06/09/21 13:13	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.036	ug/L	0.12	0.036	1	05/28/21 14:47	06/09/21 13:13	53469-21-9	
PCB-1248 (Aroclor 1248)	0.54	ug/L	0.13	0.039	1	05/28/21 14:47	06/09/21 13:13	12672-29-6	
PCB-1254 (Aroclor 1254)	0.10J	ug/L	0.14	0.041	1	05/28/21 14:47	06/09/21 13:13	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.034	ug/L	0.11	0.034	1	05/28/21 14:47	06/09/21 13:13	11096-82-5	
PCB-1262 (Aroclor 1262)	<0.035	ug/L	0.12	0.035	1	05/28/21 14:47	06/09/21 13:13	37324-23-5	
PCB-1268 (Aroclor 1268)	<0.044	ug/L	0.15	0.044	1	05/28/21 14:47	06/09/21 13:13	11100-14-4	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	80	%	49-125		1	05/28/21 14:47	06/09/21 13:13	877-09-8	
Decachlorobiphenyl (S)	84	%	52-125		1	05/28/21 14:47	06/09/21 13:13	2051-24-3	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 069638.00.064 SHEBOYGAN RIVER  
Pace Project No.: 40227555

**Sample: MW16**      **Lab ID: 4022755005**      Collected: 05/25/21 14:20      Received: 05/26/21 13:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB</b>									
Analytical Method: EPA 8082 Preparation Method: EPA Mod. 3510C									
Pace Analytical Services - Minneapolis									
PCB-1016 (Aroclor 1016)	<0.040	ug/L	0.13	0.040	1	05/28/21 14:47	06/09/21 13:28	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.041	ug/L	0.14	0.041	1	05/28/21 14:47	06/09/21 13:28	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.035	ug/L	0.12	0.035	1	05/28/21 14:47	06/09/21 13:28	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.036	ug/L	0.12	0.036	1	05/28/21 14:47	06/09/21 13:28	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.039	ug/L	0.13	0.039	1	05/28/21 14:47	06/09/21 13:28	12672-29-6	
PCB-1254 (Aroclor 1254)	0.14	ug/L	0.14	0.041	1	05/28/21 14:47	06/09/21 13:28	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.034	ug/L	0.11	0.034	1	05/28/21 14:47	06/09/21 13:28	11096-82-5	
PCB-1262 (Aroclor 1262)	<0.035	ug/L	0.12	0.035	1	05/28/21 14:47	06/09/21 13:28	37324-23-5	
PCB-1268 (Aroclor 1268)	<0.044	ug/L	0.15	0.044	1	05/28/21 14:47	06/09/21 13:28	11100-14-4	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	93	%	49-125		1	05/28/21 14:47	06/09/21 13:28	877-09-8	
Decachlorobiphenyl (S)	118	%	52-125		1	05/28/21 14:47	06/09/21 13:28	2051-24-3	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 069638.00.064 SHEBOYGAN RIVER  
Pace Project No.: 40227555

**Sample: MW17**      **Lab ID: 4022755006**      Collected: 05/25/21 15:30      Received: 05/26/21 13:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB</b>									
Analytical Method: EPA 8082 Preparation Method: EPA Mod. 3510C									
Pace Analytical Services - Minneapolis									
PCB-1016 (Aroclor 1016)	<0.040	ug/L	0.13	0.040	1	05/28/21 14:47	06/04/21 10:57	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.041	ug/L	0.14	0.041	1	05/28/21 14:47	06/04/21 10:57	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.035	ug/L	0.12	0.035	1	05/28/21 14:47	06/04/21 10:57	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.036	ug/L	0.12	0.036	1	05/28/21 14:47	06/04/21 10:57	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.039	ug/L	0.13	0.039	1	05/28/21 14:47	06/04/21 10:57	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.041	ug/L	0.14	0.041	1	05/28/21 14:47	06/04/21 10:57	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.034	ug/L	0.11	0.034	1	05/28/21 14:47	06/04/21 10:57	11096-82-5	
PCB-1262 (Aroclor 1262)	<0.035	ug/L	0.12	0.035	1	05/28/21 14:47	06/04/21 10:57	37324-23-5	
PCB-1268 (Aroclor 1268)	<0.044	ug/L	0.15	0.044	1	05/28/21 14:47	06/04/21 10:57	11100-14-4	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	49	%	49-125		1	05/28/21 14:47	06/04/21 10:57	877-09-8	
Decachlorobiphenyl (S)	67	%	52-125		1	05/28/21 14:47	06/04/21 10:57	2051-24-3	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 069638.00.064 SHEBOYGAN RIVER

Pace Project No.: 40227555

**Sample: DUPLICATE GW**      **Lab ID: 4022755007**      Collected: 05/25/21 00:00      Received: 05/26/21 13:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB</b>									
Analytical Method: EPA 8082 Preparation Method: EPA Mod. 3510C									
Pace Analytical Services - Minneapolis									
PCB-1016 (Aroclor 1016)	<0.040	ug/L	0.13	0.040	1	05/28/21 14:47	06/04/21 11:13	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.041	ug/L	0.14	0.041	1	05/28/21 14:47	06/04/21 11:13	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.035	ug/L	0.12	0.035	1	05/28/21 14:47	06/04/21 11:13	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.036	ug/L	0.12	0.036	1	05/28/21 14:47	06/04/21 11:13	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.039	ug/L	0.13	0.039	1	05/28/21 14:47	06/04/21 11:13	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.041	ug/L	0.14	0.041	1	05/28/21 14:47	06/04/21 11:13	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.034	ug/L	0.11	0.034	1	05/28/21 14:47	06/04/21 11:13	11096-82-5	
PCB-1262 (Aroclor 1262)	<0.035	ug/L	0.12	0.035	1	05/28/21 14:47	06/04/21 11:13	37324-23-5	
PCB-1268 (Aroclor 1268)	<0.044	ug/L	0.15	0.044	1	05/28/21 14:47	06/04/21 11:13	11100-14-4	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	66	%	49-125		1	05/28/21 14:47	06/04/21 11:13	877-09-8	
Decachlorobiphenyl (S)	80	%	52-125		1	05/28/21 14:47	06/04/21 11:13	2051-24-3	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 069638.00.064 SHEBOYGAN RIVER

Pace Project No.: 40227555

**Sample: EQUIPMENT BLANK**      **Lab ID: 4022755008**      Collected: 05/25/21 15:50      Received: 05/26/21 13:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB</b>									
Analytical Method: EPA 8082 Preparation Method: EPA Mod. 3510C									
Pace Analytical Services - Minneapolis									
PCB-1016 (Aroclor 1016)	<0.040	ug/L	0.13	0.040	1	05/28/21 14:47	06/04/21 11:29	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.041	ug/L	0.14	0.041	1	05/28/21 14:47	06/04/21 11:29	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.035	ug/L	0.12	0.035	1	05/28/21 14:47	06/04/21 11:29	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.036	ug/L	0.12	0.036	1	05/28/21 14:47	06/04/21 11:29	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.039	ug/L	0.13	0.039	1	05/28/21 14:47	06/04/21 11:29	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.041	ug/L	0.14	0.041	1	05/28/21 14:47	06/04/21 11:29	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.034	ug/L	0.11	0.034	1	05/28/21 14:47	06/04/21 11:29	11096-82-5	
PCB-1262 (Aroclor 1262)	<0.035	ug/L	0.12	0.035	1	05/28/21 14:47	06/04/21 11:29	37324-23-5	
PCB-1268 (Aroclor 1268)	<0.044	ug/L	0.15	0.044	1	05/28/21 14:47	06/04/21 11:29	11100-14-4	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	56	%	49-125		1	05/28/21 14:47	06/04/21 11:29	877-09-8	
Decachlorobiphenyl (S)	80	%	52-125		1	05/28/21 14:47	06/04/21 11:29	2051-24-3	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 069638.00.064 SHEBOYGAN RIVER  
Pace Project No.: 40227555

QC Batch: 745362 Analysis Method: EPA 8082  
QC Batch Method: EPA Mod. 3510C Analysis Description: 8082 GCS PCB  
Laboratory: Pace Analytical Services - Minneapolis  
Associated Lab Samples: 40227555001, 40227555002, 40227555003, 40227555004, 40227555005, 40227555006, 40227555007, 40227555008

METHOD BLANK: 3975590 Matrix: Water  
Associated Lab Samples: 40227555001, 40227555002, 40227555003, 40227555004, 40227555005, 40227555006, 40227555007, 40227555008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.042	0.14	06/04/21 08:35	
PCB-1221 (Aroclor 1221)	ug/L	<0.043	0.14	06/04/21 08:35	
PCB-1232 (Aroclor 1232)	ug/L	<0.036	0.12	06/04/21 08:35	
PCB-1242 (Aroclor 1242)	ug/L	<0.038	0.12	06/04/21 08:35	
PCB-1248 (Aroclor 1248)	ug/L	<0.040	0.13	06/04/21 08:35	
PCB-1254 (Aroclor 1254)	ug/L	<0.042	0.14	06/04/21 08:35	
PCB-1260 (Aroclor 1260)	ug/L	<0.036	0.12	06/04/21 08:35	
PCB-1262 (Aroclor 1262)	ug/L	<0.036	0.12	06/04/21 08:35	
PCB-1268 (Aroclor 1268)	ug/L	<0.046	0.15	06/04/21 08:35	
Decachlorobiphenyl (S)	%	101	52-125	06/04/21 08:35	
Tetrachloro-m-xylene (S)	%	40	49-125	06/04/21 08:35	S0

LABORATORY CONTROL SAMPLE: 3975591

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	2	1.3	66	39-125	
PCB-1260 (Aroclor 1260)	ug/L	2	1.7	85	48-125	
Decachlorobiphenyl (S)	%			103	52-125	
Tetrachloro-m-xylene (S)	%			48	49-125	S0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3975592 3975593

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40227555001 Result	Spike Conc.	Spike Conc.	Result								
PCB-1016 (Aroclor 1016)	ug/L	<0.040	1.9	1.9	1.3	1.5	70	79	30-125	12	30		
PCB-1260 (Aroclor 1260)	ug/L	<0.034	1.9	1.9	1.3	1.5	69	76	43-125	10	30		
Decachlorobiphenyl (S)	%						62	67	52-125				
Tetrachloro-m-xylene (S)	%						61	66	49-125				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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## QUALIFIERS

Project: 069638.00.064 SHEBOYGAN RIVER

Pace Project No.: 40227555

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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 at or above the adjusted LOD.

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

S0 Surrogate recovery outside laboratory control limits.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 069638.00.064 SHEBOYGAN RIVER  
Pace Project No.: 40227555

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40227555001	MW9	EPA Mod. 3510C	745362	EPA 8082	745957
40227555002	MW10	EPA Mod. 3510C	745362	EPA 8082	745957
40227555003	MW12	EPA Mod. 3510C	745362	EPA 8082	745957
40227555004	MW13	EPA Mod. 3510C	745362	EPA 8082	745957
40227555005	MW16	EPA Mod. 3510C	745362	EPA 8082	745957
40227555006	MW17	EPA Mod. 3510C	745362	EPA 8082	745957
40227555007	DUPLICATE GW	EPA Mod. 3510C	745362	EPA 8082	745957
40227555008	EQUIPMENT BLANK	EPA Mod. 3510C	745362	EPA 8082	745957

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40227555

ALL SHADED AREAS are for LAB USE ONLY

Company: SME

Billing Information: SME

Address: 852 40th Street SE, Grand Rapids, MI 49508

Email To: Keith Egan, Megan Schaner, Aaron Lammers

Report To:

Site Collection Info/Address: Sheboygan River Harbor Superfund Site

Copy To:

State: / County/City: Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET

Customer Project Name/Number: 069638.00.064

Compliance Monitoring? [ ] Yes [ ] No

Phone:

Site/Facility ID #:

DW PWS ID #: DW Location Code:

Collected By (print):

Purchase Order #: Quote #:

Immediately Packed on Ice: [X] Yes [ ] No

Collected By (signature):

Turnaround Date Required: Standard

Field Filtered (if applicable): [ ] Yes [ ] No

Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive [ ] Hold

Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)

Analysis:

Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
MW9	GW		5/25/21	0850			1	X
MW10	GW		5/25/21	1130			1	X
MW12	GW		5/25/21	1008			1	X
MW13	GW		5/25/21	1340			1	X
MW16	GW		5/25/21	1420			2	X
MW17	GW		5/25/21	1530			2	X
DUPLICATE GW	GW		5/25/21	-			1	X
MS (MW9)	GW		5/25/21	0850			1	X
MSD (MW9)	GW		5/25/21	0850			1	X
EQUIPMENT BLANK	DW WATER		5/25/21	1550			2	X

Container Preservative Type **	Lab Project Manager:
U	

Container Preservative Type \*\*

Lab Project Manager:

Analyses

Lab Profile/Line:
Lab Sample Receipt Checklist:
Custody Seals Present/Intact Y N NA
Custody Signatures Present Y N NA
Collector Signature Present Y N NA
Bottles Intact Y N NA
Correct Bottles Y N NA
Sufficient Volume Y N NA
Samples Received on Ice Y N NA
VOA - Headspace Acceptable Y N NA
USDA Regulated Soils Y N NA
Samples in Holding Time Y N NA
Residual Chlorine Present Y N NA
Cl Strips: _____
Sample pH Acceptable Y N NA
pH Strips: _____
Sulfide Present Y N NA
Lead Acetate Strips: _____

LAB USE ONLY: Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards: \* Samples to be analyzed at Minneapolis lab.

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: \_\_\_\_\_

Cooler 1 Temp Upon Receipt: \_\_\_\_\_ °C

Cooler 1 Therm Corr. Factor: \_\_\_\_\_ °C

Cooler 1 Corrected Temp: \_\_\_\_\_ °C

Comments:

Relinquished by/Company: (Signature) Megan Schaner (SME)

Date/Time: 5/26/21 1152

Received by/Company: (Signature) Sue Kipp Pace

Date/Time: 5/26/21 1152

MTJL LAB USE ONLY

Relinquished by/Company: (Signature) Sue Kipp Pace

Date/Time: 5/26/21 1315

Received by/Company: (Signature) Susan Kipp Pace

Date/Time: 5/26/21 1315

Table #: \_\_\_\_\_

Acctnum: \_\_\_\_\_

Template: \_\_\_\_\_

Prelogin: \_\_\_\_\_

PM: \_\_\_\_\_

Trip Blank Received: Y N NA

HCL MeOH TSP Other Page 17 of 19

Non Conformance(s): \_\_\_\_\_

Page: \_\_\_\_\_



# Sample Preservation Receipt Form

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

Client Name: SME

Project # 4027555

All containers needing preservation have been checked and noted below:  Yes  No  N/A

Initial when completed:

Date/Time:


Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass							Plastic					Vials					Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)				
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T								ZPLC	GN		
001	3																																		2.5 / 5 / 10
002	1																																		2.5 / 5 / 10
003	1																																		2.5 / 5 / 10
004	1																																		2.5 / 5 / 10
005	2																																		2.5 / 5 / 10
006	2																																		2.5 / 5 / 10
007	1																																		2.5 / 5 / 10
008	2																																		2.5 / 5 / 10
009																																			2.5 / 5 / 10
010																																			2.5 / 5 / 10
011																																			2.5 / 5 / 10
012																																			2.5 / 5 / 10
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018																																			2.5 / 5 / 10
019																																			2.5 / 5 / 10
020																																			2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: \_\_\_\_\_ Headspace in VOA Vials (>6mm) :  Yes  No  N/A \*If yes look in headspace column


AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9A	40 mL clear ascorbic	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG5U	100 mL amber glass unpres			VG9D	40 mL clear vial DI	ZPLC	ziploc bag
AG2S	500 mL amber glass H2SO4					GN	
BG3U	250 mL clear glass unpres						

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: <b>Sample Condition Upon Receipt (SCUR)</b>	Document Revised: 26Mar2020
	Document No.: <b>ENV-FRM-GBAY-0014-Rev.00</b>	Author: Pace Green Bay Quality Office

**Sample Condition Upon Receipt Form (SCUR)**

**Client Name:** SME      Project #: \_\_\_\_\_  
**Courier:**  CS Logistics  Fed Ex  Speedee  UPS  Walto  
 Client  Pace Other: \_\_\_\_\_

**WO# : 40227555**



40227555

**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** SR - 104    **Type of Ice:**  Wet  Blue  Dry  None     Samples on ice, cooling process has begun  
**Cooler Temperature**    Uncorr: 5    ICorr: 5  
**Temp Blank Present:**  yes  no    **Biological Tissue is Frozen:**  yes  no

Person examining contents:	
Date: <u>5/26/21</u>	Initials: <u>SRK</u>
Labeled By Initials: <u>SRK</u>	

Temp should be above freezing to 6°C.  
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>Filter, Pg #, proj. state</u> <u>5/26/21</u> <u>SRK</u> <u>5/26/21</u> <u>SRK</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler <u>Name &amp; Signature</u> on COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
<b>Short Hold Time Analysis (&lt;72hr):</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
<b>Rush Turn Around Time Requested:</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No    MS/MSD: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
- Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
- Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
- Includes date/time/ID/Analysis    Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir