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Hilliard, OH 43026

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November 14, 2022

Mr. Kelly Joseph
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

RE: SME Serial Letter #66
2022 Groundwater Monitoring Report
Sheboygan River and Harbor Site
Tecumseh Products Site
Sheboygan Falls, Wisconsin
SME Project No. 069638.00.064

Dear Mr. Kelly:

Pursuant to the Long-Term Monitoring and Operation Plan Upper River – Phase I¹ (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 GMIT² 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 2022 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.

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

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

PCBs were detected in five wells in excess of the Limit of Quantitation ($\approx 0.04 \mu\text{g/L}$). As in the past, PCBs were detected in two monitoring in excess of the Maximum Contaminant Level (MCL). The concentration of PCBs in MW13 in 2022 was higher than the last three years; 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, $0.44 \mu\text{g/L}$) was also significantly less than the 5 years prior (2012-2016, $0.75 \mu\text{g/L}$) or 10 years prior (2010-2016, $1.087 \mu\text{g/L}$).

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, 2018, and 2021 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 over 15,000 mg/kg with a mean of 470 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.

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

Respectfully,

SME

Keith Egan, CP
Chief Consultant

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

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

TABLE 1
GROUNDWATER ANALYTICAL RESULTS



TABLE 1
FORMER TECUMSEH SITE
CLEVELAND STREET, SHEBOYGAN FALLS, WISCONSIN
GROUNDWATER ANALYTICAL RESULTS
SME Project No. 069638.00.073

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	0.98	0.72	0.5
MW12			1.5	0.47	0.50	0.47	0.57	0.46	0.44	0.83	0.23
MW13			1.5	0.48	0.48	2.1	1.1	0.82	1.5	1.6	1.9
MW16			0.49	0.48	0.50	0.47	0.49	0.4	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	0.47	0.39	0.85	0.44	0.67	0.38	0.57	0.55
MW12			0.49	0.23	0.33	0.88	0.34	0.31	0.8	0.31	0.25
MW13			1.6	1.0	2.0	1.1	1.7	1.5	0.82	0.54	0.44
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	8/9/2022
WELL ID											
MW9	0.03	0.5	0.25	0.24	0.25	0.26	0.26	0.11	0.045	0.044	0.048
MW10			0.57	0.44	0.61	0.65	0.26	0.11	0.045	0.044	0.63
MW12			0.33	0.30	0.52	0.59	0.25	0.11	0.044	0.044	0.35
MW13			0.91	1.2	0.66	0.65	0.35	0.26	0.42	0.54	1.1
MW16			0.25	0.24	0.25	0.26	0.27	0.16	0.097	0.14	0.42
MW17			0.27	0.24	0.26	0.26	0.26	0.13	0.045	0.044	0.41

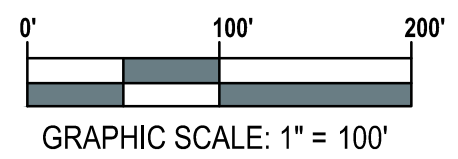
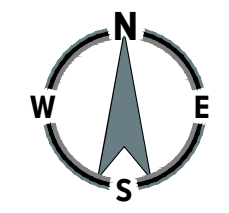
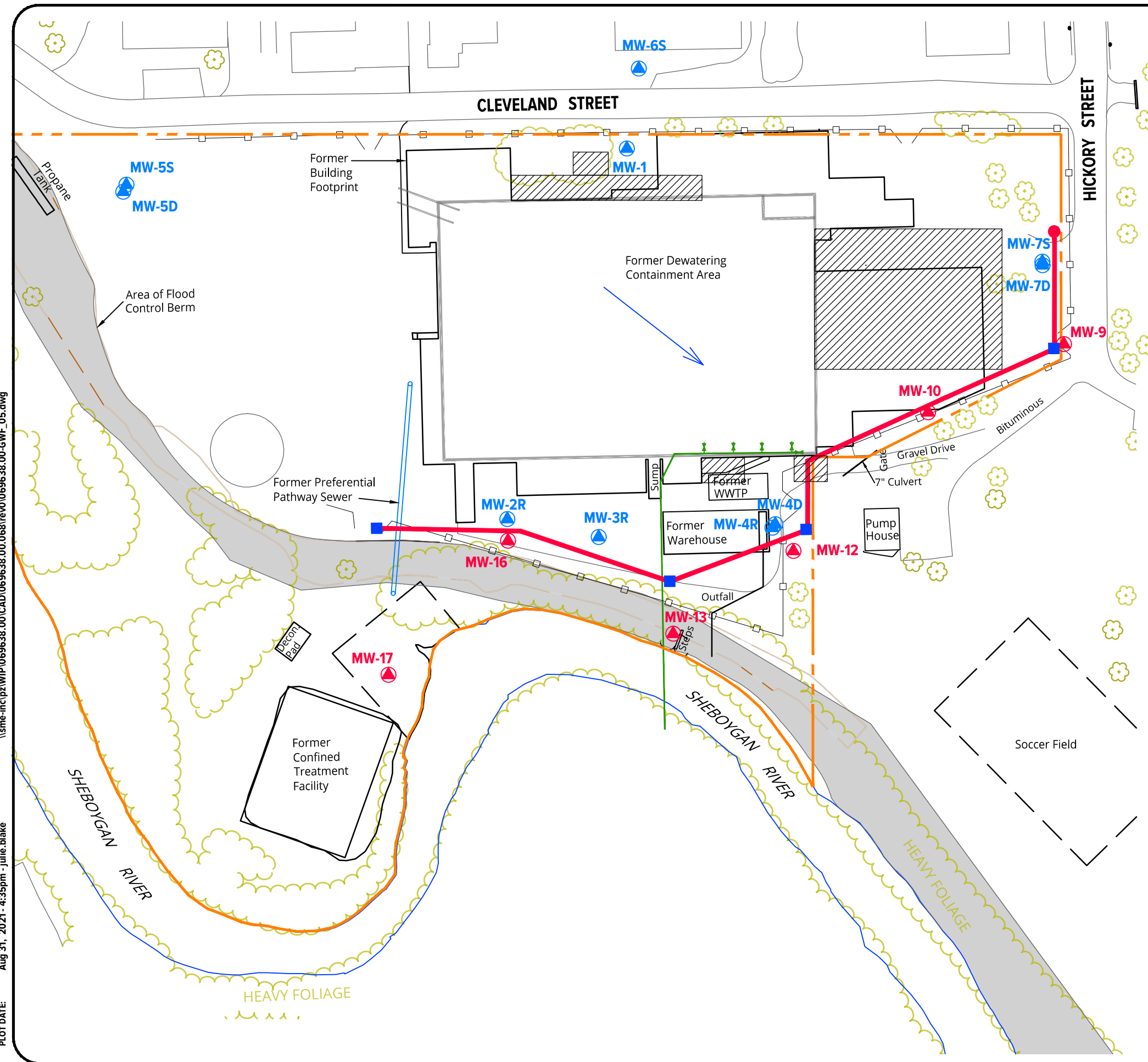
SAMPLE DATE	Wisconsin DNR NR 140 Criteria	USEPA Maximum Contaminant Level (MCL)	MEAN	MAXIMUM
WELL ID				
MW9	0.03	0.5	ND	ND
MW10			0.51	1.10
MW12			0.45	1.50
MW13			1.05	2.10
MW16			ND	0.50
MW17			ND	0.51

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 archlor 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\rev0\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
- ▲ DOWNGRADIENT 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 **069638.00.068**

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
 © 2021

ATTACHMENT 2
LABORATORY ANALYTICAL REPORT

August 30, 2022

Aaron Lammers
SME
3301 Tech Circle
Kalamazoo, MI 49008

RE: Project: 069638.00.073 WATERS
Pace Project No.: 40249619

Dear Aaron Lammers:

Enclosed are the analytical results for sample(s) received by the laboratory on August 10, 2022. 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

This report was revised on August 26, 2022, to report total polychlorinated biphenyls by method 8082A.

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: Keith Egan, Pollution Risk Services LLC
Megan Schaner, SME



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 069638.00.073 WATERS
Pace Project No.: 40249619

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 (A2LA) #: R-036
North Dakota Certification (MN) #: 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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SAMPLE SUMMARY

Project: 069638.00.073 WATERS

Pace Project No.: 40249619

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40249619001	MW12	Water	08/09/22 09:45	08/10/22 10:30
40249619002	MW9	Water	08/09/22 10:50	08/10/22 10:30
40249619003	MW10	Water	08/09/22 12:00	08/10/22 10:30
40249619004	MW13	Water	08/09/22 12:45	08/10/22 10:30
40249619005	MW16	Water	08/09/22 13:25	08/10/22 10:30
40249619006	MW17	Water	08/09/22 14:05	08/10/22 10:30
40249619007	EQUIPMENT BLANK	Water	08/09/22 14:20	08/10/22 10:30
40249619008	DUP GW	Water	08/09/22 00:00	08/10/22 10:30

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SAMPLE ANALYTE COUNT

Project: 069638.00.073 WATERS
Pace Project No.: 40249619

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40249619001	MW12	EPA 8082A	RAG	10	PASI-M
40249619002	MW9	EPA 8082A	RAG	10	PASI-M
40249619003	MW10	EPA 8082A	RAG	10	PASI-M
40249619004	MW13	EPA 8082A	RAG	10	PASI-M
40249619005	MW16	EPA 8082A	RAG	10	PASI-M
40249619006	MW17	EPA 8082A	RAG	10	PASI-M
40249619007	EQUIPMENT BLANK	EPA 8082A	RAG	10	PASI-M
40249619008	DUP GW	EPA 8082A	RAG	10	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 069638.00.073 WATERS

Pace Project No.: 40249619

Method: EPA 8082A

Description: 8082A GCS PCB

Client: SME

Date: August 30, 2022

General Information:

8 samples were analyzed for EPA 8082A 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 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.

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: 069638.00.073 WATERS

Pace Project No.: 40249619

Sample: MW12 **Lab ID: 40249619001** Collected: 08/09/22 09:45 Received: 08/10/22 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB									
Analytical Method: EPA 8082A Preparation Method: EPA 3510C									
Pace Analytical Services - Minneapolis									
PCB-1016 (Aroclor 1016)	<0.040	ug/L	0.10	0.040	1	08/12/22 09:06	08/15/22 12:31	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.041	ug/L	0.10	0.041	1	08/12/22 09:06	08/15/22 12:31	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.043	ug/L	0.10	0.043	1	08/12/22 09:06	08/15/22 12:31	11141-16-5	
PCB-1242 (Aroclor 1242)	0.11	ug/L	0.10	0.043	1	08/12/22 09:06	08/15/22 12:31	53469-21-9	
PCB-1248 (Aroclor 1248)	0.19	ug/L	0.10	0.049	1	08/12/22 09:06	08/15/22 12:31	12672-29-6	
PCB-1254 (Aroclor 1254)	0.048J	ug/L	0.10	0.041	1	08/12/22 09:06	08/15/22 12:31	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.049	ug/L	0.10	0.049	1	08/12/22 09:06	08/15/22 12:31	11096-82-5	
PCB, Total	0.35	ug/L	0.10	0.040	1	08/12/22 09:06	08/15/22 12:31	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	65	%	30-125		1	08/12/22 09:06	08/15/22 12:31	877-09-8	
Decachlorobiphenyl (S)	65	%	30-133		1	08/12/22 09:06	08/15/22 12:31	2051-24-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 069638.00.073 WATERS

Pace Project No.: 40249619

Sample: MW9 **Lab ID: 40249619002** Collected: 08/09/22 10:50 Received: 08/10/22 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB									
Analytical Method: EPA 8082A Preparation Method: EPA 3510C									
Pace Analytical Services - Minneapolis									
PCB-1016 (Aroclor 1016)	<0.039	ug/L	0.098	0.039	1	08/12/22 09:06	08/15/22 13:19	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.040	ug/L	0.098	0.040	1	08/12/22 09:06	08/15/22 13:19	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.042	ug/L	0.098	0.042	1	08/12/22 09:06	08/15/22 13:19	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.042	ug/L	0.098	0.042	1	08/12/22 09:06	08/15/22 13:19	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.048	ug/L	0.098	0.048	1	08/12/22 09:06	08/15/22 13:19	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.040	ug/L	0.098	0.040	1	08/12/22 09:06	08/15/22 13:19	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.048	ug/L	0.098	0.048	1	08/12/22 09:06	08/15/22 13:19	11096-82-5	
PCB, Total	<0.039	ug/L	0.098	0.039	1	08/12/22 09:06	08/15/22 13:19	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	52	%	30-125		1	08/12/22 09:06	08/15/22 13:19	877-09-8	
Decachlorobiphenyl (S)	82	%	30-133		1	08/12/22 09:06	08/15/22 13:19	2051-24-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 069638.00.073 WATERS

Pace Project No.: 40249619

Sample: MW10 **Lab ID: 40249619003** Collected: 08/09/22 12:00 Received: 08/10/22 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB									
Analytical Method: EPA 8082A Preparation Method: EPA 3510C									
Pace Analytical Services - Minneapolis									
PCB-1016 (Aroclor 1016)	<0.040	ug/L	0.10	0.040	1	08/12/22 09:06	08/15/22 13:34	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.041	ug/L	0.10	0.041	1	08/12/22 09:06	08/15/22 13:34	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.043	ug/L	0.10	0.043	1	08/12/22 09:06	08/15/22 13:34	11141-16-5	
PCB-1242 (Aroclor 1242)	0.21	ug/L	0.10	0.043	1	08/12/22 09:06	08/15/22 13:34	53469-21-9	
PCB-1248 (Aroclor 1248)	0.35	ug/L	0.10	0.049	1	08/12/22 09:06	08/15/22 13:34	12672-29-6	
PCB-1254 (Aroclor 1254)	0.065J	ug/L	0.10	0.041	1	08/12/22 09:06	08/15/22 13:34	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.049	ug/L	0.10	0.049	1	08/12/22 09:06	08/15/22 13:34	11096-82-5	
PCB, Total	0.63	ug/L	0.10	0.040	1	08/12/22 09:06	08/15/22 13:34	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	49	%	30-125		1	08/12/22 09:06	08/15/22 13:34	877-09-8	
Decachlorobiphenyl (S)	87	%	30-133		1	08/12/22 09:06	08/15/22 13:34	2051-24-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 069638.00.073 WATERS

Pace Project No.: 40249619

Sample: MW13 **Lab ID: 40249619004** Collected: 08/09/22 12:45 Received: 08/10/22 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB									
Analytical Method: EPA 8082A Preparation Method: EPA 3510C									
Pace Analytical Services - Minneapolis									
PCB-1016 (Aroclor 1016)	<0.039	ug/L	0.099	0.039	1	08/12/22 09:06	08/15/22 13:50	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.040	ug/L	0.099	0.040	1	08/12/22 09:06	08/15/22 13:50	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.043	ug/L	0.099	0.043	1	08/12/22 09:06	08/15/22 13:50	11141-16-5	
PCB-1242 (Aroclor 1242)	0.36	ug/L	0.099	0.042	1	08/12/22 09:06	08/15/22 13:50	53469-21-9	
PCB-1248 (Aroclor 1248)	0.59	ug/L	0.099	0.048	1	08/12/22 09:06	08/15/22 13:50	12672-29-6	
PCB-1254 (Aroclor 1254)	0.098J	ug/L	0.099	0.040	1	08/12/22 09:06	08/15/22 13:50	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.049	ug/L	0.099	0.049	1	08/12/22 09:06	08/15/22 13:50	11096-82-5	
PCB, Total	1.1	ug/L	0.099	0.039	1	08/12/22 09:06	08/15/22 13:50	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	50	%	30-125		1	08/12/22 09:06	08/15/22 13:50	877-09-8	
Decachlorobiphenyl (S)	83	%	30-133		1	08/12/22 09:06	08/15/22 13:50	2051-24-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 069638.00.073 WATERS

Pace Project No.: 40249619

Sample: MW16 **Lab ID: 40249619005** Collected: 08/09/22 13:25 Received: 08/10/22 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB									
Analytical Method: EPA 8082A Preparation Method: EPA 3510C									
Pace Analytical Services - Minneapolis									
PCB-1016 (Aroclor 1016)	<0.039	ug/L	0.097	0.039	1	08/12/22 09:06	08/15/22 14:06	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.040	ug/L	0.097	0.040	1	08/12/22 09:06	08/15/22 14:06	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.042	ug/L	0.097	0.042	1	08/12/22 09:06	08/15/22 14:06	11141-16-5	
PCB-1242 (Aroclor 1242)	0.13	ug/L	0.097	0.042	1	08/12/22 09:06	08/15/22 14:06	53469-21-9	
PCB-1248 (Aroclor 1248)	0.21	ug/L	0.097	0.047	1	08/12/22 09:06	08/15/22 14:06	12672-29-6	
PCB-1254 (Aroclor 1254)	0.080J	ug/L	0.097	0.040	1	08/12/22 09:06	08/15/22 14:06	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.048	ug/L	0.097	0.048	1	08/12/22 09:06	08/15/22 14:06	11096-82-5	
PCB, Total	0.42	ug/L	0.097	0.039	1	08/12/22 09:06	08/15/22 14:06	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	47	%	30-125		1	08/12/22 09:06	08/15/22 14:06	877-09-8	
Decachlorobiphenyl (S)	77	%	30-133		1	08/12/22 09:06	08/15/22 14:06	2051-24-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 069638.00.073 WATERS

Pace Project No.: 40249619

Sample: MW17 **Lab ID: 40249619006** Collected: 08/09/22 14:05 Received: 08/10/22 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB									
Analytical Method: EPA 8082A Preparation Method: EPA 3510C									
Pace Analytical Services - Minneapolis									
PCB-1016 (Aroclor 1016)	<0.039	ug/L	0.098	0.039	1	08/12/22 09:06	08/15/22 14:22	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.040	ug/L	0.098	0.040	1	08/12/22 09:06	08/15/22 14:22	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.042	ug/L	0.098	0.042	1	08/12/22 09:06	08/15/22 14:22	11141-16-5	
PCB-1242 (Aroclor 1242)	0.082J	ug/L	0.098	0.042	1	08/12/22 09:06	08/15/22 14:22	53469-21-9	
PCB-1248 (Aroclor 1248)	0.27	ug/L	0.098	0.048	1	08/12/22 09:06	08/15/22 14:22	12672-29-6	
PCB-1254 (Aroclor 1254)	0.063J	ug/L	0.098	0.040	1	08/12/22 09:06	08/15/22 14:22	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.048	ug/L	0.098	0.048	1	08/12/22 09:06	08/15/22 14:22	11096-82-5	
PCB, Total	0.41	ug/L	0.098	0.039	1	08/12/22 09:06	08/15/22 14:22	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	44	%	30-125		1	08/12/22 09:06	08/15/22 14:22	877-09-8	
Decachlorobiphenyl (S)	80	%	30-133		1	08/12/22 09:06	08/15/22 14:22	2051-24-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 069638.00.073 WATERS

Pace Project No.: 40249619

Sample: EQUIPMENT BLANK **Lab ID: 40249619007** Collected: 08/09/22 14:20 Received: 08/10/22 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB									
Analytical Method: EPA 8082A Preparation Method: EPA 3510C									
Pace Analytical Services - Minneapolis									
PCB-1016 (Aroclor 1016)	<0.042	ug/L	0.11	0.042	1	08/12/22 09:06	08/15/22 14:38	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.043	ug/L	0.11	0.043	1	08/12/22 09:06	08/15/22 14:38	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.046	ug/L	0.11	0.046	1	08/12/22 09:06	08/15/22 14:38	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.045	ug/L	0.11	0.045	1	08/12/22 09:06	08/15/22 14:38	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.051	ug/L	0.11	0.051	1	08/12/22 09:06	08/15/22 14:38	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.043	ug/L	0.11	0.043	1	08/12/22 09:06	08/15/22 14:38	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.052	ug/L	0.11	0.052	1	08/12/22 09:06	08/15/22 14:38	11096-82-5	
PCB, Total	<0.042	ug/L	0.11	0.042	1	08/12/22 09:06	08/15/22 14:38	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	50	%	30-125		1	08/12/22 09:06	08/15/22 14:38	877-09-8	
Decachlorobiphenyl (S)	87	%	30-133		1	08/12/22 09:06	08/15/22 14:38	2051-24-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 069638.00.073 WATERS

Pace Project No.: 40249619

Sample: DUP GW **Lab ID: 40249619008** Collected: 08/09/22 00:00 Received: 08/10/22 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB									
Analytical Method: EPA 8082A Preparation Method: EPA 3510C									
Pace Analytical Services - Minneapolis									
PCB-1016 (Aroclor 1016)	<0.039	ug/L	0.099	0.039	1	08/12/22 09:06	08/15/22 12:16	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.040	ug/L	0.099	0.040	1	08/12/22 09:06	08/15/22 12:16	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.043	ug/L	0.099	0.043	1	08/12/22 09:06	08/15/22 12:16	11141-16-5	
PCB-1242 (Aroclor 1242)	0.18	ug/L	0.099	0.042	1	08/12/22 09:06	08/15/22 12:16	53469-21-9	
PCB-1248 (Aroclor 1248)	0.29	ug/L	0.099	0.048	1	08/12/22 09:06	08/15/22 12:16	12672-29-6	
PCB-1254 (Aroclor 1254)	0.055J	ug/L	0.099	0.040	1	08/12/22 09:06	08/15/22 12:16	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.049	ug/L	0.099	0.049	1	08/12/22 09:06	08/15/22 12:16	11096-82-5	
PCB, Total	0.53	ug/L	0.099	0.039	1	08/12/22 09:06	08/15/22 12:16	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	65	%	30-125		1	08/12/22 09:06	08/15/22 12:16	877-09-8	
Decachlorobiphenyl (S)	69	%	30-133		1	08/12/22 09:06	08/15/22 12:16	2051-24-3	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 069638.00.073 WATERS
Pace Project No.: 40249619

QC Batch: 834134 Analysis Method: EPA 8082A
QC Batch Method: EPA 3510C Analysis Description: 8082A GCS PCB
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 40249619001, 40249619002, 40249619003, 40249619004, 40249619005, 40249619006, 40249619007, 40249619008

METHOD BLANK: 4417627 Matrix: Water
Associated Lab Samples: 40249619001, 40249619002, 40249619003, 40249619004, 40249619005, 40249619006, 40249619007, 40249619008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.040	0.10	08/15/22 11:44	
PCB-1221 (Aroclor 1221)	ug/L	<0.041	0.10	08/15/22 11:44	
PCB-1232 (Aroclor 1232)	ug/L	<0.043	0.10	08/15/22 11:44	
PCB-1242 (Aroclor 1242)	ug/L	<0.043	0.10	08/15/22 11:44	
PCB-1248 (Aroclor 1248)	ug/L	<0.049	0.10	08/15/22 11:44	
PCB-1254 (Aroclor 1254)	ug/L	<0.041	0.10	08/15/22 11:44	
PCB-1260 (Aroclor 1260)	ug/L	<0.049	0.10	08/15/22 11:44	
Decachlorobiphenyl (S)	%	90	30-133	08/15/22 11:44	
Tetrachloro-m-xylene (S)	%	72	30-125	08/15/22 11:44	

LABORATORY CONTROL SAMPLE: 4417628

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	2	1.3	67	49-125	
PCB-1260 (Aroclor 1260)	ug/L	2	1.5	73	53-125	
Decachlorobiphenyl (S)	%			81	30-133	
Tetrachloro-m-xylene (S)	%			58	30-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4417629 4417630

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40249619001 Result	Spike Conc.	Spike Conc.	Conc.								
PCB-1016 (Aroclor 1016)	ug/L	<0.040	2	2	2	1.6	1.5	79	79	30-125	1	30	
PCB-1260 (Aroclor 1260)	ug/L	<0.049	2	2	2	1.6	1.6	79	81	39-125	1	30	
Decachlorobiphenyl (S)	%							72	83	30-133			
Tetrachloro-m-xylene (S)	%							62	63	30-125			

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.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 069638.00.073 WATERS

Pace Project No.: 40249619

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 069638.00.073 WATERS

Pace Project No.: 40249619

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40249619001	MW12	EPA 3510C	834134	EPA 8082A	834485
40249619002	MW9	EPA 3510C	834134	EPA 8082A	834485
40249619003	MW10	EPA 3510C	834134	EPA 8082A	834485
40249619004	MW13	EPA 3510C	834134	EPA 8082A	834485
40249619005	MW16	EPA 3510C	834134	EPA 8082A	834485
40249619006	MW17	EPA 3510C	834134	EPA 8082A	834485
40249619007	EQUIPMENT BLANK	EPA 3510C	834134	EPA 8082A	834485
40249619008	DUP GW	EPA 3510C	834134	EPA 8082A	834485

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CHAIN-OF-CUSTODY Analytical Request Document

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubfs/pas-standard-terms.pdf>

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- ATIX Workorder/Login Label Here or List Pace Workorder Number or

MTJL Log-in Number Here

40249619

ALL BOLD OUTLINED AREAS are for LAB USE ONLY

Company: **SME**
 Address: **882 40th Street SE
 Grand Rapids, MI 49508**
 Report To: **Aaron Lammers**
 Copy To: **Megan Schaner**

Billing Information:
 Email To: **Megan.Schaner@sme-usa.com
 Aaron.Lammers@sme-usa.com**
 Site Collection Info/Address:
426 Cleveland St.

Customer Project Name/Number: **069638.DD.073**
 Phone: **810 852 1094**
 Email: **jacob.lindsay@sme-usa.com**
 Collected By (print): **Jacob Lindsay**
 Collected By (signature): *Jacob Lindsay*
 Sample Disposal:
 Dispose as appropriate
 Return
 Archive:
 Hold:

State: **WI** County/City: **Sheboygan Falls** Time Zone Collected: **PT | MT | CT | ET**
 Compliance Monitoring?
 Yes No
 DW PWS ID #:
 DW Location Code:
 Immediately Packed on Ice:
 Yes No
 Field Filtered (if applicable):
 Yes No
 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	Container Type: Plastic (P) or Glass (G)
			Date	Time	Date	Time			
MW12	GW								
MW12	GW		8/9/22	945			2	G	X
MS (MW12)	GW		8/9/22	945			2	G	X
MSD (MW12)	GW			945					X
MW9	GW			1050					X
MW10	GW			1200					X
MW13	GW			1245					X
MW16	GW			1325					X
MW17	GW			1405					X
Equipment Blank	GW			1420					X
DUP GW	GW								X

Container Preservative Type **
 U

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

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: Y N NA
 Sample pH Acceptable Y N NA
 pH Strips: Y N NA
 Sulfide Present Y N NA
 Lead Acetate Strips: Y N NA

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: **8/10/22 0905**
 Relinquished by/Company: (Signature) *Timothy Pro Pace*
 Date/Time: **8/11/22 1030**
 Relinquished by/Company: (Signature)

Received by/Company: (Signature) *Timothy Pro Pace*
 Date/Time: **8/10/22 0905**
 Received by/Company: (Signature) *Ben John Pace*
 Date/Time: **8/11/22 1030**
 Received by/Company: (Signature)

MTJL LAB USE ONLY
 Table #:
 Acctnum:
 Template:
 Prelogin:
 PM:
 PB:

Trip Blank Received: Y N NA
 HCL MeOH TSP Other
 Non Conformance(s): YES / NO
 Page 17 of 24
 of: **1**

Sample Condition Upon Receipt Form (SCUR)

Client Name: SME

Project #:

WO#: 40249619

Courier: CS Logistics Fed Ex Speedee UPS Walco
 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 SR - 118 Type of Ice: Wet Blue Dry None

Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 2.5 / Corr: -3

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Person examining contents:

Date: 8/10/22 / Initials: JP

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

Labeled By Initials: PPV

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<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:

Person Contacted: _____ Date/Time: _____

If checked, see attached form for additional comments

Comments/ Resolution: _____

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



DC#_Title: ENV-FRM-MIN4-0150 v05_Sample Condition Upon Receipt (SCUR)

Effective Date: 04/12/2022

Sample Condition Upon Receipt

Client Name:

PACE, WI

Project #:

WO#: 10620950

Courier:

- Fed Ex, UPS, USPS, Pace, SpeeDee, Commercial

Client

PM: FEP

Due Date: 08/24/22

CLIENT: PASI-WI

See Exceptions

ENV-FRM-MIN4-0142

Tracking Number:

Custody Seal on Cooler/Box Present? Yes No

Seals Intact? Yes No

Biological Tissue Frozen? Yes No N/A

Packing Material: Bubble Wrap, Bubble Bags, None, Other

Temp Blank? Yes No

Thermometer: T1(0461), T2(1336), T3(0459), T4(0254), T5(0489), T6(0235), T7(0042), 01339252/1710, 122639816, 140792808

Type of Ice: Wet, Blue, None, Dry, Melted

Did Samples Originate in West Virginia? Yes No Were All Container Temps Taken? Yes No N/A

Temp should be above freezing to 6°C

Cooler Temp Read w/temp blank: 2.7 °C

Average Corrected Temp (no temp blank only): °C See Exceptions ENV-FRM-MIN4-0142 1 Container

Correction Factor: TRUE Cooler Temp Corrected w/temp blank: 2.7 °C

USDA Regulated Soil: (N/A, water sample/Other:)

Date/Initials of Person Examining Contents: Jm 8/11/22

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist ENV-FRM-MIN4-0154 and include with SCUR/COC paperwork.

Table with 2 columns: Location (check one) and COMMENTS. Rows include Chain of Custody, Short Hold Time Analysis, Rush Turn Around Time, Field Filtered Volume, All containers needing acid/base preservation, Headspace in Methyl Mercury Container, Extra labels present on soil VOA or WIDRO containers, Trip Blank Present, Trip Blank Custody Seals Present.

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: Comments/Resolution:

Field Data Required? Yes No

Date/Time:

Project Manager Review:

[Signature]

Date: 08/12/2022

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

Labeled by: [Signature]

Sample Condition Upon Receipt Form (SCUR)

Client Name: SME

Project #:

WO#: 40249619

Courier: CS Logistics Fed Ex Speedee UPS Walto
 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 SR - 118 Type of Ice: Wet Blue Dry None

Cooler Temperature Uncorr: 2.5 / Corr: 3 Samples on Ice, cooling process has begun

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Person examining contents:

Date: 8/10/22 / Initials: TP

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Labeled By Initials: _____

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: - VOA Samples frozen upon receipt	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	5. Date/Time:
Short Hold Time Analysis (≤72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: 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		8.
Correct Containers Used: - Pace Containers Used: - Pace IR Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9.
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: - Includes date/time/ID/Analysis Matrix: <u>W</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
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: _____
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____
 If checked, see attached form for additional comments

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