

From: Dombrowski, Frank J <frank.dombrowski@wecenergygroup.com>
Sent: Thursday, December 14, 2023 8:40 AM
To: gielniewski.margaret@epa.gov
Cc: DNR RR NER; Korpela, Adrienne/MKE; Krueger, Sarah E - DNR; Abigail Small (ASMALL@ramboll.com)
Subject: WPSC Marinette Former MGP - Nov. 2023 Monthly Progress Report (CERCLA Docket No. V-W-18-C-009)
Attachments: 2023-12-14 WPSC-USEPA November 2023 WPSC Marinette Monthly Progress Report_Final.pdf

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Hi Margaret,

Please find attached the November 2023 monthly progress report for the WPSC Marinette, WI Former MGP Site.

As always, if you have any questions or if additional information is needed, please let me know.

Thank you,

Frank Dombrowski
Principal Environmental Consultant

WEC Energy Group - Business Services
Environmental Dept. - Land Quality Group
333 W. Everett St., A231
Milwaukee, WI 53203
Office: (414) 221-2156
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*Serving WEC Energy Group, We Energies, Wisconsin Public Service, Michigan Gas Utilities,
Minnesota Energy Resources, Peoples Gas and North Shore Gas*



Wisconsin Public Service Corporation

700 North Adams Street
P.O. Box 19001
Green Bay, WI 54307-9001

www.wisconsinpublicservice.com

December 14, 2023

Ms. Margaret Gielniewski
Remedial Project Manager
United States Environmental Protection Agency
77 W. Jackson Blvd.
Chicago, Illinois 60604-3590

**RE: November 2023 Monthly Progress
Marinette Former Manufactured Gas Plant
Marinette, Wisconsin
Wisconsin Public Service Corporation
CERCLA Docket No V-W-18-C-009, Site Spill ID – B5BT,
CERCLIS ID – WIN000509952**

Dear Ms. Gielniewski:

Wisconsin Public Service Corporation (WPSC) is providing this monthly progress report for the WPSC Marinette Former Manufactured Gas Plant (MGP) Site.

1) PROGRESS MADE DURING THE PAST MONTH

- Prepared and submitted October 2023 Monthly Progress Report to United States Environmental Protection Agency (USEPA) by November 15, 2023.
- Mobilized and completed semi-annual groundwater sampling between October 31 and November 2, 2023.

2) ANALYTICAL AND OTHER TESTING RESULTS RECEIVED

- Received analytical results from semi-annual groundwater sampling event. Data is attached.

3) PROJECTED WORK

WPSC Actions

- Submit monthly progress report to USEPA by the 15th of the month.

USEPA Actions

- Provide additional feedback on outstanding ARAR table action items discussed in November 1, 2023 meeting.
- Continue preparation of Proposed Plan.

4) PROBLEMS OR POTENTIAL PROBLEMS ENCOUNTERED

- None

5) ACTUAL OR PLANNED RESOLUTION OF PROBLEMS OR POTENTIAL PROBLEMS

- None

If you have any questions, please don't hesitate to contact me at (414) 221-2156 or via email at frank.dombrowski@wecenergygroup.com.

Sincerely,

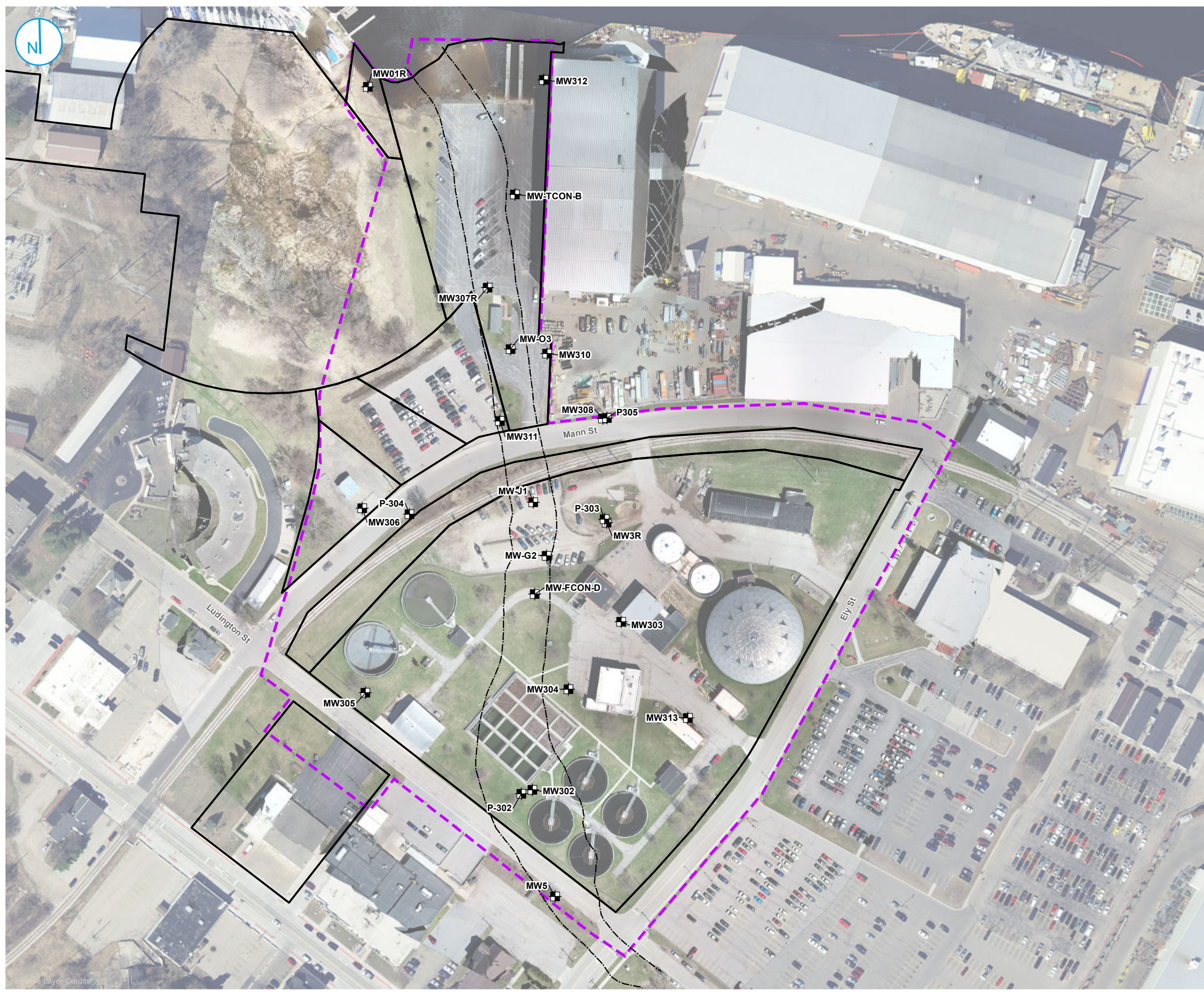


Frank Dombrowski
Principal Environmental Consultant
WEC Business Services – Environmental Dept

Enclosures: Figure 1. Monitoring Well Network.
Table 1. Groundwater Analytical Results Compared to the Groundwater
Standard, Tap Water Criteria, and WI PAL
Marinette MGP Groundwater Data Package (on SharePoint)
[Marinette MGP November 2023 MPR SharePoint Link](#)

For distribution to: Ms. Sarah Krueger, WDNR (via US Mail and email)
WDNR Northeast Region (via email to DNRRRNER@wisconsin.gov)
Ms. Adrienne Korpela, Jacobs (via email)
Ms. Abby Small, Ramboll (via email)

FIGURES



- EXISTING MONITORING WELL LOCATION
- FORMER SLOUGH/ LOG RUN
- ▭ PARCEL BOUNDARY (MARINETTE COUNTY, ACCESSED 7/16/2018)
- ▭ APPROXIMATE EXTENT OF UPLAND SITE



MONITORING WELLS

WSPC MARINETTE FORMER MGP SITE
MARINETTE, WISCONSIN

FIGURE 1



Source Layer Credits:

TABLES

Table 1. Groundwater Analytical Results Compared to the Groundwater Standard, Tap Water Criteria, and WI PAL

Monthly Progress Report - October & November 2023 Sample Results

Wisconsin Public Service Corporation

Marinette Former MGP

Marinette, Wisconsin

BRRTS# 023800047 CERCLIS ID: WIN000509952

9-digit Code	Sample Location	Sample Date	PAH	PAH	PAH-Alk	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal													
			Phenanthrene	Pyrene	1-Methylnaphthalene	Aluminum, Dissolved	Aluminum, Total	Antimony, Dissolved	Antimony, Total	Copper, Dissolved	Copper, Total	Iron, Dissolved	Iron, Total	Manganese, Dissolved	Manganese, Total	Nickel, Dissolved	Nickel, Total	Silver, Dissolved	Silver, Total	Vanadium, Dissolved	Vanadium, Total	Zinc, Dissolved	Zinc, Total												
Reporting Units:			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L													
			Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag													
WI Groundwater SL:			3,000	250	NS	200	200	6	6	1,300	1,300	NS	NS	300	300	100	100	50	50	30	30	NS	NS												
WI Groundwater PAL:			NS	50	NS	40	40	1.2	1.2	130	130	150	150	60	60	20	20	10	10	6	6	2,500	2,500												
Tap Water RSL:			1,800	120	1.1	20,000	20,000	7.8	7.8	800	800	14,000	14,000	430	430	390	390	94	94	86	86	6,000	6,000												
110123013	MW01R	11/01/23	0.12	0.064	0.045	J	117	U	--	0.30	U	--	3.8	U	--	8,090	--	690	--	0.57	U	--	0.25	U	--	0.63	U	--	20.7	U	--				
110123020/110123021	MW03	11/01/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
110223027	MW03R	11/02/23	0.091	0.43	0.017	U	117	U	--	1.2	J	--	7.9	J	--	153	J	--	23.0	--	2.8	--	0.25	U	--	2.2	--	35.7	J	--					
110123012	MW05	11/01/23	0.025	U	0.022	U	0.017	U	117	U	--	0.30	U	--	3.8	U	--	116	U	--	4,250	--	3.7	--	0.25	U	--	0.63	U	--	20.7	U	--		
103123003	MW302	10/31/23	0.074	U	0.16	U	0.041	J	117	U	--	0.30	U	--	3.8	U	--	116	U	--	115	--	2.1	--	0.25	U	--	0.63	U	--	20.7	U	--		
110123010	MW303	11/01/23	0.026	U	0.051	U	0.018	U	117	U	--	0.30	U	--	3.8	U	--	6,380	--	648	--	1.5	J	--	0.25	U	--	1.3	J	--	20.7	U	--		
103123004	MW304	10/31/23	0.069	J	0.046	U	4.9	--	117	U	--	1.8	J	--	3.8	U	--	1,290	--	954	--	2.6	--	0.25	U	--	2.1	J	--	20.7	U	--			
103123001	MW305	10/31/23	0.026	U	0.023	U	0.018	U	117	U	--	0.30	U	--	3.8	U	--	116	U	--	2.4	U	--	0.57	U	--	0.25	U	--	0.63	U	--	20.7	U	--
110123017	MW306	11/01/23	0.027	U	0.47	U	0.82	--	117	U	--	0.30	U	--	3.8	U	--	18,200	--	1,030	--	0.57	U	--	0.25	U	--	1.8	J	--	20.7	U	--		
110123015	MW307R	11/01/23	0.32	U	0.22	U	0.45	--	117	U	--	0.30	U	--	3.8	U	--	11,800	--	217	--	0.57	U	--	0.25	U	--	0.63	U	--	20.7	U	--		
103123006/103123007	MW308	10/31/23	0.025	U	0.022	U	0.017	U	117	U	--	0.30	U	--	27.0	--	7,280	--	3,730	--	12.5	--	0.41	J	--	0.25	U	--	0.75	J	--	124	--		
110123016	MW310	11/01/23	0.10	U	0.23	U	0.061	J	117	U	--	0.46	J	--	3.8	U	--	1,430	--	242	--	1.1	J	--	0.25	U	--	2.8	--	20.7	U	--			
110123022/110123023	MW311	11/01/23	40.8	U	2.9	J	139	--	117	U	--	0.30	U	--	3.8	U	--	36,900	--	813	--	1.4	J	--	0.25	U	--	0.97	J	--	20.7	U	--		
110123014	MW312	11/01/23	0.085	U	0.043	J	0.018	U	117	U	--	0.30	U	--	3.8	U	--	33,900	--	1,200	--	0.57	U	--	0.25	U	--	0.63	U	--	20.7	U	--		
110123009	MW313	11/01/23	0.025	U	0.022	U	0.10	--	117	U	--	1.3	J	--	3.8	U	--	5,760	--	412	--	2.3	--	0.25	U	--	1.4	J	--	20.7	U	--			
110123011	MWFCOND	11/01/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
110123025	MWG2	11/01/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
110123024	MWJ1	11/01/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
110123019	MWTCNB	11/01/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
103123002	P302	10/31/23	0.025	U	0.022	U	0.018	U	117	U	--	0.30	U	--	3.8	U	--	116	U	--	181	--	0.60	J	--	0.25	U	--	0.63	U	--	20.7	U	--	
110223026	P303	11/02/23	1.7	U	2.0	U	0.075	--	--	947	--	0.30	U	--	3.8	U	--	1,790	--	80.0	--	2.4	--	0.25	U	--	3.3	--	20.7	U	--				
110123018	P304	11/01/23	0.049	J	0.081	J	0.033	J	--	583	--	0.38	J	--	3.8	U	--	9,120	--	132	--	3.0	--	0.25	U	--	2.2	--	20.7	U	--				
103123005	P305	10/31/23	0.025	J	0.25	U	0.017	U	117	U	--	0.30	U	--	3.8	U	--	533	--	246	--	11.1	--	0.25	U	--	0.63	U	--	20.7	U	--			
Total Number of Samples Analyzed:			18	18	18	16	2	16	2	16	2	16	2	16	2	16	2	16	2	16	2	16	2												
Number of Detections:			11	12	10	0	2	4	1	2	0	12	2	15	2	11	2	0	8	2	2	0													
Min:			0.025	0.043	0.033	NA	583	0.46	0.38	7.9	NA	153	1,790	23	80	0.6	2.4	0.41	NA	0.75	2.2	35.7	NA												
Max:			40.8	2.9	139	NA	947	1.8	0.38	27	NA	36,900	9,120	4,250	132	12.5	3	0.41	NA	2.8	3.3	124	NA												
WI Groundwater SL:			3000	250	NS	200	200	6	6	1300	1300	NS	NS	300	300	100	100	50	50	30	30	NS	NS												
Number of Samples that Exceed WI Groundwater SL:			0	0	0	0	2	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0												
WI Groundwater PAL:			NS	50	NS	40	40	1.2	1.2	130	130	150	150	60	60	20	20	10	10	6	6	2500	2500												
Number of Samples that Exceed WI Groundwater PAL:			0	0	0	0	2	2	0	0	0	12	2	14	2	0	0	0	0	0	0	0	0												
Tap Water RSL:			1800	120	1.1	20000	20000	7.8	7.8	800	800	14000	14000	430	430	390	390	94	94	86	86	6000	6000												
Number of Samples that Exceed Tap Water RSL:			0	0	2	0	0	0	0	0	0	3	0	8	0	0	0	0	0	0	0	0	0												

Table 1. Groundwater Analytical Results Compared to the Groundwater Standard, Tap Water Criteria, and WI PAL

Monthly Progress Report - October & November 2023 Sample Results
 Wisconsin Public Service Corporation
 Marinette Former MGP
 Marinette, Wisconsin
 BRRTS# 023800047 CERCLIS ID: WIN000509952

9-digit Code	Sample Location	Sample Date	Inorganic		Inorganic		Inorganic		Organic		Field		Field		Field		Field		Field		Field	
			Alkalinity, Total	Nitrogen, NO ₂ + NO ₃ , Total	Sulfate, Total	Methane	Dissolved oxygen	Groundwater, depth to	Oxidation Reduction Potential	pH, Field	Specific Conductance, Field	Temperature, Water	Turbidity, Quantitative									
Reporting Units:			µg/L	µg/L	µg/L	µg/L	mg/l	feet	millivolts	s.u.	µS/cm	Deg C	NTs									
			Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag									
WI Groundwater SL:			NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS									
WI Groundwater PAL:			NS	2,000	125,000	NS	NS	NS	NS	NS	NS	NS	NS									
Tap Water RSL:			NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS									
110123013	MW01R	11/01/23	367,000	59	U	2,200	U	7,130		0.18	3.98	-187.5	6.65	679.9	12.03	1.53						
110123020/110123021	MW03	11/01/23	--	--	--	--	--	--	--	--	4.67	--	--	--	--	--						
110223027	MW03R	11/02/23	370,000	4,200		85,800		7.2		2.91	5.28	18.4	6.89	843.2	10.83	92.20						
110123012	MW05	11/01/23	264,000	350		114,000		0.58	U	0.18	7.47	-29.3	7.58	1539.1	11.27	25.42						
103123003	MW302	10/31/23	361,000	250		41,500		41.5		0.19	12.66	29.1	6.64	1597.1	13.18	0.00						
110123010	MW303	11/01/23	434,000	59	U	20,400		962		0.13	4.21	-188.4	7.26	1529.3	13.40	117.03						
103123004	MW304	10/31/23	484,000	59	U	76,100		282		0.15	6.76	-204.4	7.22	976.2	12.51	12.79						
103123001	MW305	10/31/23	309,000	8,800		73,600	J	0.58	U	3.51	15.21	18.4	7.40	2120.3	11.76	0.00						
110123017	MW306	11/01/23	306,000	59	U	2,200	U	2,970		0.14	4.18	-190.6	6.86	900.1	12.41	7.31						
110123015	MW307R	11/01/23	223,000	59	U	2,200	U	6,420		0.16	3.58	-230.9	7.11	530.4	14.52	0.00						
103123006/103123007	MW308	10/31/23	703,000	480		273,000		128		0.21	6.19	-65.1	6.72	11,444	13.08	11.59						
110123016	MW310	11/01/23	484,000	1,800		87,700		999		0.17	5.34	-81.4	6.95	1299.1	14.08	4.05						
110123022/110123023	MW311	11/01/23	792,000	59	U	2,200	U	9,510		0.17	5.15	-223.0	6.77	2863.4	14.54	0.00						
110123014	MW312	11/01/23	851,000	59	U	2,700	J	8,580		0.20	3.71	-203.8	6.77	2132.5	10.49	0.55						
110123009	MW313	11/01/23	305,000	1,800		42,800		3,080		0.17	3.90	-121.2	6.82	638.3	13.13	64.20						
110123011	MWFCND	11/01/23	--	--	--	--	--	--	--	--	7.86	--	--	--	--	--						
110123025	MWG2	11/01/23	--	--	--	--	--	--	--	--	6.43	--	--	--	--	--						
110123024	MWJ1	11/01/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--						
110123019	MWTCONB	11/01/23	--	--	--	--	--	--	--	--	4.34	--	--	--	--	--						
103123002	P302	10/31/23	240,000	250	J	52,900		0.58	U	0.22	12.62	17.9	7.15	1072.4	11.73	0.00						
110223026	P303	11/02/23	142,000	350		861,000		0.58	U	--	--	--	--	--	--	--						
110123018	P304	11/01/23	201,000	2,200		552,000		0.58	U	9.48	--	-229.3	7.72	1626.8	10.09	7.31						
103123005	P305	10/31/23	390,000	59	U	13,100		33.9		0.36	6.42	-47.4	7.09	1670.7	12.39	4.90						
Total Number of Samples Analyzed:			18	18	18	18	17	20	17	17	17	17	17									
Number of Detections:			18	10	14	13	17	20	17	17	17	17	17									
Min:			142,000	250	2,700	7.2	0.13	3.58	-230.9	6.64	530.4	10.09	0									
Max:			851,000	8,800	861,000	9,510	9.48	15.21	29.1	7.72	11,444	14.54	117.03									
WI Groundwater SL:			NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS									
Number of Samples that Exceed WI Groundwater SL:			0	0	0	0	0	0	0	0	0	0	0									
WI Groundwater PAL:			NS	2000	125000	NS	NS	NS	NS	NS	NS	NS	NS									
Number of Samples that Exceed WI Groundwater PAL:			0	3	3	0	0	0	0	0	0	0	0									
Tap Water RSL:			NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS									
Number of Samples that Exceed Tap Water RSL:			0	0	0	0	0	0	0	0	0	0	0									

[O: GKJ 12/13/23 C: AAS 12/13/23]

Analyte concentration attains or exceeds the standard/screening level for:

Bold	WI Groundwater SL
<u>Underline</u>	WI Groundwater PAL
<i>Italic</i>	Tap Water RSL
Yellow Highlighting	analyte exceedance in statistics for one or more samples

Results & Flags:

--	Analysis not performed
J	Estimated concentration
U	Concentration was not detected above the reported limit

Screening Levels and Standards:

PAL from WI Administrative Code NR 140 groundwater quality standard revised effective January 2020.

Groundwater and Tap Water Screening Levels used on this table were presented in the Multi-Site Risk Assessment Framework (RAF) Addendum Revision 6, issued in August 2017. Since that time, twelve revisions of the RSLs have been published by EPA through November 2023. The RSLs necessary for the MGP-related constituents evaluated in this table are up to date with the most recent revision.

Groundwater stabilization parameters / water-quality-indicator parameters were analyzed at time of sampling using an InSitu Aquatroll Multiparameter sonde. Lab comments, additional data qualifiers and definitions can be found in associated laboratory reports.

Acronyms:

- (N) = Normalized sample location
- a location created from combining parent and field duplicate samples following EPA protocol
- µg/L = micrograms per liter
- µS/cm = microsiemens per centimeter (micromhos per centimeter or µmhos/cm)
- BRRTS = Bureau for Remediation and Redevelopment Tracking System
- BTEX = Benzene, Toluene, Ethylbenzene and Xylene
- CERCLIS = Comprehensive Environmental Response, Compensation, and Liability Information System
- Deg C = degrees Celsius
- EPA = Environmental Protection Agency
- GW = Groundwater
- mg/L = milligrams per liter
- MGP = manufactured gas plant
- NA = Not Applicable
- NO₂ + NO₃ = nitrite plus nitrate
- NS = No Standard or Screening Level
- NTU = Nephelometric Turbidity Unit
- PAH = Polycyclic Aromatic Hydrocarbon
- PAL = Preventive Action Limit
- RSL = Regional Screening Level
- s.u. = standard units
- SL = Screening Level
- USEPA = United States Environmental Protection Agency
- WI = Wisconsin



November 20, 2023

Emily Ruder
Ramboll
234 W Florida St
Fifth Floor
Milwaukee, WI 53204

RE: Project: 194101157 Marinette Former MGP
Pace Project No.: 40270488

Dear Emily Ruder:

Enclosed are the analytical results for sample(s) received by the laboratory on November 02, 2023. 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 - Green Bay

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

Sincerely,

Steven Mieczko for
Brian Basten
brian.basten@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: ERIC BAUER, Ramboll
Marcus Byker, Ramboll
NRT Data, Ramboll
Abigail Small, Ramboll
Scott Woods, Ramboll



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40270488001	103123001	Water	10/31/23 13:04	11/02/23 09:50
40270488002	103123002	Water	10/31/23 13:43	11/02/23 09:50
40270488003	103123003	Water	10/31/23 14:11	11/02/23 09:50
40270488004	103123004	Water	10/31/23 15:12	11/02/23 09:50
40270488005	103123005	Water	10/31/23 16:24	11/02/23 09:50
40270488006	103123006	Water	10/31/23 16:55	11/02/23 09:50
40270488007	103123007	Water	10/31/23 17:00	11/02/23 09:50
40270488008	103123008	Water	10/31/23 17:30	11/02/23 09:50
40270488009	110123009	Water	11/01/23 07:59	11/02/23 09:50
40270488010	110123010	Water	11/01/23 08:39	11/02/23 09:50
40270488011	110123012	Water	11/01/23 09:56	11/02/23 09:50
40270488012	110123013	Water	11/01/23 10:49	11/02/23 09:50
40270488013	110123014	Water	11/01/23 11:27	11/02/23 09:50
40270488014	110123015	Water	11/01/23 12:04	11/02/23 09:50
40270488015	110123016	Water	11/01/23 12:35	11/02/23 09:50
40270488016	110123017	Water	11/01/23 13:17	11/02/23 09:50
40270488017	110123018	Water	11/01/23 13:45	11/02/23 09:50
40270488018	110123022	Water	11/01/23 15:54	11/02/23 09:50
40270488019	110123023	Water	11/01/23 15:59	11/02/23 09:50
40270488020	110223026	Water	11/02/23 07:15	11/02/23 09:50
40270488021	110123011	Water	11/01/23 09:20	11/02/23 09:50
40270488022	110123019	Water	11/01/23 13:50	11/02/23 09:50
40270488023	110123020	Water	11/01/23 15:25	11/02/23 09:50
40270488024	110123021	Water	11/01/23 15:30	11/02/23 09:50
40270488025	110123024	Water	11/01/23 17:10	11/02/23 09:50
40270488026	TB01	Water	11/01/23 00:00	11/02/23 09:50
40270488027	110123025	Water	11/01/23 17:41	11/02/23 09:50
40270488028	110223027	Water	11/02/23 07:53	11/02/23 09:50
40270488029	110223028	Water	11/02/23 08:30	11/02/23 09:50

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40270488001	103123001	EPA 8015B Modified	KHB	1	PASI-G
		EPA 6020B	TXW	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	NB	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
		EPA 353.2	MT	1	PASI-G
40270488002	103123002	EPA 8015B Modified	KHB	1	PASI-G
		EPA 6020B	TXW	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	NB	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
		EPA 353.2	MT	1	PASI-G
40270488003	103123003	EPA 8015B Modified	KHB	1	PASI-G
		EPA 6020B	TXW	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	NB	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
		EPA 353.2	MT	1	PASI-G
40270488004	103123004	EPA 8015B Modified	KHB	1	PASI-G
		EPA 6020B	TXW	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	NB	8	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
		EPA 353.2	MT	1	PASI-G
40270488005	103123005	EPA 8015B Modified	KHB	1	PASI-G
		EPA 6020B	TXW	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	NB	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
		EPA 353.2	MT	1	PASI-G
40270488006	103123006	EPA 8015B Modified	KHB	1	PASI-G
		EPA 6020B	TXW	9	PASI-G

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SAMPLE ANALYTE COUNT

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40270488007	103123007	EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	NB	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
		EPA 353.2	MT	1	PASI-G
		EPA 8015B Modified	KHB	1	PASI-G
		EPA 6020B	TXW	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	NB	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
40270488008	103123008	EPA 310.2	MT	1	PASI-G
		EPA 353.2	MT	1	PASI-G
		EPA 8015B Modified	KHB	1	PASI-G
		EPA 6020B	TXW	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	NB	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
		EPA 353.2	MT	1	PASI-G
		EPA 8015B Modified	KHB	1	PASI-G
40270488009	110123009	EPA 6020B	TXW	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	NB	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
		EPA 353.2	MT	1	PASI-G
		EPA 8015B Modified	KHB	1	PASI-G
		EPA 6020B	TXW	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	NB	9	PASI-G
40270488010	110123010	EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
		EPA 353.2	MT	1	PASI-G
		EPA 8015B Modified	KHB	1	PASI-G
		EPA 6020B	TXW	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	NB	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
		EPA 353.2	MT	1	PASI-G
40270488011	110123012	EPA 8015B Modified	KHB	1	PASI-G
		EPA 6020B	TXW	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	NB	9	PASI-G
		EPA 300.0	HMB	1	PASI-G

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SAMPLE ANALYTE COUNT

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40270488012	110123013	EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
		EPA 353.2	MT	1	PASI-G
		EPA 8015B Modified	KHB	1	PASI-G
		EPA 6020B	TXW	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	SMT	9	PASI-G
40270488013	110123014	EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
		EPA 353.2	MT	1	PASI-G
		EPA 8015B Modified	KHB	1	PASI-G
		EPA 6020B	TXW	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	SMT	9	PASI-G
40270488014	110123015	EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
		EPA 353.2	MT	1	PASI-G
		EPA 8015B Modified	KHB	1	PASI-G
		EPA 6020B	TXW	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	SMT	9	PASI-G
40270488015	110123016	EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
		EPA 353.2	MT	1	PASI-G
		EPA 8015B Modified	KHB	1	PASI-G
		EPA 6020B	TXW	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	SMT	9	PASI-G
40270488016	110123017	EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
		EPA 353.2	MT	1	PASI-G
		EPA 8015B Modified	KHB	1	PASI-G
		EPA 6020B	TXW	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	SMT	9	PASI-G

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SAMPLE ANALYTE COUNT

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40270488017	110123018	EPA 353.2	MT	1	PASI-G
		EPA 8015B Modified	KHB	1	PASI-G
		EPA 6020B	TXW	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	SMT	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
40270488018	110123022	EPA 353.2	MT	1	PASI-G
		EPA 8015B Modified	KHB	1	PASI-G
		EPA 6020B	TXW	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	SMT	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
40270488019	110123023	EPA 353.2	MT	1	PASI-G
		EPA 8015B Modified	KHB	1	PASI-G
		EPA 6020B	TXW	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	SMT	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
40270488020	110223026	EPA 353.2	MT	1	PASI-G
		EPA 8015B Modified	KHB	1	PASI-G
		EPA 6020B	TXW	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	SMT	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
40270488021	110123011	EPA 353.2	MT	1	PASI-G
		EPA 8270E by SIM	TPO	6	PASI-G
		EPA 8260	SMT	5	PASI-G
40270488022	110123019	EPA 8270E by SIM	TPO	6	PASI-G
		EPA 8260	SMT	5	PASI-G
40270488023	110123020	EPA 8270E by SIM	TPO	6	PASI-G
		EPA 8260	SMT	5	PASI-G
40270488024	110123021	EPA 8270E by SIM	TPO	6	PASI-G
		EPA 8260	SMT	5	PASI-G

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SAMPLE ANALYTE COUNT

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40270488025	110123024	EPA 8270E by SIM	TPO	6	PASI-G
		EPA 8260	SMT	5	PASI-G
40270488026	TB01	EPA 8260	SMT	9	PASI-G
40270488027	110123025	EPA 8270E by SIM	TPO	6	PASI-G
		EPA 8260	SMT	5	PASI-G
40270488028	110223027	EPA 8015B Modified	KHB	1	PASI-G
		EPA 6020B	TXW	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	SMT	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
		EPA 353.2	MT	1	PASI-G
		EPA 8015B Modified	KHB	1	PASI-G
40270488029	110223028	EPA 6020B	TXW	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	SMT	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
		EPA 353.2	MT	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Method: EPA 8015B Modified

Description: Methane, Ethane, Ethene GCV

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: November 20, 2023

General Information:

22 samples were analyzed for EPA 8015B Modified by Pace Analytical Services Green Bay. 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.

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.

QC Batch: 459791

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40270488004

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2640539)
 - Methane
- MSD (Lab ID: 2640540)
 - Methane

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Method: EPA 6020B

Description: 6020B MET ICPMS

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: November 20, 2023

General Information:

2 samples were analyzed for EPA 6020B by Pace Analytical Services Green Bay. 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 3010A 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.

Internal Standards:

All internal standards 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.

QC Batch: 459811

B: Analyte was detected in the associated method blank.

- BLANK for HBN 459811 [MPRP/301 (Lab ID: 2640617)
- Nickel

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:

Analyte Comments:

QC Batch: 459811

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 110123018 (Lab ID: 40270488017)
 - Silver
 - Copper
 - Antimony
 - Zinc

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PROJECT NARRATIVE

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Method: EPA 6020B

Description: 6020B MET ICPMS

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: November 20, 2023

Analyte Comments:

QC Batch: 459811

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 110223026 (Lab ID: 40270488020)
 - Silver
 - Copper
 - Antimony
 - Zinc

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PROJECT NARRATIVE

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Method: EPA 6020B

Description: 6020B MET ICPMS, Dissolved

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: November 20, 2023

General Information:

20 samples were analyzed for EPA 6020B by Pace Analytical Services Green Bay. 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 3010A 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.

Internal Standards:

All internal standards 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:

Analyte Comments:

QC Batch: 459434

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

• 103123001 (Lab ID: 40270488001)

- Silver, Dissolved
- Aluminum, Dissolved
- Copper, Dissolved
- Iron, Dissolved
- Manganese, Dissolved
- Nickel, Dissolved
- Antimony, Dissolved
- Vanadium, Dissolved
- Zinc, Dissolved

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PROJECT NARRATIVE

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Method: EPA 6020B

Description: 6020B MET ICPMS, Dissolved

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: November 20, 2023

Analyte Comments:

QC Batch: 459434

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 103123002 (Lab ID: 40270488002)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Iron, Dissolved
 - Nickel, Dissolved
 - Antimony, Dissolved
 - Vanadium, Dissolved
 - Zinc, Dissolved
- 103123003 (Lab ID: 40270488003)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Iron, Dissolved
 - Antimony, Dissolved
 - Vanadium, Dissolved
 - Zinc, Dissolved
- 103123004 (Lab ID: 40270488004)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Antimony, Dissolved
 - Vanadium, Dissolved
 - Zinc, Dissolved
- 103123005 (Lab ID: 40270488005)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Antimony, Dissolved
 - Vanadium, Dissolved
 - Zinc, Dissolved
- 103123006 (Lab ID: 40270488006)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Antimony, Dissolved
 - Vanadium, Dissolved
- 103123007 (Lab ID: 40270488007)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Antimony, Dissolved
 - Vanadium, Dissolved
- 110123009 (Lab ID: 40270488009)
 - Silver, Dissolved

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PROJECT NARRATIVE

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Method: EPA 6020B

Description: 6020B MET ICPMS, Dissolved

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: November 20, 2023

Analyte Comments:

QC Batch: 459434

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 110123009 (Lab ID: 40270488009)
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Antimony, Dissolved
 - Vanadium, Dissolved
 - Zinc, Dissolved
- 110123010 (Lab ID: 40270488010)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Nickel, Dissolved
 - Antimony, Dissolved
 - Vanadium, Dissolved
 - Zinc, Dissolved
- 110123012 (Lab ID: 40270488011)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Iron, Dissolved
 - Antimony, Dissolved
 - Vanadium, Dissolved
 - Zinc, Dissolved
- 110123013 (Lab ID: 40270488012)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Nickel, Dissolved
 - Antimony, Dissolved
 - Vanadium, Dissolved
 - Zinc, Dissolved
- 110123014 (Lab ID: 40270488013)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Nickel, Dissolved
 - Antimony, Dissolved
 - Vanadium, Dissolved
 - Zinc, Dissolved
- 110123015 (Lab ID: 40270488014)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Nickel, Dissolved

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PROJECT NARRATIVE

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Method: EPA 6020B

Description: 6020B MET ICPMS, Dissolved

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: November 20, 2023

Analyte Comments:

QC Batch: 459434

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 110123015 (Lab ID: 40270488014)
 - Antimony, Dissolved
 - Vanadium, Dissolved
 - Zinc, Dissolved
- 110123016 (Lab ID: 40270488015)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Nickel, Dissolved
 - Antimony, Dissolved
 - Zinc, Dissolved
- 110123017 (Lab ID: 40270488016)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Nickel, Dissolved
 - Antimony, Dissolved
 - Vanadium, Dissolved
 - Zinc, Dissolved
- 110123022 (Lab ID: 40270488018)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Nickel, Dissolved
 - Antimony, Dissolved
 - Vanadium, Dissolved
 - Zinc, Dissolved
- 110123023 (Lab ID: 40270488019)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Nickel, Dissolved
 - Antimony, Dissolved
 - Vanadium, Dissolved
 - Zinc, Dissolved
- 110223027 (Lab ID: 40270488028)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Iron, Dissolved
 - Antimony, Dissolved
 - Zinc, Dissolved

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Method: EPA 8270E by SIM

Description: 8270E MSSV PAH

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: November 20, 2023

General Information:

28 samples were analyzed for EPA 8270E by SIM by Pace Analytical Services Green Bay. 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 3510 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.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

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

QC Batch: 459463

S0: Surrogate recovery outside laboratory control limits.

- 103123001 (Lab ID: 40270488001)
 - Terphenyl-d14 (S)
- 103123006 (Lab ID: 40270488006)
 - Terphenyl-d14 (S)
- 103123008 (Lab ID: 40270488008)
 - Terphenyl-d14 (S)
- 110123009 (Lab ID: 40270488009)
 - Terphenyl-d14 (S)
- 110123010 (Lab ID: 40270488010)
 - Terphenyl-d14 (S)

S3: Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

- 103123002 (Lab ID: 40270488002)
 - Terphenyl-d14 (S)

QC Batch: 459615

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

- 110123025 (Lab ID: 40270488027)
 - 2-Fluorobiphenyl (S)

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PROJECT NARRATIVE

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Method: EPA 8270E by SIM

Description: 8270E MSSV PAH

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: November 20, 2023

Method Blank:

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

QC Batch: 459615

B: Analyte was detected in the associated method blank.

- BLANK for HBN 459615 [OEXT/549 (Lab ID: 2639552)
- Chrysene

Laboratory Control Spike:

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

QC Batch: 459703

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.

- LCS (Lab ID: 2639976)
- Dibenz(a,h)anthracene

Matrix Spikes:

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

QC Batch: 459463

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40270488004

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2638576)
 - Acenaphthene
 - Naphthalene
- MSD (Lab ID: 2638577)
 - 1-Methylnaphthalene
 - Acenaphthene
 - Naphthalene

QC Batch: 459615

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40270517007

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2639554)
 - Naphthalene

R1: RPD value was outside control limits.

- MSD (Lab ID: 2639555)
 - Naphthalene

Additional Comments:

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PROJECT NARRATIVE

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Method: EPA 8270E by SIM

Description: 8270E MSSV PAH

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: November 20, 2023

Analyte Comments:

QC Batch: 459463

1q: There was no hold time left to re-extract the sample.

- 103123008 (Lab ID: 40270488008)
 - Terphenyl-d14 (S)

2q: There was no hold time left to re-extract the sample.

- 103123001 (Lab ID: 40270488001)
 - Terphenyl-d14 (S)
- 103123002 (Lab ID: 40270488002)
 - Terphenyl-d14 (S)
- 103123006 (Lab ID: 40270488006)
 - Terphenyl-d14 (S)
- 110123009 (Lab ID: 40270488009)
 - Terphenyl-d14 (S)
- 110123010 (Lab ID: 40270488010)
 - Terphenyl-d14 (S)

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 103123004 (Lab ID: 40270488004)
 - Naphthalene
- MS (Lab ID: 2638576)
 - Naphthalene
- MSD (Lab ID: 2638577)
 - Naphthalene

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PROJECT NARRATIVE

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Method: EPA 8260

Description: 8260 MSV UST

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: November 20, 2023

General Information:

29 samples were analyzed for EPA 8260 by Pace Analytical Services Green Bay. 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.

pH: Post-analysis pH measurement indicates insufficient VOA sample preservation.

- 110123024 (Lab ID: 40270488025)

Hold Time:

The samples were analyzed within the method required hold times 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.

Internal Standards:

All internal standards were within QC limits 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:

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PROJECT NARRATIVE

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Method: EPA 300.0

Description: 300.0 IC Anions

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: November 20, 2023

General Information:

22 samples were analyzed for EPA 300.0 by Pace Analytical Services Green Bay. 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.

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:

Analyte Comments:

QC Batch: 460282

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 103123001 (Lab ID: 40270488001)
 - Sulfate

QC Batch: 460283

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- 110123013 (Lab ID: 40270488012)
 - Sulfate
- 110123014 (Lab ID: 40270488013)
 - Sulfate
- 110123015 (Lab ID: 40270488014)
 - Sulfate
- 110123017 (Lab ID: 40270488016)
 - Sulfate
- 110123022 (Lab ID: 40270488018)
 - Sulfate
- 110123023 (Lab ID: 40270488019)
 - Sulfate

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PROJECT NARRATIVE

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Method: EPA 310.2

Description: 310.2 Alkalinity

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: November 20, 2023

General Information:

22 samples were analyzed for EPA 310.2 by Pace Analytical Services Green Bay. 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.

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:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Method: EPA 353.2

Description: 353.2 Nitrogen, NO₂/NO₃ pres.

Client: O'Brien & Gere Engineers, Inc Integrys WI

Date: November 20, 2023

General Information:

22 samples were analyzed for EPA 353.2 by Pace Analytical Services Green Bay. 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.

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: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 103123001 Lab ID: 40270488001 Collected: 10/31/23 13:04 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	<0.58	ug/L	2.8	0.58	1		11/08/23 11:03	74-82-8	
6020B MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	11/03/23 05:18	11/10/23 07:25	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	11/03/23 05:18	11/10/23 07:25	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	11/03/23 05:18	11/10/23 07:25	7440-50-8	D3
Iron, Dissolved	<116	ug/L	500	116	2	11/03/23 05:18	11/10/23 07:25	7439-89-6	D3
Manganese, Dissolved	<2.4	ug/L	8.1	2.4	2	11/03/23 05:18	11/10/23 07:25	7439-96-5	D3
Nickel, Dissolved	<0.57	ug/L	2.0	0.57	2	11/03/23 05:18	11/10/23 07:25	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	11/03/23 05:18	11/10/23 07:25	7440-22-4	D3
Vanadium, Dissolved	<0.63	ug/L	2.1	0.63	2	11/03/23 05:18	11/10/23 07:25	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	11/03/23 05:18	11/10/23 07:25	7440-66-6	D3
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	<0.014	ug/L	0.050	0.014	1	11/03/23 09:35	11/07/23 16:35	83-32-9	
Acenaphthylene	<0.013	ug/L	0.050	0.013	1	11/03/23 09:35	11/07/23 16:35	208-96-8	
Anthracene	<0.019	ug/L	0.050	0.019	1	11/03/23 09:35	11/07/23 16:35	120-12-7	
Benzo(a)anthracene	<0.014	ug/L	0.050	0.014	1	11/03/23 09:35	11/07/23 16:35	56-55-3	
Benzo(a)pyrene	<0.013	ug/L	0.050	0.013	1	11/03/23 09:35	11/07/23 16:35	50-32-8	
Benzo(b)fluoranthene	<0.0092	ug/L	0.050	0.0092	1	11/03/23 09:35	11/07/23 16:35	205-99-2	
Benzo(g,h,i)perylene	<0.024	ug/L	0.050	0.024	1	11/03/23 09:35	11/07/23 16:35	191-24-2	
Benzo(k)fluoranthene	<0.023	ug/L	0.050	0.023	1	11/03/23 09:35	11/07/23 16:35	207-08-9	
Chrysene	<0.013	ug/L	0.050	0.013	1	11/03/23 09:35	11/07/23 16:35	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.050	0.018	1	11/03/23 09:35	11/07/23 16:35	53-70-3	
Fluoranthene	<0.026	ug/L	0.050	0.026	1	11/03/23 09:35	11/07/23 16:35	206-44-0	
Fluorene	<0.024	ug/L	0.050	0.024	1	11/03/23 09:35	11/07/23 16:35	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.050	0.016	1	11/03/23 09:35	11/07/23 16:35	193-39-5	
1-Methylnaphthalene	<0.018	ug/L	0.050	0.018	1	11/03/23 09:35	11/07/23 16:35	90-12-0	
2-Methylnaphthalene	<0.014	ug/L	0.050	0.014	1	11/03/23 09:35	11/07/23 16:35	91-57-6	
Naphthalene	0.052	ug/L	0.050	0.020	1	11/03/23 09:35	11/07/23 16:35	91-20-3	
Phenanthrene	<0.026	ug/L	0.050	0.026	1	11/03/23 09:35	11/07/23 16:35	85-01-8	
Pyrene	<0.023	ug/L	0.050	0.023	1	11/03/23 09:35	11/07/23 16:35	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	94	%	38-120		1	11/03/23 09:35	11/07/23 16:35	321-60-8	
Terphenyl-d14 (S)	127	%	47-121		1	11/03/23 09:35	11/07/23 16:35	1718-51-0	2q,S0
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		11/06/23 18:15	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/06/23 18:15	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/06/23 18:15	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/06/23 18:15	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/06/23 18:15	179601-23-1	

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 103123001 Lab ID: 40270488001 Collected: 10/31/23 13:04 Received: 11/02/23 09:50 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/06/23 18:15	95-47-6	
Surrogates									
Toluene-d8 (S)	105	%	70-130		1		11/06/23 18:15	2037-26-5	
4-Bromofluorobenzene (S)	108	%	70-130		1		11/06/23 18:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		11/06/23 18:15	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	73.6J	mg/L	100	22.2	50		11/16/23 07:14	14808-79-8	D3
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	309	mg/L	25.0	7.4	1		11/08/23 09:02		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	8.8	mg/L	0.50	0.12	2		11/16/23 15:45		

Sample: 103123002 Lab ID: 40270488002 Collected: 10/31/23 13:43 Received: 11/02/23 09:50 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	<0.58	ug/L	2.8	0.58	1		11/08/23 11:10	74-82-8	
6020B MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	11/03/23 05:18	11/10/23 07:36	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	11/03/23 05:18	11/10/23 07:36	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	11/03/23 05:18	11/10/23 07:36	7440-50-8	D3
Iron, Dissolved	<116	ug/L	500	116	2	11/03/23 05:18	11/10/23 07:36	7439-89-6	D3
Manganese, Dissolved	181	ug/L	8.1	2.4	2	11/03/23 05:18	11/10/23 07:36	7439-96-5	
Nickel, Dissolved	0.60J	ug/L	2.0	0.57	2	11/03/23 05:18	11/10/23 07:36	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	11/03/23 05:18	11/10/23 07:36	7440-22-4	D3
Vanadium, Dissolved	<0.63	ug/L	2.1	0.63	2	11/03/23 05:18	11/10/23 07:36	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	11/03/23 05:18	11/10/23 07:36	7440-66-6	D3
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	<0.014	ug/L	0.049	0.014	1	11/03/23 09:35	11/07/23 16:53	83-32-9	
Acenaphthylene	<0.012	ug/L	0.049	0.012	1	11/03/23 09:35	11/07/23 16:53	208-96-8	
Anthracene	<0.018	ug/L	0.049	0.018	1	11/03/23 09:35	11/07/23 16:53	120-12-7	

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 103123002 Lab ID: 40270488002 Collected: 10/31/23 13:43 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)anthracene	<0.013	ug/L	0.049	0.013	1	11/03/23 09:35	11/07/23 16:53	56-55-3	
Benzo(a)pyrene	<0.012	ug/L	0.049	0.012	1	11/03/23 09:35	11/07/23 16:53	50-32-8	
Benzo(b)fluoranthene	<0.0089	ug/L	0.049	0.0089	1	11/03/23 09:35	11/07/23 16:53	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.049	0.023	1	11/03/23 09:35	11/07/23 16:53	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.049	0.022	1	11/03/23 09:35	11/07/23 16:53	207-08-9	
Chrysene	<0.012	ug/L	0.049	0.012	1	11/03/23 09:35	11/07/23 16:53	218-01-9	
Dibenz(a,h)anthracene	<0.017	ug/L	0.049	0.017	1	11/03/23 09:35	11/07/23 16:53	53-70-3	
Fluoranthene	<0.026	ug/L	0.049	0.026	1	11/03/23 09:35	11/07/23 16:53	206-44-0	
Fluorene	<0.023	ug/L	0.049	0.023	1	11/03/23 09:35	11/07/23 16:53	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.049	0.015	1	11/03/23 09:35	11/07/23 16:53	193-39-5	
1-Methylnaphthalene	<0.018	ug/L	0.049	0.018	1	11/03/23 09:35	11/07/23 16:53	90-12-0	
2-Methylnaphthalene	<0.014	ug/L	0.049	0.014	1	11/03/23 09:35	11/07/23 16:53	91-57-6	
Naphthalene	0.036J	ug/L	0.049	0.020	1	11/03/23 09:35	11/07/23 16:53	91-20-3	
Phenanthrene	<0.025	ug/L	0.049	0.025	1	11/03/23 09:35	11/07/23 16:53	85-01-8	
Pyrene	<0.022	ug/L	0.049	0.022	1	11/03/23 09:35	11/07/23 16:53	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	94	%	38-120		1	11/03/23 09:35	11/07/23 16:53	321-60-8	
Terphenyl-d14 (S)	125	%	47-121		1	11/03/23 09:35	11/07/23 16:53	1718-51-0	2q,S3
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		11/06/23 18:34	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/06/23 18:34	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/06/23 18:34	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/06/23 18:34	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/06/23 18:34	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/06/23 18:34	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		11/06/23 18:34	2037-26-5	
4-Bromofluorobenzene (S)	106	%	70-130		1		11/06/23 18:34	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		11/06/23 18:34	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	52.9	mg/L	20.0	4.4	10		11/16/23 07:28	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	240	mg/L	25.0	7.4	1		11/08/23 09:03		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.25J	mg/L	0.25	0.059	1		11/16/23 12:41		

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 103123003 Lab ID: 40270488003 Collected: 10/31/23 14:11 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	41.5	ug/L	2.8	0.58	1		11/08/23 11:17	74-82-8	
6020B MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	11/03/23 05:18	11/10/23 07:56	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	11/03/23 05:18	11/10/23 07:56	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	11/03/23 05:18	11/10/23 07:56	7440-50-8	D3
Iron, Dissolved	<116	ug/L	500	116	2	11/03/23 05:18	11/10/23 07:56	7439-89-6	D3
Manganese, Dissolved	115	ug/L	8.1	2.4	2	11/03/23 05:18	11/10/23 07:56	7439-96-5	
Nickel, Dissolved	2.1	ug/L	2.0	0.57	2	11/03/23 05:18	11/10/23 07:56	7440-02-0	
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	11/03/23 05:18	11/10/23 07:56	7440-22-4	D3
Vanadium, Dissolved	<0.63	ug/L	2.1	0.63	2	11/03/23 05:18	11/10/23 07:56	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	11/03/23 05:18	11/10/23 07:56	7440-66-6	D3
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	0.096	ug/L	0.049	0.014	1	11/03/23 09:35	11/07/23 15:07	83-32-9	
Acenaphthylene	0.17	ug/L	0.049	0.012	1	11/03/23 09:35	11/07/23 15:07	208-96-8	
Anthracene	0.25	ug/L	0.049	0.018	1	11/03/23 09:35	11/07/23 15:07	120-12-7	
Benzo(a)anthracene	0.082	ug/L	0.049	0.013	1	11/03/23 09:35	11/07/23 15:07	56-55-3	
Benzo(a)pyrene	0.13	ug/L	0.049	0.012	1	11/03/23 09:35	11/07/23 15:07	50-32-8	
Benzo(b)fluoranthene	0.17	ug/L	0.049	0.0090	1	11/03/23 09:35	11/07/23 15:07	205-99-2	
Benzo(g,h,i)perylene	0.089	ug/L	0.049	0.023	1	11/03/23 09:35	11/07/23 15:07	191-24-2	
Benzo(k)fluoranthene	0.078	ug/L	0.049	0.022	1	11/03/23 09:35	11/07/23 15:07	207-08-9	
Chrysene	0.13	ug/L	0.049	0.012	1	11/03/23 09:35	11/07/23 15:07	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.049	0.018	1	11/03/23 09:35	11/07/23 15:07	53-70-3	
Fluoranthene	0.24	ug/L	0.049	0.026	1	11/03/23 09:35	11/07/23 15:07	206-44-0	
Fluorene	0.049J	ug/L	0.049	0.023	1	11/03/23 09:35	11/07/23 15:07	86-73-7	
Indeno(1,2,3-cd)pyrene	0.066	ug/L	0.049	0.015	1	11/03/23 09:35	11/07/23 15:07	193-39-5	
1-Methylnaphthalene	0.041J	ug/L	0.049	0.018	1	11/03/23 09:35	11/07/23 15:07	90-12-0	
2-Methylnaphthalene	<0.014	ug/L	0.049	0.014	1	11/03/23 09:35	11/07/23 15:07	91-57-6	
Naphthalene	0.049J	ug/L	0.049	0.020	1	11/03/23 09:35	11/07/23 15:07	91-20-3	
Phenanthrene	0.074	ug/L	0.049	0.025	1	11/03/23 09:35	11/07/23 15:07	85-01-8	
Pyrene	0.16	ug/L	0.049	0.022	1	11/03/23 09:35	11/07/23 15:07	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	86	%	38-120		1	11/03/23 09:35	11/07/23 15:07	321-60-8	
Terphenyl-d14 (S)	112	%	47-121		1	11/03/23 09:35	11/07/23 15:07	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	1.1	ug/L	1.0	0.30	1		11/06/23 18:53	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/06/23 18:53	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/06/23 18:53	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/06/23 18:53	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/06/23 18:53	179601-23-1	

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 103123003 Lab ID: 40270488003 Collected: 10/31/23 14:11 Received: 11/02/23 09:50 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/06/23 18:53	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1		11/06/23 18:53	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130		1		11/06/23 18:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	109	%	70-130		1		11/06/23 18:53	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	41.5	mg/L	20.0	4.4	10		11/16/23 07:43	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	361	mg/L	25.0	7.4	1		11/08/23 09:04		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.25	mg/L	0.25	0.059	1		11/16/23 12:41		

Sample: 103123004 Lab ID: 40270488004 Collected: 10/31/23 15:12 Received: 11/02/23 09:50 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	282	ug/L	5.6	1.2	2		11/08/23 14:19	74-82-8	M1
6020B MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	11/03/23 05:18	11/10/23 07:05	7429-90-5	D3
Antimony, Dissolved	1.8J	ug/L	2.0	0.30	2	11/03/23 05:18	11/10/23 07:05	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	11/03/23 05:18	11/10/23 07:05	7440-50-8	D3
Iron, Dissolved	1290	ug/L	500	116	2	11/03/23 05:18	11/10/23 07:05	7439-89-6	
Manganese, Dissolved	954	ug/L	8.1	2.4	2	11/03/23 05:18	11/10/23 07:05	7439-96-5	
Nickel, Dissolved	2.6	ug/L	2.0	0.57	2	11/03/23 05:18	11/10/23 07:05	7440-02-0	
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	11/03/23 05:18	11/10/23 07:05	7440-22-4	D3
Vanadium, Dissolved	2.1J	ug/L	2.1	0.63	2	11/03/23 05:18	11/10/23 07:05	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	11/03/23 05:18	11/10/23 07:05	7440-66-6	D3
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	7.2	ug/L	0.10	0.029	2	11/03/23 09:35	11/07/23 20:15	83-32-9	M1
Acenaphthylene	0.25	ug/L	0.10	0.026	2	11/03/23 09:35	11/07/23 20:15	208-96-8	
Anthracene	0.18	ug/L	0.10	0.038	2	11/03/23 09:35	11/07/23 20:15	120-12-7	

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 103123004 Lab ID: 40270488004 Collected: 10/31/23 15:12 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)anthracene	<0.028	ug/L	0.10	0.028	2	11/03/23 09:35	11/07/23 20:15	56-55-3	
Benzo(a)pyrene	<0.026	ug/L	0.10	0.026	2	11/03/23 09:35	11/07/23 20:15	50-32-8	
Benzo(b)fluoranthene	<0.019	ug/L	0.10	0.019	2	11/03/23 09:35	11/07/23 20:15	205-99-2	
Benzo(g,h,i)perylene	<0.048	ug/L	0.10	0.048	2	11/03/23 09:35	11/07/23 20:15	191-24-2	
Benzo(k)fluoranthene	<0.046	ug/L	0.10	0.046	2	11/03/23 09:35	11/07/23 20:15	207-08-9	
Chrysene	<0.026	ug/L	0.10	0.026	2	11/03/23 09:35	11/07/23 20:15	218-01-9	
Dibenz(a,h)anthracene	<0.037	ug/L	0.10	0.037	2	11/03/23 09:35	11/07/23 20:15	53-70-3	
Fluoranthene	<0.054	ug/L	0.10	0.054	2	11/03/23 09:35	11/07/23 20:15	206-44-0	
Fluorene	0.62	ug/L	0.10	0.048	2	11/03/23 09:35	11/07/23 20:15	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.032	ug/L	0.10	0.032	2	11/03/23 09:35	11/07/23 20:15	193-39-5	
1-Methylnaphthalene	4.9	ug/L	0.10	0.037	2	11/03/23 09:35	11/07/23 20:15	90-12-0	M1
2-Methylnaphthalene	<0.028	ug/L	0.10	0.028	2	11/03/23 09:35	11/07/23 20:15	91-57-6	
Naphthalene	13.3	ug/L	0.10	0.041	2	11/03/23 09:35	11/07/23 20:15	91-20-3	D3,M1
Phenanthrene	0.069J	ug/L	0.10	0.053	2	11/03/23 09:35	11/07/23 20:15	85-01-8	
Pyrene	<0.046	ug/L	0.10	0.046	2	11/03/23 09:35	11/07/23 20:15	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	88	%	38-120		2	11/03/23 09:35	11/07/23 20:15	321-60-8	
Terphenyl-d14 (S)	108	%	47-121		2	11/03/23 09:35	11/07/23 20:15	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	37.0	ug/L	1.0	0.30	1		11/06/23 13:42	71-43-2	
Ethylbenzene	2.9	ug/L	1.0	0.33	1		11/06/23 13:42	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/06/23 13:42	108-88-3	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/06/23 13:42	179601-23-1	
o-Xylene	1.9	ug/L	1.0	0.35	1		11/06/23 13:42	95-47-6	
Surrogates									
Toluene-d8 (S)	104	%	70-130		1		11/06/23 13:42	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130		1		11/06/23 13:42	460-00-4	
1,2-Dichlorobenzene-d4 (S)	113	%	70-130		1		11/06/23 13:42	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	76.1	mg/L	10.0	2.2	5		11/16/23 07:57	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	484	mg/L	50.0	14.9	2		11/08/23 09:45		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		11/17/23 07:14		

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 103123005 Lab ID: 40270488005 Collected: 10/31/23 16:24 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	33.9	ug/L	2.8	0.58	1		11/08/23 11:31	74-82-8	
6020B MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	11/03/23 05:18	11/10/23 08:01	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	11/03/23 05:18	11/10/23 08:01	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	11/03/23 05:18	11/10/23 08:01	7440-50-8	D3
Iron, Dissolved	533	ug/L	500	116	2	11/03/23 05:18	11/10/23 08:01	7439-89-6	
Manganese, Dissolved	246	ug/L	8.1	2.4	2	11/03/23 05:18	11/10/23 08:01	7439-96-5	
Nickel, Dissolved	11.1	ug/L	2.0	0.57	2	11/03/23 05:18	11/10/23 08:01	7440-02-0	
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	11/03/23 05:18	11/10/23 08:01	7440-22-4	D3
Vanadium, Dissolved	<0.63	ug/L	2.1	0.63	2	11/03/23 05:18	11/10/23 08:01	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	11/03/23 05:18	11/10/23 08:01	7440-66-6	D3
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	1.1	ug/L	0.048	0.013	1	11/03/23 09:35	11/07/23 15:24	83-32-9	
Acenaphthylene	0.072	ug/L	0.048	0.012	1	11/03/23 09:35	11/07/23 15:24	208-96-8	
Anthracene	0.048	ug/L	0.048	0.018	1	11/03/23 09:35	11/07/23 15:24	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.048	0.013	1	11/03/23 09:35	11/07/23 15:24	56-55-3	
Benzo(a)pyrene	<0.012	ug/L	0.048	0.012	1	11/03/23 09:35	11/07/23 15:24	50-32-8	
Benzo(b)fluoranthene	0.020J	ug/L	0.048	0.0088	1	11/03/23 09:35	11/07/23 15:24	205-99-2	
Benzo(g,h,i)perylene	<0.022	ug/L	0.048	0.022	1	11/03/23 09:35	11/07/23 15:24	191-24-2	
Benzo(k)fluoranthene	<0.021	ug/L	0.048	0.021	1	11/03/23 09:35	11/07/23 15:24	207-08-9	
Chrysene	0.022J	ug/L	0.048	0.012	1	11/03/23 09:35	11/07/23 15:24	218-01-9	
Dibenz(a,h)anthracene	<0.017	ug/L	0.048	0.017	1	11/03/23 09:35	11/07/23 15:24	53-70-3	
Fluoranthene	0.29	ug/L	0.048	0.025	1	11/03/23 09:35	11/07/23 15:24	206-44-0	
Fluorene	0.052	ug/L	0.048	0.023	1	11/03/23 09:35	11/07/23 15:24	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.048	0.015	1	11/03/23 09:35	11/07/23 15:24	193-39-5	
1-Methylnaphthalene	<0.017	ug/L	0.048	0.017	1	11/03/23 09:35	11/07/23 15:24	90-12-0	
2-Methylnaphthalene	<0.013	ug/L	0.048	0.013	1	11/03/23 09:35	11/07/23 15:24	91-57-6	
Naphthalene	0.035J	ug/L	0.048	0.019	1	11/03/23 09:35	11/07/23 15:24	91-20-3	
Phenanthrene	0.025J	ug/L	0.048	0.025	1	11/03/23 09:35	11/07/23 15:24	85-01-8	
Pyrene	0.25	ug/L	0.048	0.022	1	11/03/23 09:35	11/07/23 15:24	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	89	%	38-120		1	11/03/23 09:35	11/07/23 15:24	321-60-8	
Terphenyl-d14 (S)	113	%	47-121		1	11/03/23 09:35	11/07/23 15:24	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		11/06/23 19:11	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/06/23 19:11	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/06/23 19:11	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/06/23 19:11	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/06/23 19:11	179601-23-1	

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 103123005 Lab ID: 40270488005 Collected: 10/31/23 16:24 Received: 11/02/23 09:50 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/06/23 19:11	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1		11/06/23 19:11	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130		1		11/06/23 19:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		11/06/23 19:11	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	13.1	mg/L	2.0	0.44	1		11/16/23 09:23	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	390	mg/L	25.0	7.4	1		11/08/23 09:11		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		11/16/23 12:43		

Sample: 103123006 Lab ID: 40270488006 Collected: 10/31/23 16:55 Received: 11/02/23 09:50 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	128	ug/L	2.8	0.58	1		11/08/23 11:39	74-82-8	
6020B MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	11/03/23 05:18	11/10/23 08:07	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	11/03/23 05:18	11/10/23 08:07	7440-36-0	D3
Copper, Dissolved	27.0	ug/L	12.7	3.8	2	11/03/23 05:18	11/10/23 08:07	7440-50-8	
Iron, Dissolved	7280	ug/L	500	116	2	11/03/23 05:18	11/10/23 08:07	7439-89-6	
Manganese, Dissolved	3660	ug/L	8.1	2.4	2	11/03/23 05:18	11/10/23 08:07	7439-96-5	
Nickel, Dissolved	12.3	ug/L	2.0	0.57	2	11/03/23 05:18	11/10/23 08:07	7440-02-0	
Silver, Dissolved	0.41J	ug/L	1.0	0.25	2	11/03/23 05:18	11/10/23 08:07	7440-22-4	D3
Vanadium, Dissolved	0.75J	ug/L	2.1	0.63	2	11/03/23 05:18	11/10/23 08:07	7440-62-2	D3
Zinc, Dissolved	124	ug/L	68.9	20.7	2	11/03/23 05:18	11/10/23 08:07	7440-66-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	<0.014	ug/L	0.050	0.014	1	11/03/23 09:35	11/07/23 15:42	83-32-9	
Acenaphthylene	<0.013	ug/L	0.050	0.013	1	11/03/23 09:35	11/07/23 15:42	208-96-8	
Anthracene	<0.018	ug/L	0.050	0.018	1	11/03/23 09:35	11/07/23 15:42	120-12-7	

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 103123006 **Lab ID: 40270488006** Collected: 10/31/23 16:55 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)anthracene	<0.014	ug/L	0.050	0.014	1	11/03/23 09:35	11/07/23 15:42	56-55-3	
Benzo(a)pyrene	<0.013	ug/L	0.050	0.013	1	11/03/23 09:35	11/07/23 15:42	50-32-8	
Benzo(b)fluoranthene	<0.0090	ug/L	0.050	0.0090	1	11/03/23 09:35	11/07/23 15:42	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.050	0.023	1	11/03/23 09:35	11/07/23 15:42	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.050	0.022	1	11/03/23 09:35	11/07/23 15:42	207-08-9	
Chrysene	0.015J	ug/L	0.050	0.013	1	11/03/23 09:35	11/07/23 15:42	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.050	0.018	1	11/03/23 09:35	11/07/23 15:42	53-70-3	
Fluoranthene	<0.026	ug/L	0.050	0.026	1	11/03/23 09:35	11/07/23 15:42	206-44-0	
Fluorene	<0.023	ug/L	0.050	0.023	1	11/03/23 09:35	11/07/23 15:42	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.050	0.015	1	11/03/23 09:35	11/07/23 15:42	193-39-5	
1-Methylnaphthalene	<0.018	ug/L	0.050	0.018	1	11/03/23 09:35	11/07/23 15:42	90-12-0	
2-Methylnaphthalene	<0.014	ug/L	0.050	0.014	1	11/03/23 09:35	11/07/23 15:42	91-57-6	
Naphthalene	0.066	ug/L	0.050	0.020	1	11/03/23 09:35	11/07/23 15:42	91-20-3	
Phenanthrene	<0.025	ug/L	0.050	0.025	1	11/03/23 09:35	11/07/23 15:42	85-01-8	
Pyrene	<0.022	ug/L	0.050	0.022	1	11/03/23 09:35	11/07/23 15:42	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	102	%	38-120		1	11/03/23 09:35	11/07/23 15:42	321-60-8	
Terphenyl-d14 (S)	128	%	47-121		1	11/03/23 09:35	11/07/23 15:42	1718-51-0	2q,S0
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		11/06/23 15:33	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/06/23 15:33	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/06/23 15:33	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/06/23 15:33	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/06/23 15:33	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/06/23 15:33	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1		11/06/23 15:33	2037-26-5	
4-Bromofluorobenzene (S)	104	%	70-130		1		11/06/23 15:33	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		11/06/23 15:33	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	273	mg/L	40.0	8.9	20		11/16/23 09:38	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	697	mg/L	50.0	14.9	2		11/08/23 09:51		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.48	mg/L	0.25	0.059	1		11/16/23 12:44		

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 103123007 Lab ID: 40270488007 Collected: 10/31/23 17:00 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	84.2	ug/L	2.8	0.58	1		11/08/23 11:45	74-82-8	
6020B MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	11/03/23 05:18	11/10/23 08:12	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	11/03/23 05:18	11/10/23 08:12	7440-36-0	D3
Copper, Dissolved	23.0	ug/L	12.7	3.8	2	11/03/23 05:18	11/10/23 08:12	7440-50-8	
Iron, Dissolved	7050	ug/L	500	116	2	11/03/23 05:18	11/10/23 08:12	7439-89-6	
Manganese, Dissolved	3730	ug/L	8.1	2.4	2	11/03/23 05:18	11/10/23 08:12	7439-96-5	
Nickel, Dissolved	12.5	ug/L	2.0	0.57	2	11/03/23 05:18	11/10/23 08:12	7440-02-0	
Silver, Dissolved	0.37J	ug/L	1.0	0.25	2	11/03/23 05:18	11/10/23 08:12	7440-22-4	D3
Vanadium, Dissolved	0.74J	ug/L	2.1	0.63	2	11/03/23 05:18	11/10/23 08:12	7440-62-2	D3
Zinc, Dissolved	123	ug/L	68.9	20.7	2	11/03/23 05:18	11/10/23 08:12	7440-66-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	<0.014	ug/L	0.049	0.014	1	11/03/23 09:35	11/06/23 12:12	83-32-9	
Acenaphthylene	<0.012	ug/L	0.049	0.012	1	11/03/23 09:35	11/06/23 12:12	208-96-8	
Anthracene	0.036J	ug/L	0.049	0.018	1	11/03/23 09:35	11/06/23 12:12	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.049	0.013	1	11/03/23 09:35	11/06/23 12:12	56-55-3	
Benzo(a)pyrene	<0.012	ug/L	0.049	0.012	1	11/03/23 09:35	11/06/23 12:12	50-32-8	
Benzo(b)fluoranthene	<0.0089	ug/L	0.049	0.0089	1	11/03/23 09:35	11/06/23 12:12	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.049	0.023	1	11/03/23 09:35	11/06/23 12:12	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.049	0.022	1	11/03/23 09:35	11/06/23 12:12	207-08-9	
Chrysene	<0.012	ug/L	0.049	0.012	1	11/03/23 09:35	11/06/23 12:12	218-01-9	
Dibenz(a,h)anthracene	<0.017	ug/L	0.049	0.017	1	11/03/23 09:35	11/06/23 12:12	53-70-3	
Fluoranthene	<0.025	ug/L	0.049	0.025	1	11/03/23 09:35	11/06/23 12:12	206-44-0	
Fluorene	<0.023	ug/L	0.049	0.023	1	11/03/23 09:35	11/06/23 12:12	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.049	0.015	1	11/03/23 09:35	11/06/23 12:12	193-39-5	
1-Methylnaphthalene	<0.017	ug/L	0.049	0.017	1	11/03/23 09:35	11/06/23 12:12	90-12-0	
2-Methylnaphthalene	<0.013	ug/L	0.049	0.013	1	11/03/23 09:35	11/06/23 12:12	91-57-6	
Naphthalene	0.029J	ug/L	0.049	0.019	1	11/03/23 09:35	11/06/23 12:12	91-20-3	
Phenanthrene	<0.025	ug/L	0.049	0.025	1	11/03/23 09:35	11/06/23 12:12	85-01-8	
Pyrene	<0.022	ug/L	0.049	0.022	1	11/03/23 09:35	11/06/23 12:12	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	101	%	38-120		1	11/03/23 09:35	11/06/23 12:12	321-60-8	
Terphenyl-d14 (S)	121	%	47-121		1	11/03/23 09:35	11/06/23 12:12	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		11/06/23 17:19	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/06/23 17:19	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/06/23 17:19	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/06/23 17:19	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/06/23 17:19	179601-23-1	

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 103123007 Lab ID: 40270488007 Collected: 10/31/23 17:00 Received: 11/02/23 09:50 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/06/23 17:19	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		11/06/23 17:19	2037-26-5	
4-Bromofluorobenzene (S)	109	%	70-130		1		11/06/23 17:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	109	%	70-130		1		11/06/23 17:19	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	263	mg/L	40.0	8.9	20		11/16/23 09:52	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	703	mg/L	50.0	14.9	2		11/08/23 09:52		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.44	mg/L	0.25	0.059	1		11/16/23 12:47		

Sample: 103123008 Lab ID: 40270488008 Collected: 10/31/23 17:30 Received: 11/02/23 09:50 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	<0.58	ug/L	2.8	0.58	1		11/08/23 11:53	74-82-8	
6020B MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<58.7	ug/L	250	58.7	1	11/03/23 05:18	11/13/23 12:01	7429-90-5	
Antimony, Dissolved	<0.15	ug/L	1.0	0.15	1	11/03/23 05:18	11/13/23 12:01	7440-36-0	
Copper, Dissolved	<1.9	ug/L	6.4	1.9	1	11/03/23 05:18	11/13/23 12:01	7440-50-8	
Iron, Dissolved	<58.0	ug/L	250	58.0	1	11/03/23 05:18	11/13/23 12:01	7439-89-6	
Manganese, Dissolved	<1.2	ug/L	4.0	1.2	1	11/03/23 05:18	11/13/23 12:01	7439-96-5	
Nickel, Dissolved	<0.28	ug/L	1.0	0.28	1	11/03/23 05:18	11/13/23 12:01	7440-02-0	
Silver, Dissolved	<0.13	ug/L	0.50	0.13	1	11/03/23 05:18	11/13/23 12:01	7440-22-4	
Vanadium, Dissolved	<0.32	ug/L	1.0	0.32	1	11/03/23 05:18	11/13/23 12:01	7440-62-2	
Zinc, Dissolved	<10.3	ug/L	34.4	10.3	1	11/03/23 05:18	11/13/23 12:01	7440-66-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	0.024J	ug/L	0.046	0.013	1	11/03/23 09:35	11/06/23 12:29	83-32-9	
Acenaphthylene	<0.012	ug/L	0.046	0.012	1	11/03/23 09:35	11/06/23 12:29	208-96-8	
Anthracene	0.030J	ug/L	0.046	0.017	1	11/03/23 09:35	11/06/23 12:29	120-12-7	

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 103123008 Lab ID: 40270488008 Collected: 10/31/23 17:30 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)anthracene	<0.013	ug/L	0.046	0.013	1	11/03/23 09:35	11/06/23 12:29	56-55-3	
Benzo(a)pyrene	<0.012	ug/L	0.046	0.012	1	11/03/23 09:35	11/06/23 12:29	50-32-8	
Benzo(b)fluoranthene	<0.0084	ug/L	0.046	0.0084	1	11/03/23 09:35	11/06/23 12:29	205-99-2	
Benzo(g,h,i)perylene	<0.021	ug/L	0.046	0.021	1	11/03/23 09:35	11/06/23 12:29	191-24-2	
Benzo(k)fluoranthene	<0.021	ug/L	0.046	0.021	1	11/03/23 09:35	11/06/23 12:29	207-08-9	
Chrysene	<0.012	ug/L	0.046	0.012	1	11/03/23 09:35	11/06/23 12:29	218-01-9	
Dibenz(a,h)anthracene	<0.016	ug/L	0.046	0.016	1	11/03/23 09:35	11/06/23 12:29	53-70-3	
Fluoranthene	<0.024	ug/L	0.046	0.024	1	11/03/23 09:35	11/06/23 12:29	206-44-0	
Fluorene	<0.022	ug/L	0.046	0.022	1	11/03/23 09:35	11/06/23 12:29	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.014	ug/L	0.046	0.014	1	11/03/23 09:35	11/06/23 12:29	193-39-5	
1-Methylnaphthalene	0.024J	ug/L	0.046	0.016	1	11/03/23 09:35	11/06/23 12:29	90-12-0	
2-Methylnaphthalene	0.034J	ug/L	0.046	0.013	1	11/03/23 09:35	11/06/23 12:29	91-57-6	
Naphthalene	0.11	ug/L	0.046	0.018	1	11/03/23 09:35	11/06/23 12:29	91-20-3	
Phenanthrene	0.033J	ug/L	0.046	0.024	1	11/03/23 09:35	11/06/23 12:29	85-01-8	
Pyrene	<0.021	ug/L	0.046	0.021	1	11/03/23 09:35	11/06/23 12:29	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	97	%	38-120		1	11/03/23 09:35	11/06/23 12:29	321-60-8	
Terphenyl-d14 (S)	123	%	47-121		1	11/03/23 09:35	11/06/23 12:29	1718-51-0	1q,S0
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		11/06/23 19:30	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/06/23 19:30	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/06/23 19:30	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/06/23 19:30	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/06/23 19:30	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/06/23 19:30	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		11/06/23 19:30	2037-26-5	
4-Bromofluorobenzene (S)	108	%	70-130		1		11/06/23 19:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		11/06/23 19:30	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	<0.44	mg/L	2.0	0.44	1		11/16/23 10:06	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	<7.4	mg/L	25.0	7.4	1		11/08/23 09:14		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		11/16/23 12:47		

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 110123009 Lab ID: 40270488009 Collected: 11/01/23 07:59 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	3080	ug/L	112	23.0	40		11/08/23 14:26	74-82-8	
6020B MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	11/03/23 05:18	11/10/23 08:22	7429-90-5	D3
Antimony, Dissolved	1.3J	ug/L	2.0	0.30	2	11/03/23 05:18	11/10/23 08:22	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	11/03/23 05:18	11/10/23 08:22	7440-50-8	D3
Iron, Dissolved	5760	ug/L	500	116	2	11/03/23 05:18	11/10/23 08:22	7439-89-6	
Manganese, Dissolved	412	ug/L	8.1	2.4	2	11/03/23 05:18	11/10/23 08:22	7439-96-5	
Nickel, Dissolved	2.3	ug/L	2.0	0.57	2	11/03/23 05:18	11/10/23 08:22	7440-02-0	
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	11/03/23 05:18	11/10/23 08:22	7440-22-4	D3
Vanadium, Dissolved	1.4J	ug/L	2.1	0.63	2	11/03/23 05:18	11/10/23 08:22	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	11/03/23 05:18	11/10/23 08:22	7440-66-6	D3
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	0.12	ug/L	0.049	0.014	1	11/03/23 09:35	11/07/23 15:59	83-32-9	
Acenaphthylene	0.019J	ug/L	0.049	0.012	1	11/03/23 09:35	11/07/23 15:59	208-96-8	
Anthracene	0.068	ug/L	0.049	0.018	1	11/03/23 09:35	11/07/23 15:59	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.049	0.013	1	11/03/23 09:35	11/07/23 15:59	56-55-3	
Benzo(a)pyrene	<0.013	ug/L	0.049	0.013	1	11/03/23 09:35	11/07/23 15:59	50-32-8	
Benzo(b)fluoranthene	<0.0090	ug/L	0.049	0.0090	1	11/03/23 09:35	11/07/23 15:59	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.049	0.023	1	11/03/23 09:35	11/07/23 15:59	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.049	0.022	1	11/03/23 09:35	11/07/23 15:59	207-08-9	
Chrysene	<0.012	ug/L	0.049	0.012	1	11/03/23 09:35	11/07/23 15:59	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.049	0.018	1	11/03/23 09:35	11/07/23 15:59	53-70-3	
Fluoranthene	0.040J	ug/L	0.049	0.026	1	11/03/23 09:35	11/07/23 15:59	206-44-0	
Fluorene	0.056	ug/L	0.049	0.023	1	11/03/23 09:35	11/07/23 15:59	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.049	0.015	1	11/03/23 09:35	11/07/23 15:59	193-39-5	
1-Methylnaphthalene	0.10	ug/L	0.049	0.018	1	11/03/23 09:35	11/07/23 15:59	90-12-0	
2-Methylnaphthalene	0.023J	ug/L	0.049	0.014	1	11/03/23 09:35	11/07/23 15:59	91-57-6	
Naphthalene	0.80	ug/L	0.049	0.020	1	11/03/23 09:35	11/07/23 15:59	91-20-3	
Phenanthrene	<0.025	ug/L	0.049	0.025	1	11/03/23 09:35	11/07/23 15:59	85-01-8	
Pyrene	<0.022	ug/L	0.049	0.022	1	11/03/23 09:35	11/07/23 15:59	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	98	%	38-120		1	11/03/23 09:35	11/07/23 15:59	321-60-8	
Terphenyl-d14 (S)	125	%	47-121		1	11/03/23 09:35	11/07/23 15:59	1718-51-0	2q,S0
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		11/07/23 16:11	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/07/23 16:11	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/07/23 16:11	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/07/23 16:11	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/07/23 16:11	179601-23-1	

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 110123009 Lab ID: 40270488009 Collected: 11/01/23 07:59 Received: 11/02/23 09:50 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/07/23 16:11	95-47-6	
Surrogates									
Toluene-d8 (S)	105	%	70-130		1		11/07/23 16:11	2037-26-5	
4-Bromofluorobenzene (S)	108	%	70-130		1		11/07/23 16:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		11/07/23 16:11	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	42.8	mg/L	2.0	0.44	1		11/16/23 10:21	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	305	mg/L	25.0	7.4	1		11/14/23 14:16		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	1.8	mg/L	0.25	0.059	1		11/16/23 12:48		

Sample: 110123010 Lab ID: 40270488010 Collected: 11/01/23 08:39 Received: 11/02/23 09:50 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	962	ug/L	28.0	5.8	10		11/08/23 14:33	74-82-8	
6020B MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	11/03/23 05:18	11/10/23 08:27	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	11/03/23 05:18	11/10/23 08:27	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	11/03/23 05:18	11/10/23 08:27	7440-50-8	D3
Iron, Dissolved	6380	ug/L	500	116	2	11/03/23 05:18	11/10/23 08:27	7439-89-6	
Manganese, Dissolved	648	ug/L	8.1	2.4	2	11/03/23 05:18	11/10/23 08:27	7439-96-5	
Nickel, Dissolved	1.5J	ug/L	2.0	0.57	2	11/03/23 05:18	11/10/23 08:27	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	11/03/23 05:18	11/10/23 08:27	7440-22-4	D3
Vanadium, Dissolved	1.3J	ug/L	2.1	0.63	2	11/03/23 05:18	11/10/23 08:27	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	11/03/23 05:18	11/10/23 08:27	7440-66-6	D3
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	0.10	ug/L	0.051	0.014	1	11/03/23 09:35	11/07/23 16:17	83-32-9	
Acenaphthylene	0.026J	ug/L	0.051	0.013	1	11/03/23 09:35	11/07/23 16:17	208-96-8	
Anthracene	0.066	ug/L	0.051	0.019	1	11/03/23 09:35	11/07/23 16:17	120-12-7	

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 110123010 Lab ID: 40270488010 Collected: 11/01/23 08:39 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)anthracene	<0.014	ug/L	0.051	0.014	1	11/03/23 09:35	11/07/23 16:17	56-55-3	
Benzo(a)pyrene	<0.013	ug/L	0.051	0.013	1	11/03/23 09:35	11/07/23 16:17	50-32-8	
Benzo(b)fluoranthene	<0.0093	ug/L	0.051	0.0093	1	11/03/23 09:35	11/07/23 16:17	205-99-2	
Benzo(g,h,i)perylene	<0.024	ug/L	0.051	0.024	1	11/03/23 09:35	11/07/23 16:17	191-24-2	
Benzo(k)fluoranthene	<0.023	ug/L	0.051	0.023	1	11/03/23 09:35	11/07/23 16:17	207-08-9	
Chrysene	0.016J	ug/L	0.051	0.013	1	11/03/23 09:35	11/07/23 16:17	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.051	0.018	1	11/03/23 09:35	11/07/23 16:17	53-70-3	
Fluoranthene	<0.027	ug/L	0.051	0.027	1	11/03/23 09:35	11/07/23 16:17	206-44-0	
Fluorene	<0.024	ug/L	0.051	0.024	1	11/03/23 09:35	11/07/23 16:17	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.051	0.016	1	11/03/23 09:35	11/07/23 16:17	193-39-5	
1-Methylnaphthalene	<0.018	ug/L	0.051	0.018	1	11/03/23 09:35	11/07/23 16:17	90-12-0	
2-Methylnaphthalene	<0.014	ug/L	0.051	0.014	1	11/03/23 09:35	11/07/23 16:17	91-57-6	
Naphthalene	0.031J	ug/L	0.051	0.020	1	11/03/23 09:35	11/07/23 16:17	91-20-3	
Phenanthrene	<0.026	ug/L	0.051	0.026	1	11/03/23 09:35	11/07/23 16:17	85-01-8	
Pyrene	0.051	ug/L	0.051	0.023	1	11/03/23 09:35	11/07/23 16:17	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	91	%	38-120		1	11/03/23 09:35	11/07/23 16:17	321-60-8	
Terphenyl-d14 (S)	124	%	47-121		1	11/03/23 09:35	11/07/23 16:17	1718-51-0	2q,S0
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		11/06/23 17:57	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/06/23 17:57	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/06/23 17:57	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/06/23 17:57	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/06/23 17:57	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/06/23 17:57	95-47-6	
Surrogates									
Toluene-d8 (S)	104	%	70-130		1		11/06/23 17:57	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130		1		11/06/23 17:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		11/06/23 17:57	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	20.4	mg/L	10.0	2.2	5		11/17/23 10:28	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	434	mg/L	25.0	7.4	1		11/14/23 14:17		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		11/16/23 12:49		

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 110123012 Lab ID: 40270488011 Collected: 11/01/23 09:56 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	<0.58	ug/L	2.8	0.58	1		11/08/23 12:28	74-82-8	
6020B MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	11/03/23 05:18	11/10/23 08:32	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	11/03/23 05:18	11/10/23 08:32	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	11/03/23 05:18	11/10/23 08:32	7440-50-8	D3
Iron, Dissolved	<116	ug/L	500	116	2	11/03/23 05:18	11/10/23 08:32	7439-89-6	D3
Manganese, Dissolved	4250	ug/L	8.1	2.4	2	11/03/23 05:18	11/10/23 08:32	7439-96-5	
Nickel, Dissolved	3.7	ug/L	2.0	0.57	2	11/03/23 05:18	11/10/23 08:32	7440-02-0	
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	11/03/23 05:18	11/10/23 08:32	7440-22-4	D3
Vanadium, Dissolved	<0.63	ug/L	2.1	0.63	2	11/03/23 05:18	11/10/23 08:32	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	11/03/23 05:18	11/10/23 08:32	7440-66-6	D3
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	<0.013	ug/L	0.048	0.013	1	11/06/23 12:14	11/08/23 21:20	83-32-9	
Acenaphthylene	<0.012	ug/L	0.048	0.012	1	11/06/23 12:14	11/08/23 21:20	208-96-8	
Anthracene	<0.018	ug/L	0.048	0.018	1	11/06/23 12:14	11/08/23 21:20	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.048	0.013	1	11/06/23 12:14	11/08/23 21:20	56-55-3	
Benzo(a)pyrene	<0.012	ug/L	0.048	0.012	1	11/06/23 12:14	11/08/23 21:20	50-32-8	
Benzo(b)fluoranthene	<0.0087	ug/L	0.048	0.0087	1	11/06/23 12:14	11/08/23 21:20	205-99-2	
Benzo(g,h,i)perylene	<0.022	ug/L	0.048	0.022	1	11/06/23 12:14	11/08/23 21:20	191-24-2	
Benzo(k)fluoranthene	<0.021	ug/L	0.048	0.021	1	11/06/23 12:14	11/08/23 21:20	207-08-9	
Chrysene	<0.012	ug/L	0.048	0.012	1	11/06/23 12:14	11/08/23 21:20	218-01-9	
Dibenz(a,h)anthracene	<0.017	ug/L	0.048	0.017	1	11/06/23 12:14	11/08/23 21:20	53-70-3	
Fluoranthene	<0.025	ug/L	0.048	0.025	1	11/06/23 12:14	11/08/23 21:20	206-44-0	
Fluorene	<0.023	ug/L	0.048	0.023	1	11/06/23 12:14	11/08/23 21:20	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.048	0.015	1	11/06/23 12:14	11/08/23 21:20	193-39-5	
1-Methylnaphthalene	<0.017	ug/L	0.048	0.017	1	11/06/23 12:14	11/08/23 21:20	90-12-0	
2-Methylnaphthalene	<0.013	ug/L	0.048	0.013	1	11/06/23 12:14	11/08/23 21:20	91-57-6	
Naphthalene	<0.019	ug/L	0.048	0.019	1	11/06/23 12:14	11/08/23 21:20	91-20-3	
Phenanthrene	<0.025	ug/L	0.048	0.025	1	11/06/23 12:14	11/08/23 21:20	85-01-8	
Pyrene	<0.022	ug/L	0.048	0.022	1	11/06/23 12:14	11/08/23 21:20	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	89	%	38-120		1	11/06/23 12:14	11/08/23 21:20	321-60-8	
Terphenyl-d14 (S)	111	%	47-121		1	11/06/23 12:14	11/08/23 21:20	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		11/06/23 19:49	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/06/23 19:49	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/06/23 19:49	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/06/23 19:49	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/06/23 19:49	179601-23-1	

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 110123012 Lab ID: 40270488011 Collected: 11/01/23 09:56 Received: 11/02/23 09:50 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/06/23 19:49	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1		11/06/23 19:49	2037-26-5	
4-Bromofluorobenzene (S)	108	%	70-130		1		11/06/23 19:49	460-00-4	
1,2-Dichlorobenzene-d4 (S)	114	%	70-130		1		11/06/23 19:49	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	114	mg/L	20.0	4.4	10		11/17/23 11:11	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	264	mg/L	25.0	7.4	1		11/14/23 14:22		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.35	mg/L	0.25	0.059	1		11/16/23 12:50		

Sample: 110123013 Lab ID: 40270488012 Collected: 11/01/23 10:49 Received: 11/02/23 09:50 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	7130	ug/L	140	28.8	50		11/08/23 14:40	74-82-8	
6020B MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	11/03/23 05:18	11/10/23 08:38	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	11/03/23 05:18	11/10/23 08:38	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	11/03/23 05:18	11/10/23 08:38	7440-50-8	D3
Iron, Dissolved	8090	ug/L	500	116	2	11/03/23 05:18	11/10/23 08:38	7439-89-6	
Manganese, Dissolved	690	ug/L	8.1	2.4	2	11/03/23 05:18	11/10/23 08:38	7439-96-5	
Nickel, Dissolved	<0.57	ug/L	2.0	0.57	2	11/03/23 05:18	11/10/23 08:38	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	11/03/23 05:18	11/10/23 08:38	7440-22-4	D3
Vanadium, Dissolved	<0.63	ug/L	2.1	0.63	2	11/03/23 05:18	11/10/23 08:38	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	11/03/23 05:18	11/10/23 08:38	7440-66-6	D3
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	0.034J	ug/L	0.050	0.014	1	11/06/23 12:14	11/08/23 20:05	83-32-9	
Acenaphthylene	0.037J	ug/L	0.050	0.013	1	11/06/23 12:14	11/08/23 20:05	208-96-8	
Anthracene	0.029J	ug/L	0.050	0.018	1	11/06/23 12:14	11/08/23 20:05	120-12-7	

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 110123013 Lab ID: 40270488012 Collected: 11/01/23 10:49 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)anthracene	<0.014	ug/L	0.050	0.014	1	11/06/23 12:14	11/08/23 20:05	56-55-3	
Benzo(a)pyrene	<0.013	ug/L	0.050	0.013	1	11/06/23 12:14	11/08/23 20:05	50-32-8	
Benzo(b)fluoranthene	0.010J	ug/L	0.050	0.0091	1	11/06/23 12:14	11/08/23 20:05	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.050	0.023	1	11/06/23 12:14	11/08/23 20:05	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.050	0.022	1	11/06/23 12:14	11/08/23 20:05	207-08-9	
Chrysene	0.032J	ug/L	0.050	0.013	1	11/06/23 12:14	11/08/23 20:05	218-01-9	B
Dibenz(a,h)anthracene	<0.018	ug/L	0.050	0.018	1	11/06/23 12:14	11/08/23 20:05	53-70-3	
Fluoranthene	0.041J	ug/L	0.050	0.026	1	11/06/23 12:14	11/08/23 20:05	206-44-0	
Fluorene	<0.023	ug/L	0.050	0.023	1	11/06/23 12:14	11/08/23 20:05	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.050	0.015	1	11/06/23 12:14	11/08/23 20:05	193-39-5	
1-Methylnaphthalene	0.045J	ug/L	0.050	0.018	1	11/06/23 12:14	11/08/23 20:05	90-12-0	
2-Methylnaphthalene	0.068	ug/L	0.050	0.014	1	11/06/23 12:14	11/08/23 20:05	91-57-6	
Naphthalene	0.19	ug/L	0.050	0.020	1	11/06/23 12:14	11/08/23 20:05	91-20-3	
Phenanthrene	0.12	ug/L	0.050	0.025	1	11/06/23 12:14	11/08/23 20:05	85-01-8	
Pyrene	0.064	ug/L	0.050	0.022	1	11/06/23 12:14	11/08/23 20:05	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	62	%	38-120		1	11/06/23 12:14	11/08/23 20:05	321-60-8	
Terphenyl-d14 (S)	92	%	47-121		1	11/06/23 12:14	11/08/23 20:05	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		11/07/23 13:32	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/07/23 13:32	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/07/23 13:32	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/07/23 13:32	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/07/23 13:32	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/07/23 13:32	95-47-6	
Surrogates									
Toluene-d8 (S)	98	%	70-130		1		11/07/23 13:32	2037-26-5	
4-Bromofluorobenzene (S)	104	%	70-130		1		11/07/23 13:32	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		11/07/23 13:32	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	<2.2	mg/L	10.0	2.2	5		11/17/23 11:40	14808-79-8	D3
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	367	mg/L	25.0	7.4	1		11/14/23 14:23		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		11/16/23 12:50		

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 110123014 Lab ID: 40270488013 Collected: 11/01/23 11:27 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	8580	ug/L	140	28.8	50		11/08/23 14:47	74-82-8	
6020B MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	11/03/23 05:18	11/10/23 08:43	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	11/03/23 05:18	11/10/23 08:43	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	11/03/23 05:18	11/10/23 08:43	7440-50-8	D3
Iron, Dissolved	33900	ug/L	500	116	2	11/03/23 05:18	11/10/23 08:43	7439-89-6	
Manganese, Dissolved	1200	ug/L	8.1	2.4	2	11/03/23 05:18	11/10/23 08:43	7439-96-5	
Nickel, Dissolved	<0.57	ug/L	2.0	0.57	2	11/03/23 05:18	11/10/23 08:43	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	11/03/23 05:18	11/10/23 08:43	7440-22-4	D3
Vanadium, Dissolved	<0.63	ug/L	2.1	0.63	2	11/03/23 05:18	11/10/23 08:43	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	11/03/23 05:18	11/10/23 08:43	7440-66-6	D3
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	0.25	ug/L	0.052	0.014	1	11/06/23 12:14	11/08/23 20:24	83-32-9	
Acenaphthylene	<0.013	ug/L	0.052	0.013	1	11/06/23 12:14	11/08/23 20:24	208-96-8	
Anthracene	0.047J	ug/L	0.052	0.019	1	11/06/23 12:14	11/08/23 20:24	120-12-7	
Benzo(a)anthracene	<0.014	ug/L	0.052	0.014	1	11/06/23 12:14	11/08/23 20:24	56-55-3	
Benzo(a)pyrene	<0.013	ug/L	0.052	0.013	1	11/06/23 12:14	11/08/23 20:24	50-32-8	
Benzo(b)fluoranthene	<0.0094	ug/L	0.052	0.0094	1	11/06/23 12:14	11/08/23 20:24	205-99-2	
Benzo(g,h,i)perylene	<0.024	ug/L	0.052	0.024	1	11/06/23 12:14	11/08/23 20:24	191-24-2	
Benzo(k)fluoranthene	<0.023	ug/L	0.052	0.023	1	11/06/23 12:14	11/08/23 20:24	207-08-9	
Chrysene	<0.013	ug/L	0.052	0.013	1	11/06/23 12:14	11/08/23 20:24	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.052	0.018	1	11/06/23 12:14	11/08/23 20:24	53-70-3	
Fluoranthene	0.052	ug/L	0.052	0.027	1	11/06/23 12:14	11/08/23 20:24	206-44-0	
Fluorene	0.095	ug/L	0.052	0.024	1	11/06/23 12:14	11/08/23 20:24	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.052	0.016	1	11/06/23 12:14	11/08/23 20:24	193-39-5	
1-Methylnaphthalene	<0.018	ug/L	0.052	0.018	1	11/06/23 12:14	11/08/23 20:24	90-12-0	
2-Methylnaphthalene	<0.014	ug/L	0.052	0.014	1	11/06/23 12:14	11/08/23 20:24	91-57-6	
Naphthalene	0.031J	ug/L	0.052	0.021	1	11/06/23 12:14	11/08/23 20:24	91-20-3	
Phenanthrene	0.085	ug/L	0.052	0.026	1	11/06/23 12:14	11/08/23 20:24	85-01-8	
Pyrene	0.043J	ug/L	0.052	0.023	1	11/06/23 12:14	11/08/23 20:24	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	79	%	38-120		1	11/06/23 12:14	11/08/23 20:24	321-60-8	
Terphenyl-d14 (S)	108	%	47-121		1	11/06/23 12:14	11/08/23 20:24	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		11/07/23 13:51	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/07/23 13:51	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/07/23 13:51	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/07/23 13:51	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/07/23 13:51	179601-23-1	

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 110123014 Lab ID: 40270488013 Collected: 11/01/23 11:27 Received: 11/02/23 09:50 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/07/23 13:51	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		11/07/23 13:51	2037-26-5	
4-Bromofluorobenzene (S)	104	%	70-130		1		11/07/23 13:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		11/07/23 13:51	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	2.7J	mg/L	10.0	2.2	5		11/17/23 11:54	14808-79-8	D3
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	851	mg/L	125	37.2	5		11/14/23 15:08		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		11/16/23 12:51		

Sample: 110123015 Lab ID: 40270488014 Collected: 11/01/23 12:04 Received: 11/02/23 09:50 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	6420	ug/L	140	28.8	50		11/08/23 14:54	74-82-8	
6020B MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	11/03/23 05:18	11/10/23 08:58	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	11/03/23 05:18	11/10/23 08:58	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	11/03/23 05:18	11/10/23 08:58	7440-50-8	D3
Iron, Dissolved	11800	ug/L	500	116	2	11/03/23 05:18	11/10/23 08:58	7439-89-6	
Manganese, Dissolved	217	ug/L	8.1	2.4	2	11/03/23 05:18	11/10/23 08:58	7439-96-5	
Nickel, Dissolved	<0.57	ug/L	2.0	0.57	2	11/03/23 05:18	11/10/23 08:58	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	11/03/23 05:18	11/10/23 08:58	7440-22-4	D3
Vanadium, Dissolved	<0.63	ug/L	2.1	0.63	2	11/03/23 05:18	11/10/23 08:58	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	11/03/23 05:18	11/10/23 08:58	7440-66-6	D3
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	3.1	ug/L	0.052	0.015	1	11/06/23 12:14	11/08/23 20:43	83-32-9	
Acenaphthylene	0.078	ug/L	0.052	0.013	1	11/06/23 12:14	11/08/23 20:43	208-96-8	
Anthracene	0.12	ug/L	0.052	0.019	1	11/06/23 12:14	11/08/23 20:43	120-12-7	

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 110123015 Lab ID: 40270488014 Collected: 11/01/23 12:04 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)anthracene	<0.014	ug/L	0.052	0.014	1	11/06/23 12:14	11/08/23 20:43	56-55-3	
Benzo(a)pyrene	<0.013	ug/L	0.052	0.013	1	11/06/23 12:14	11/08/23 20:43	50-32-8	
Benzo(b)fluoranthene	<0.0095	ug/L	0.052	0.0095	1	11/06/23 12:14	11/08/23 20:43	205-99-2	
Benzo(g,h,i)perylene	<0.024	ug/L	0.052	0.024	1	11/06/23 12:14	11/08/23 20:43	191-24-2	
Benzo(k)fluoranthene	<0.023	ug/L	0.052	0.023	1	11/06/23 12:14	11/08/23 20:43	207-08-9	
Chrysene	0.034J	ug/L	0.052	0.013	1	11/06/23 12:14	11/08/23 20:43	218-01-9	B
Dibenz(a,h)anthracene	<0.019	ug/L	0.052	0.019	1	11/06/23 12:14	11/08/23 20:43	53-70-3	
Fluoranthene	0.25	ug/L	0.052	0.027	1	11/06/23 12:14	11/08/23 20:43	206-44-0	
Fluorene	0.40	ug/L	0.052	0.025	1	11/06/23 12:14	11/08/23 20:43	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.052	0.016	1	11/06/23 12:14	11/08/23 20:43	193-39-5	
1-Methylnaphthalene	0.45	ug/L	0.052	0.019	1	11/06/23 12:14	11/08/23 20:43	90-12-0	
2-Methylnaphthalene	<0.014	ug/L	0.052	0.014	1	11/06/23 12:14	11/08/23 20:43	91-57-6	
Naphthalene	0.052J	ug/L	0.052	0.021	1	11/06/23 12:14	11/08/23 20:43	91-20-3	
Phenanthrene	0.32	ug/L	0.052	0.027	1	11/06/23 12:14	11/08/23 20:43	85-01-8	
Pyrene	0.22	ug/L	0.052	0.024	1	11/06/23 12:14	11/08/23 20:43	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	77	%	38-120		1	11/06/23 12:14	11/08/23 20:43	321-60-8	
Terphenyl-d14 (S)	99	%	47-121		1	11/06/23 12:14	11/08/23 20:43	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		11/07/23 14:11	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/07/23 14:11	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/07/23 14:11	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/07/23 14:11	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/07/23 14:11	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/07/23 14:11	95-47-6	
Surrogates									
Toluene-d8 (S)	99	%	70-130		1		11/07/23 14:11	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1		11/07/23 14:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		11/07/23 14:11	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	<2.2	mg/L	10.0	2.2	5		11/17/23 12:08	14808-79-8	D3
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	223	mg/L	25.0	7.4	1		11/14/23 14:25		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		11/16/23 12:52		

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 110123016 Lab ID: 40270488015 Collected: 11/01/23 12:35 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	999	ug/L	28.0	5.8	10		11/08/23 15:01	74-82-8	
6020B MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	11/03/23 05:18	11/10/23 09:03	7429-90-5	D3
Antimony, Dissolved	0.46J	ug/L	2.0	0.30	2	11/03/23 05:18	11/10/23 09:03	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	11/03/23 05:18	11/10/23 09:03	7440-50-8	D3
Iron, Dissolved	1430	ug/L	500	116	2	11/03/23 05:18	11/10/23 09:03	7439-89-6	
Manganese, Dissolved	242	ug/L	8.1	2.4	2	11/03/23 05:18	11/10/23 09:03	7439-96-5	
Nickel, Dissolved	1.1J	ug/L	2.0	0.57	2	11/03/23 05:18	11/10/23 09:03	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	11/03/23 05:18	11/10/23 09:03	7440-22-4	D3
Vanadium, Dissolved	2.8	ug/L	2.1	0.63	2	11/03/23 05:18	11/10/23 09:03	7440-62-2	
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	11/03/23 05:18	11/10/23 09:03	7440-66-6	D3
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	1.3	ug/L	0.049	0.014	1	11/06/23 12:14	11/07/23 18:24	83-32-9	
Acenaphthylene	0.041J	ug/L	0.049	0.012	1	11/06/23 12:14	11/07/23 18:24	208-96-8	
Anthracene	0.082	ug/L	0.049	0.018	1	11/06/23 12:14	11/07/23 18:24	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.049	0.013	1	11/06/23 12:14	11/07/23 18:24	56-55-3	
Benzo(a)pyrene	0.034J	ug/L	0.049	0.012	1	11/06/23 12:14	11/07/23 18:24	50-32-8	
Benzo(b)fluoranthene	0.13	ug/L	0.049	0.0090	1	11/06/23 12:14	11/07/23 18:24	205-99-2	
Benzo(g,h,i)perylene	0.046J	ug/L	0.049	0.023	1	11/06/23 12:14	11/07/23 18:24	191-24-2	
Benzo(k)fluoranthene	0.092	ug/L	0.049	0.022	1	11/06/23 12:14	11/07/23 18:24	207-08-9	
Chrysene	0.14	ug/L	0.049	0.012	1	11/06/23 12:14	11/07/23 18:24	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.049	0.018	1	11/06/23 12:14	11/07/23 18:24	53-70-3	
Fluoranthene	0.25	ug/L	0.049	0.026	1	11/06/23 12:14	11/07/23 18:24	206-44-0	
Fluorene	0.39	ug/L	0.049	0.023	1	11/06/23 12:14	11/07/23 18:24	86-73-7	
Indeno(1,2,3-cd)pyrene	0.029J	ug/L	0.049	0.015	1	11/06/23 12:14	11/07/23 18:24	193-39-5	
1-Methylnaphthalene	0.061	ug/L	0.049	0.018	1	11/06/23 12:14	11/07/23 18:24	90-12-0	
2-Methylnaphthalene	<0.014	ug/L	0.049	0.014	1	11/06/23 12:14	11/07/23 18:24	91-57-6	
Naphthalene	0.051	ug/L	0.049	0.020	1	11/06/23 12:14	11/07/23 18:24	91-20-3	
Phenanthrene	0.10	ug/L	0.049	0.025	1	11/06/23 12:14	11/07/23 18:24	85-01-8	
Pyrene	0.23	ug/L	0.049	0.022	1	11/06/23 12:14	11/07/23 18:24	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	64	%	38-120		1	11/06/23 12:14	11/07/23 18:24	321-60-8	
Terphenyl-d14 (S)	93	%	47-121		1	11/06/23 12:14	11/07/23 18:24	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		11/07/23 14:31	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/07/23 14:31	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/07/23 14:31	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/07/23 14:31	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/07/23 14:31	179601-23-1	

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 110123016 Lab ID: 40270488015 Collected: 11/01/23 12:35 Received: 11/02/23 09:50 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/07/23 14:31	95-47-6	
Surrogates									
Toluene-d8 (S)	99	%	70-130		1		11/07/23 14:31	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130		1		11/07/23 14:31	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		11/07/23 14:31	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	87.7	mg/L	10.0	2.2	5		11/17/23 13:06	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	484	mg/L	25.0	7.4	1		11/14/23 14:26		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	1.8	mg/L	0.25	0.059	1		11/16/23 12:53		

Sample: 110123017 Lab ID: 40270488016 Collected: 11/01/23 13:17 Received: 11/02/23 09:50 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	2970	ug/L	70.0	14.4	25		11/08/23 15:08	74-82-8	
6020B MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	11/03/23 05:18	11/10/23 09:09	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	11/03/23 05:18	11/10/23 09:09	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	11/03/23 05:18	11/10/23 09:09	7440-50-8	D3
Iron, Dissolved	18200	ug/L	500	116	2	11/03/23 05:18	11/10/23 09:09	7439-89-6	
Manganese, Dissolved	1030	ug/L	8.1	2.4	2	11/03/23 05:18	11/10/23 09:09	7439-96-5	
Nickel, Dissolved	<0.57	ug/L	2.0	0.57	2	11/03/23 05:18	11/10/23 09:09	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	11/03/23 05:18	11/10/23 09:09	7440-22-4	D3
Vanadium, Dissolved	1.8J	ug/L	2.1	0.63	2	11/03/23 05:18	11/10/23 09:09	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	11/03/23 05:18	11/10/23 09:09	7440-66-6	D3
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	0.53	ug/L	0.053	0.015	1	11/06/23 12:14	11/08/23 21:01	83-32-9	
Acenaphthylene	0.017J	ug/L	0.053	0.013	1	11/06/23 12:14	11/08/23 21:01	208-96-8	
Anthracene	<0.020	ug/L	0.053	0.020	1	11/06/23 12:14	11/08/23 21:01	120-12-7	

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 110123017 Lab ID: 40270488016 Collected: 11/01/23 13:17 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)anthracene	<0.015	ug/L	0.053	0.015	1	11/06/23 12:14	11/08/23 21:01	56-55-3	
Benzo(a)pyrene	<0.014	ug/L	0.053	0.014	1	11/06/23 12:14	11/08/23 21:01	50-32-8	
Benzo(b)fluoranthene	<0.0097	ug/L	0.053	0.0097	1	11/06/23 12:14	11/08/23 21:01	205-99-2	
Benzo(g,h,i)perylene	<0.025	ug/L	0.053	0.025	1	11/06/23 12:14	11/08/23 21:01	191-24-2	
Benzo(k)fluoranthene	<0.024	ug/L	0.053	0.024	1	11/06/23 12:14	11/08/23 21:01	207-08-9	
Chrysene	<0.013	ug/L	0.053	0.013	1	11/06/23 12:14	11/08/23 21:01	218-01-9	
Dibenz(a,h)anthracene	<0.019	ug/L	0.053	0.019	1	11/06/23 12:14	11/08/23 21:01	53-70-3	
Fluoranthene	<0.028	ug/L	0.053	0.028	1	11/06/23 12:14	11/08/23 21:01	206-44-0	
Fluorene	0.028J	ug/L	0.053	0.025	1	11/06/23 12:14	11/08/23 21:01	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.053	0.017	1	11/06/23 12:14	11/08/23 21:01	193-39-5	
1-Methylnaphthalene	0.82	ug/L	0.053	0.019	1	11/06/23 12:14	11/08/23 21:01	90-12-0	
2-Methylnaphthalene	0.098	ug/L	0.053	0.015	1	11/06/23 12:14	11/08/23 21:01	91-57-6	
Naphthalene	1.1	ug/L	0.053	0.021	1	11/06/23 12:14	11/08/23 21:01	91-20-3	
Phenanthrene	<0.027	ug/L	0.053	0.027	1	11/06/23 12:14	11/08/23 21:01	85-01-8	
Pyrene	0.47	ug/L	0.053	0.024	1	11/06/23 12:14	11/08/23 21:01	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	84	%	38-120		1	11/06/23 12:14	11/08/23 21:01	321-60-8	
Terphenyl-d14 (S)	105	%	47-121		1	11/06/23 12:14	11/08/23 21:01	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		11/07/23 16:48	71-43-2	
Ethylbenzene	7.0	ug/L	1.0	0.33	1		11/07/23 16:48	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/07/23 16:48	108-88-3	
Xylene (Total)	93.9	ug/L	3.0	1.0	1		11/07/23 16:48	1330-20-7	
m&p-Xylene	36.9	ug/L	2.0	0.70	1		11/07/23 16:48	179601-23-1	
o-Xylene	57.0	ug/L	1.0	0.35	1		11/07/23 16:48	95-47-6	
Surrogates									
Toluene-d8 (S)	98	%	70-130		1		11/07/23 16:48	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1		11/07/23 16:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		11/07/23 16:48	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	<2.2	mg/L	10.0	2.2	5		11/17/23 13:20	14808-79-8	D3
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	306	mg/L	25.0	7.4	1		11/14/23 14:27		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		11/16/23 12:53		

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 110123018 Lab ID: 40270488017 Collected: 11/01/23 13:45 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	<0.58	ug/L	2.8	0.58	1		11/08/23 13:10	74-82-8	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Aluminum	583	ug/L	500	117	2	11/08/23 05:25	11/10/23 13:33	7429-90-5	
Antimony	0.38J	ug/L	2.0	0.30	2	11/08/23 05:25	11/10/23 13:33	7440-36-0	D3
Copper	<3.8	ug/L	12.7	3.8	2	11/08/23 05:25	11/10/23 13:33	7440-50-8	D3
Iron	9120	ug/L	500	116	2	11/08/23 05:25	11/10/23 13:33	7439-89-6	
Manganese	132	ug/L	8.1	2.4	2	11/08/23 05:25	11/10/23 13:33	7439-96-5	
Nickel	3.0	ug/L	2.0	0.57	2	11/08/23 05:25	11/10/23 13:33	7440-02-0	B
Silver	<0.25	ug/L	1.0	0.25	2	11/08/23 05:25	11/10/23 13:33	7440-22-4	D3
Vanadium	2.2	ug/L	2.1	0.63	2	11/08/23 05:25	11/10/23 13:33	7440-62-2	
Zinc	<20.7	ug/L	68.9	20.7	2	11/08/23 05:25	11/10/23 13:33	7440-66-6	D3
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	0.044J	ug/L	0.061	0.017	1	11/06/23 12:14	11/07/23 19:01	83-32-9	
Acenaphthylene	<0.015	ug/L	0.061	0.015	1	11/06/23 12:14	11/07/23 19:01	208-96-8	
Anthracene	<0.023	ug/L	0.061	0.023	1	11/06/23 12:14	11/07/23 19:01	120-12-7	
Benzo(a)anthracene	<0.017	ug/L	0.061	0.017	1	11/06/23 12:14	11/07/23 19:01	56-55-3	
Benzo(a)pyrene	<0.015	ug/L	0.061	0.015	1	11/06/23 12:14	11/07/23 19:01	50-32-8	
Benzo(b)fluoranthene	0.051J	ug/L	0.061	0.011	1	11/06/23 12:14	11/07/23 19:01	205-99-2	
Benzo(g,h,i)perylene	<0.028	ug/L	0.061	0.028	1	11/06/23 12:14	11/07/23 19:01	191-24-2	
Benzo(k)fluoranthene	<0.027	ug/L	0.061	0.027	1	11/06/23 12:14	11/07/23 19:01	207-08-9	
Chrysene	0.073	ug/L	0.061	0.015	1	11/06/23 12:14	11/07/23 19:01	218-01-9	
Dibenz(a,h)anthracene	<0.022	ug/L	0.061	0.022	1	11/06/23 12:14	11/07/23 19:01	53-70-3	
Fluoranthene	0.072	ug/L	0.061	0.032	1	11/06/23 12:14	11/07/23 19:01	206-44-0	
Fluorene	<0.029	ug/L	0.061	0.029	1	11/06/23 12:14	11/07/23 19:01	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.019	ug/L	0.061	0.019	1	11/06/23 12:14	11/07/23 19:01	193-39-5	
1-Methylnaphthalene	0.033J	ug/L	0.061	0.022	1	11/06/23 12:14	11/07/23 19:01	90-12-0	
2-Methylnaphthalene	0.024J	ug/L	0.061	0.017	1	11/06/23 12:14	11/07/23 19:01	91-57-6	
Naphthalene	0.17	ug/L	0.061	0.024	1	11/06/23 12:14	11/07/23 19:01	91-20-3	
Phenanthrene	0.049J	ug/L	0.061	0.031	1	11/06/23 12:14	11/07/23 19:01	85-01-8	
Pyrene	0.081	ug/L	0.061	0.027	1	11/06/23 12:14	11/07/23 19:01	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	67	%	38-120		1	11/06/23 12:14	11/07/23 19:01	321-60-8	
Terphenyl-d14 (S)	109	%	47-121		1	11/06/23 12:14	11/07/23 19:01	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		11/07/23 15:10	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/07/23 15:10	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/07/23 15:10	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/07/23 15:10	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/07/23 15:10	179601-23-1	

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 110123018 Lab ID: 40270488017 Collected: 11/01/23 13:45 Received: 11/02/23 09:50 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/07/23 15:10	95-47-6	
Surrogates									
Toluene-d8 (S)	98	%	70-130		1		11/07/23 15:10	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130		1		11/07/23 15:10	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		11/07/23 15:10	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	552	mg/L	40.0	8.9	20		11/17/23 13:35	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	201	mg/L	25.0	7.4	1		11/14/23 14:28		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	2.2	mg/L	0.25	0.059	1		11/16/23 12:56		

Sample: 110123022 Lab ID: 40270488018 Collected: 11/01/23 15:54 Received: 11/02/23 09:50 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	8430	ug/L	140	28.8	50		11/08/23 15:15	74-82-8	
6020B MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	11/03/23 05:18	11/10/23 09:14	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	11/03/23 05:18	11/10/23 09:14	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	11/03/23 05:18	11/10/23 09:14	7440-50-8	D3
Iron, Dissolved	35700	ug/L	500	116	2	11/03/23 05:18	11/10/23 09:14	7439-89-6	
Manganese, Dissolved	790	ug/L	8.1	2.4	2	11/03/23 05:18	11/10/23 09:14	7439-96-5	
Nickel, Dissolved	1.3J	ug/L	2.0	0.57	2	11/03/23 05:18	11/10/23 09:14	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	11/03/23 05:18	11/10/23 09:14	7440-22-4	D3
Vanadium, Dissolved	0.97J	ug/L	2.1	0.63	2	11/03/23 05:18	11/10/23 09:14	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	11/03/23 05:18	11/10/23 09:14	7440-66-6	D3
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	121	ug/L	5.2	1.5	100	11/06/23 12:14	11/08/23 21:38	83-32-9	
Acenaphthylene	<1.3	ug/L	5.2	1.3	100	11/06/23 12:14	11/08/23 21:38	208-96-8	
Anthracene	6.4	ug/L	5.2	1.9	100	11/06/23 12:14	11/08/23 21:38	120-12-7	

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 110123022 Lab ID: 40270488018 Collected: 11/01/23 15:54 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)anthracene	<1.4	ug/L	5.2	1.4	100	11/06/23 12:14	11/08/23 21:38	56-55-3	
Benzo(a)pyrene	<1.3	ug/L	5.2	1.3	100	11/06/23 12:14	11/08/23 21:38	50-32-8	
Benzo(b)fluoranthene	<0.95	ug/L	5.2	0.95	100	11/06/23 12:14	11/08/23 21:38	205-99-2	
Benzo(g,h,i)perylene	<2.4	ug/L	5.2	2.4	100	11/06/23 12:14	11/08/23 21:38	191-24-2	
Benzo(k)fluoranthene	<2.3	ug/L	5.2	2.3	100	11/06/23 12:14	11/08/23 21:38	207-08-9	
Chrysene	<1.3	ug/L	5.2	1.3	100	11/06/23 12:14	11/08/23 21:38	218-01-9	
Dibenz(a,h)anthracene	<1.9	ug/L	5.2	1.9	100	11/06/23 12:14	11/08/23 21:38	53-70-3	
Fluoranthene	3.8J	ug/L	5.2	2.7	100	11/06/23 12:14	11/08/23 21:38	206-44-0	
Fluorene	32.4	ug/L	5.2	2.5	100	11/06/23 12:14	11/08/23 21:38	86-73-7	
Indeno(1,2,3-cd)pyrene	<1.6	ug/L	5.2	1.6	100	11/06/23 12:14	11/08/23 21:38	193-39-5	
1-Methylnaphthalene	139	ug/L	5.2	1.9	100	11/06/23 12:14	11/08/23 21:38	90-12-0	
2-Methylnaphthalene	68.1	ug/L	5.2	1.4	100	11/06/23 12:14	11/08/23 21:38	91-57-6	
Naphthalene	1000	ug/L	5.2	2.1	100	11/06/23 12:14	11/08/23 21:38	91-20-3	
Phenanthrene	40.8	ug/L	5.2	2.7	100	11/06/23 12:14	11/08/23 21:38	85-01-8	
Pyrene	2.9J	ug/L	5.2	2.4	100	11/06/23 12:14	11/08/23 21:38	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	61	%	38-120		100	11/06/23 12:14	11/08/23 21:38	321-60-8	
Terphenyl-d14 (S)	71	%	47-121		100	11/06/23 12:14	11/08/23 21:38	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	192	ug/L	10.0	3.0	10		11/07/23 18:26	71-43-2	
Ethylbenzene	170	ug/L	10.0	3.3	10		11/07/23 18:26	100-41-4	
Toluene	13.4	ug/L	10.0	2.9	10		11/07/23 18:26	108-88-3	
Xylene (Total)	115	ug/L	30.0	10.5	10		11/07/23 18:26	1330-20-7	
m&p-Xylene	27.5	ug/L	20.0	7.0	10		11/07/23 18:26	179601-23-1	
o-Xylene	87.4	ug/L	10.0	3.5	10		11/07/23 18:26	95-47-6	
Surrogates									
Toluene-d8 (S)	100	%	70-130		10		11/07/23 18:26	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		10		11/07/23 18:26	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		10		11/07/23 18:26	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	<2.2	mg/L	10.0	2.2	5		11/17/23 13:49	14808-79-8	D3
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	790	mg/L	125	37.2	5		11/14/23 15:09		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		11/16/23 12:57		

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 110123023 Lab ID: 40270488019 Collected: 11/01/23 15:59 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	9510	ug/L	140	28.8	50		11/08/23 15:35	74-82-8	
6020B MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	11/03/23 05:18	11/10/23 09:19	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	11/03/23 05:18	11/10/23 09:19	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	11/03/23 05:18	11/10/23 09:19	7440-50-8	D3
Iron, Dissolved	36900	ug/L	500	116	2	11/03/23 05:18	11/10/23 09:19	7439-89-6	
Manganese, Dissolved	813	ug/L	8.1	2.4	2	11/03/23 05:18	11/10/23 09:19	7439-96-5	
Nickel, Dissolved	1.4J	ug/L	2.0	0.57	2	11/03/23 05:18	11/10/23 09:19	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	11/03/23 05:18	11/10/23 09:19	7440-22-4	D3
Vanadium, Dissolved	0.93J	ug/L	2.1	0.63	2	11/03/23 05:18	11/10/23 09:19	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	11/03/23 05:18	11/10/23 09:19	7440-66-6	D3
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	115	ug/L	5.4	1.5	100	11/06/23 12:14	11/08/23 21:57	83-32-9	
Acenaphthylene	<1.4	ug/L	5.4	1.4	100	11/06/23 12:14	11/08/23 21:57	208-96-8	
Anthracene	6.1	ug/L	5.4	2.0	100	11/06/23 12:14	11/08/23 21:57	120-12-7	
Benzo(a)anthracene	<1.5	ug/L	5.4	1.5	100	11/06/23 12:14	11/08/23 21:57	56-55-3	
Benzo(a)pyrene	<1.4	ug/L	5.4	1.4	100	11/06/23 12:14	11/08/23 21:57	50-32-8	
Benzo(b)fluoranthene	<0.99	ug/L	5.4	0.99	100	11/06/23 12:14	11/08/23 21:57	205-99-2	
Benzo(g,h,i)perylene	<2.5	ug/L	5.4	2.5	100	11/06/23 12:14	11/08/23 21:57	191-24-2	
Benzo(k)fluoranthene	<2.4	ug/L	5.4	2.4	100	11/06/23 12:14	11/08/23 21:57	207-08-9	
Chrysene	<1.4	ug/L	5.4	1.4	100	11/06/23 12:14	11/08/23 21:57	218-01-9	
Dibenz(a,h)anthracene	<1.9	ug/L	5.4	1.9	100	11/06/23 12:14	11/08/23 21:57	53-70-3	
Fluoranthene	3.6J	ug/L	5.4	2.8	100	11/06/23 12:14	11/08/23 21:57	206-44-0	
Fluorene	31.1	ug/L	5.4	2.5	100	11/06/23 12:14	11/08/23 21:57	86-73-7	
Indeno(1,2,3-cd)pyrene	<1.7	ug/L	5.4	1.7	100	11/06/23 12:14	11/08/23 21:57	193-39-5	
1-Methylnaphthalene	129	ug/L	5.4	1.9	100	11/06/23 12:14	11/08/23 21:57	90-12-0	
2-Methylnaphthalene	63.1	ug/L	5.4	1.5	100	11/06/23 12:14	11/08/23 21:57	91-57-6	
Naphthalene	944	ug/L	5.4	2.2	100	11/06/23 12:14	11/08/23 21:57	91-20-3	
Phenanthrene	38.0	ug/L	5.4	2.8	100	11/06/23 12:14	11/08/23 21:57	85-01-8	
Pyrene	2.9J	ug/L	5.4	2.5	100	11/06/23 12:14	11/08/23 21:57	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	61	%	38-120		100	11/06/23 12:14	11/08/23 21:57	321-60-8	
Terphenyl-d14 (S)	72	%	47-121		100	11/06/23 12:14	11/08/23 21:57	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	170	ug/L	20.0	5.9	20		11/07/23 18:06	71-43-2	
Ethylbenzene	143	ug/L	20.0	6.5	20		11/07/23 18:06	100-41-4	
Toluene	11.3J	ug/L	20.0	5.8	20		11/07/23 18:06	108-88-3	
Xylene (Total)	96.3	ug/L	60.0	21.0	20		11/07/23 18:06	1330-20-7	
m&p-Xylene	23.3J	ug/L	40.0	14.0	20		11/07/23 18:06	179601-23-1	

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 110123023 Lab ID: 40270488019 Collected: 11/01/23 15:59 Received: 11/02/23 09:50 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
o-Xylene	73.0	ug/L	20.0	7.0	20		11/07/23 18:06	95-47-6	
Surrogates									
Toluene-d8 (S)	99	%	70-130		20		11/07/23 18:06	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		20		11/07/23 18:06	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		20		11/07/23 18:06	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	<2.2	mg/L	10.0	2.2	5		11/17/23 14:03	14808-79-8	D3
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	792	mg/L	125	37.2	5		11/14/23 15:10		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		11/16/23 12:58		

Sample: 110223026 Lab ID: 40270488020 Collected: 11/02/23 07:15 Received: 11/02/23 09:50 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	<0.58	ug/L	2.8	0.58	1		11/08/23 14:12	74-82-8	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Aluminum	947	ug/L	500	117	2	11/08/23 05:25	11/10/23 13:38	7429-90-5	
Antimony	<0.30	ug/L	2.0	0.30	2	11/08/23 05:25	11/10/23 13:38	7440-36-0	D3
Copper	<3.8	ug/L	12.7	3.8	2	11/08/23 05:25	11/10/23 13:38	7440-50-8	D3
Iron	1790	ug/L	500	116	2	11/08/23 05:25	11/10/23 13:38	7439-89-6	
Manganese	80.0	ug/L	8.1	2.4	2	11/08/23 05:25	11/10/23 13:38	7439-96-5	
Nickel	2.4	ug/L	2.0	0.57	2	11/08/23 05:25	11/10/23 13:38	7440-02-0	B
Silver	<0.25	ug/L	1.0	0.25	2	11/08/23 05:25	11/10/23 13:38	7440-22-4	D3
Vanadium	3.3	ug/L	2.1	0.63	2	11/08/23 05:25	11/10/23 13:38	7440-62-2	
Zinc	<20.7	ug/L	68.9	20.7	2	11/08/23 05:25	11/10/23 13:38	7440-66-6	D3
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	0.14	ug/L	0.048	0.013	1	11/07/23 09:52	11/08/23 12:27	83-32-9	
Acenaphthylene	0.44	ug/L	0.048	0.012	1	11/07/23 09:52	11/08/23 12:27	208-96-8	
Anthracene	0.40	ug/L	0.048	0.018	1	11/07/23 09:52	11/08/23 12:27	120-12-7	

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 110223026 **Lab ID: 40270488020** Collected: 11/02/23 07:15 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)anthracene	0.97	ug/L	0.048	0.013	1	11/07/23 09:52	11/08/23 12:27	56-55-3	
Benzo(a)pyrene	0.89	ug/L	0.048	0.012	1	11/07/23 09:52	11/08/23 12:27	50-32-8	
Benzo(b)fluoranthene	1.2	ug/L	0.048	0.0087	1	11/07/23 09:52	11/08/23 12:27	205-99-2	
Benzo(g,h,i)perylene	0.52	ug/L	0.048	0.022	1	11/07/23 09:52	11/08/23 12:27	191-24-2	
Benzo(k)fluoranthene	0.44	ug/L	0.048	0.021	1	11/07/23 09:52	11/08/23 12:27	207-08-9	
Chrysene	0.72	ug/L	0.048	0.012	1	11/07/23 09:52	11/08/23 12:27	218-01-9	
Dibenz(a,h)anthracene	0.12	ug/L	0.048	0.017	1	11/07/23 09:52	11/08/23 12:27	53-70-3	L2
Fluoranthene	2.5	ug/L	0.048	0.025	1	11/07/23 09:52	11/08/23 12:27	206-44-0	
Fluorene	0.21	ug/L	0.048	0.022	1	11/07/23 09:52	11/08/23 12:27	86-73-7	
Indeno(1,2,3-cd)pyrene	0.46	ug/L	0.048	0.015	1	11/07/23 09:52	11/08/23 12:27	193-39-5	
1-Methylnaphthalene	0.075	ug/L	0.048	0.017	1	11/07/23 09:52	11/08/23 12:27	90-12-0	
2-Methylnaphthalene	0.031J	ug/L	0.048	0.013	1	11/07/23 09:52	11/08/23 12:27	91-57-6	
Naphthalene	0.26	ug/L	0.048	0.019	1	11/07/23 09:52	11/08/23 12:27	91-20-3	
Phenanthrene	1.7	ug/L	0.048	0.024	1	11/07/23 09:52	11/08/23 12:27	85-01-8	
Pyrene	2.0	ug/L	0.048	0.022	1	11/07/23 09:52	11/08/23 12:27	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	80	%	38-120		1	11/07/23 09:52	11/08/23 12:27	321-60-8	
Terphenyl-d14 (S)	96	%	47-121		1	11/07/23 09:52	11/08/23 12:27	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		11/07/23 15:29	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/07/23 15:29	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/07/23 15:29	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/07/23 15:29	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/07/23 15:29	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/07/23 15:29	95-47-6	
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		11/07/23 15:29	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130		1		11/07/23 15:29	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		11/07/23 15:29	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	861	mg/L	200	44.4	100		11/20/23 10:56	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	142	mg/L	25.0	7.4	1		11/14/23 14:31		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.35	mg/L	0.25	0.059	1		11/16/23 12:59		

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 110123011 Lab ID: 40270488021 Collected: 11/01/23 09:20 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<2.8	ug/L	10.8	2.8	200	11/06/23 12:14	11/08/23 15:28	50-32-8	
Benzo(b)fluoranthene	<2.0	ug/L	10.8	2.0	200	11/06/23 12:14	11/08/23 15:28	205-99-2	
Chrysene	<2.7	ug/L	10.8	2.7	200	11/06/23 12:14	11/08/23 15:28	218-01-9	
Naphthalene	3070	ug/L	10.8	4.3	200	11/06/23 12:14	11/08/23 15:28	91-20-3	
Surrogates									
2-Fluorobiphenyl (S)	75	%	38-120		200	11/06/23 12:14	11/08/23 15:28	321-60-8	
Terphenyl-d14 (S)	85	%	47-121		200	11/06/23 12:14	11/08/23 15:28	1718-51-0	

8260 MSV UST

Analytical Method: EPA 8260

Pace Analytical Services - Green Bay

Benzene	2700	ug/L	125	36.9	125		11/07/23 17:07	71-43-2	
Ethylbenzene	157	ug/L	125	40.6	125		11/07/23 17:07	100-41-4	
Surrogates									
Toluene-d8 (S)	99	%	70-130		125		11/07/23 17:07	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		125		11/07/23 17:07	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		125		11/07/23 17:07	2199-69-1	

Sample: 110123019 Lab ID: 40270488022 Collected: 11/01/23 13:50 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.014	ug/L	0.054	0.014	1	11/06/23 12:14	11/08/23 11:50	50-32-8	
Benzo(b)fluoranthene	0.016J	ug/L	0.054	0.0098	1	11/06/23 12:14	11/08/23 11:50	205-99-2	
Chrysene	0.024J	ug/L	0.054	0.014	1	11/06/23 12:14	11/08/23 11:50	218-01-9	
Naphthalene	0.90	ug/L	0.054	0.021	1	11/06/23 12:14	11/08/23 11:50	91-20-3	
Surrogates									
2-Fluorobiphenyl (S)	78	%	38-120		1	11/06/23 12:14	11/08/23 11:50	321-60-8	
Terphenyl-d14 (S)	92	%	47-121		1	11/06/23 12:14	11/08/23 11:50	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		11/07/23 14:50	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/07/23 14:50	100-41-4	
Surrogates									
Toluene-d8 (S)	99	%	70-130		1		11/07/23 14:50	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130		1		11/07/23 14:50	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		11/07/23 14:50	2199-69-1	

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 110123020 **Lab ID: 40270488023** Collected: 11/01/23 15:25 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<1.3	ug/L	5.0	1.3	100	11/06/23 12:14	11/08/23 15:46	50-32-8	
Benzo(b)fluoranthene	<0.92	ug/L	5.0	0.92	100	11/06/23 12:14	11/08/23 15:46	205-99-2	
Chrysene	<1.3	ug/L	5.0	1.3	100	11/06/23 12:14	11/08/23 15:46	218-01-9	
Naphthalene	738	ug/L	5.0	2.0	100	11/06/23 12:14	11/08/23 15:46	91-20-3	
Surrogates									
2-Fluorobiphenyl (S)	67	%	38-120		100	11/06/23 12:14	11/08/23 15:46	321-60-8	
Terphenyl-d14 (S)	72	%	47-121		100	11/06/23 12:14	11/08/23 15:46	1718-51-0	

8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	192	ug/L	10.0	3.0	10		11/07/23 18:46	71-43-2	
Ethylbenzene	33.6	ug/L	10.0	3.3	10		11/07/23 18:46	100-41-4	
Surrogates									
Toluene-d8 (S)	89	%	70-130		10		11/07/23 18:46	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130		10		11/07/23 18:46	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		10		11/07/23 18:46	2199-69-1	

Sample: 110123021 **Lab ID: 40270488024** Collected: 11/01/23 15:30 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<1.3	ug/L	5.1	1.3	100	11/06/23 12:14	11/08/23 16:05	50-32-8	
Benzo(b)fluoranthene	<0.92	ug/L	5.1	0.92	100	11/06/23 12:14	11/08/23 16:05	205-99-2	
Chrysene	<1.3	ug/L	5.1	1.3	100	11/06/23 12:14	11/08/23 16:05	218-01-9	
Naphthalene	720	ug/L	5.1	2.0	100	11/06/23 12:14	11/08/23 16:05	91-20-3	
Surrogates									
2-Fluorobiphenyl (S)	65	%	38-120		100	11/06/23 12:14	11/08/23 16:05	321-60-8	
Terphenyl-d14 (S)	75	%	47-121		100	11/06/23 12:14	11/08/23 16:05	1718-51-0	

8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	203	ug/L	10.0	3.0	10		11/07/23 19:05	71-43-2	
Ethylbenzene	39.3	ug/L	10.0	3.3	10		11/07/23 19:05	100-41-4	
Surrogates									
Toluene-d8 (S)	99	%	70-130		10		11/07/23 19:05	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		10		11/07/23 19:05	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		10		11/07/23 19:05	2199-69-1	

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 110123024 **Lab ID: 40270488025** Collected: 11/01/23 17:10 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<6.6	ug/L	25.9	6.6	500	11/06/23 12:14	11/10/23 15:18	50-32-8	
Benzo(b)fluoranthene	<4.7	ug/L	25.9	4.7	500	11/06/23 12:14	11/10/23 15:18	205-99-2	
Chrysene	<6.5	ug/L	25.9	6.5	500	11/06/23 12:14	11/10/23 15:18	218-01-9	
Naphthalene	6220	ug/L	25.9	10.3	500	11/06/23 12:14	11/10/23 15:18	91-20-3	
Surrogates									
2-Fluorobiphenyl (S)	66	%	38-120		500	11/06/23 12:14	11/10/23 15:18	321-60-8	
Terphenyl-d14 (S)	72	%	47-121		500	11/06/23 12:14	11/10/23 15:18	1718-51-0	

8260 MSV UST

Analytical Method: EPA 8260

Pace Analytical Services - Green Bay

Benzene	5090	ug/L	100	29.5	100		11/07/23 17:27	71-43-2	
Ethylbenzene	258	ug/L	100	32.5	100		11/07/23 17:27	100-41-4	
Surrogates									
Toluene-d8 (S)	100	%	70-130		100		11/07/23 17:27	2037-26-5	pH
4-Bromofluorobenzene (S)	103	%	70-130		100		11/07/23 17:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		100		11/07/23 17:27	2199-69-1	

Sample: TB01 **Lab ID: 40270488026** Collected: 11/01/23 00:00 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		11/07/23 12:53	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/07/23 12:53	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/07/23 12:53	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/07/23 12:53	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/07/23 12:53	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/07/23 12:53	95-47-6	
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		11/07/23 12:53	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130		1		11/07/23 12:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		11/07/23 12:53	2199-69-1	

Sample: 110123025 **Lab ID: 40270488027** Collected: 11/01/23 17:41 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<6.7	ug/L	26.5	6.7	500	11/06/23 12:14	11/08/23 16:41	50-32-8	
Benzo(b)fluoranthene	<4.8	ug/L	26.5	4.8	500	11/06/23 12:14	11/08/23 16:41	205-99-2	

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 110123025 **Lab ID: 40270488027** Collected: 11/01/23 17:41 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Chrysene	<6.7	ug/L	26.5	6.7	500	11/06/23 12:14	11/08/23 16:41	218-01-9	
Naphthalene	6520	ug/L	26.5	10.5	500	11/06/23 12:14	11/08/23 16:41	91-20-3	
Surrogates									
2-Fluorobiphenyl (S)	153	%	38-120		500	11/06/23 12:14	11/08/23 16:41	321-60-8	S4
Terphenyl-d14 (S)	83	%	47-121		500	11/06/23 12:14	11/08/23 16:41	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	2150	ug/L	100	29.5	100		11/07/23 17:47	71-43-2	
Ethylbenzene	2470	ug/L	100	32.5	100		11/07/23 17:47	100-41-4	
Surrogates									
Toluene-d8 (S)	98	%	70-130		100		11/07/23 17:47	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		100		11/07/23 17:47	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		100		11/07/23 17:47	2199-69-1	

Sample: 110223027 **Lab ID: 40270488028** Collected: 11/02/23 07:53 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	7.2	ug/L	2.8	0.58	1		11/09/23 09:28	74-82-8	
6020B MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	11/03/23 05:18	11/10/23 09:24	7429-90-5	D3
Antimony, Dissolved	1.2J	ug/L	2.0	0.30	2	11/03/23 05:18	11/10/23 09:24	7440-36-0	D3
Copper, Dissolved	7.9J	ug/L	12.7	3.8	2	11/03/23 05:18	11/10/23 09:24	7440-50-8	D3
Iron, Dissolved	153J	ug/L	500	116	2	11/03/23 05:18	11/10/23 09:24	7439-89-6	D3
Manganese, Dissolved	23.0	ug/L	8.1	2.4	2	11/03/23 05:18	11/10/23 09:24	7439-96-5	
Nickel, Dissolved	2.8	ug/L	2.0	0.57	2	11/03/23 05:18	11/10/23 09:24	7440-02-0	
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	11/03/23 05:18	11/10/23 09:24	7440-22-4	D3
Vanadium, Dissolved	2.2	ug/L	2.1	0.63	2	11/03/23 05:18	11/10/23 09:24	7440-62-2	
Zinc, Dissolved	35.7J	ug/L	68.9	20.7	2	11/03/23 05:18	11/10/23 09:24	7440-66-6	D3
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.014	ug/L	0.049	0.014	1	11/07/23 09:52	11/08/23 12:45	83-32-9	
Acenaphthylene	0.13	ug/L	0.049	0.012	1	11/07/23 09:52	11/08/23 12:45	208-96-8	
Anthracene	0.19	ug/L	0.049	0.018	1	11/07/23 09:52	11/08/23 12:45	120-12-7	
Benzo(a)anthracene	0.15	ug/L	0.049	0.013	1	11/07/23 09:52	11/08/23 12:45	56-55-3	
Benzo(a)pyrene	0.41	ug/L	0.049	0.012	1	11/07/23 09:52	11/08/23 12:45	50-32-8	
Benzo(b)fluoranthene	0.75	ug/L	0.049	0.0089	1	11/07/23 09:52	11/08/23 12:45	205-99-2	

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 110223027 **Lab ID: 40270488028** Collected: 11/02/23 07:53 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(g,h,i)perylene	0.50	ug/L	0.049	0.023	1	11/07/23 09:52	11/08/23 12:45	191-24-2	
Benzo(k)fluoranthene	0.26	ug/L	0.049	0.022	1	11/07/23 09:52	11/08/23 12:45	207-08-9	
Chrysene	0.45	ug/L	0.049	0.012	1	11/07/23 09:52	11/08/23 12:45	218-01-9	
Dibenz(a,h)anthracene	0.093	ug/L	0.049	0.017	1	11/07/23 09:52	11/08/23 12:45	53-70-3	L2
Fluoranthene	0.44	ug/L	0.049	0.025	1	11/07/23 09:52	11/08/23 12:45	206-44-0	
Fluorene	<0.023	ug/L	0.049	0.023	1	11/07/23 09:52	11/08/23 12:45	86-73-7	
Indeno(1,2,3-cd)pyrene	0.36	ug/L	0.049	0.015	1	11/07/23 09:52	11/08/23 12:45	193-39-5	
1-Methylnaphthalene	<0.017	ug/L	0.049	0.017	1	11/07/23 09:52	11/08/23 12:45	90-12-0	
2-Methylnaphthalene	<0.013	ug/L	0.049	0.013	1	11/07/23 09:52	11/08/23 12:45	91-57-6	
Naphthalene	<0.019	ug/L	0.049	0.019	1	11/07/23 09:52	11/08/23 12:45	91-20-3	
Phenanthrene	0.091	ug/L	0.049	0.025	1	11/07/23 09:52	11/08/23 12:45	85-01-8	
Pyrene	0.43	ug/L	0.049	0.022	1	11/07/23 09:52	11/08/23 12:45	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	66	%	38-120		1	11/07/23 09:52	11/08/23 12:45	321-60-8	
Terphenyl-d14 (S)	85	%	47-121		1	11/07/23 09:52	11/08/23 12:45	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		11/07/23 15:49	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/07/23 15:49	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/07/23 15:49	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/07/23 15:49	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/07/23 15:49	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/07/23 15:49	95-47-6	
Surrogates									
Toluene-d8 (S)	99	%	70-130		1		11/07/23 15:49	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130		1		11/07/23 15:49	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		11/07/23 15:49	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	85.8	mg/L	10.0	2.2	5		11/18/23 18:39	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	370	mg/L	25.0	7.4	1		11/14/23 14:39		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	4.2	mg/L	0.25	0.059	1		11/16/23 13:02		

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 110223028 Lab ID: 40270488029 Collected: 11/02/23 08:30 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	<0.58	ug/L	2.8	0.58	1		11/09/23 09:35	74-82-8	
6020B MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<58.7	ug/L	250	58.7	1	11/03/23 05:18	11/13/23 13:03	7429-90-5	
Antimony, Dissolved	<0.15	ug/L	1.0	0.15	1	11/03/23 05:18	11/13/23 13:03	7440-36-0	
Copper, Dissolved	<1.9	ug/L	6.4	1.9	1	11/03/23 05:18	11/13/23 13:03	7440-50-8	
Iron, Dissolved	<58.0	ug/L	250	58.0	1	11/03/23 05:18	11/13/23 13:03	7439-89-6	
Manganese, Dissolved	<1.2	ug/L	4.0	1.2	1	11/03/23 05:18	11/13/23 13:03	7439-96-5	
Nickel, Dissolved	<0.28	ug/L	1.0	0.28	1	11/03/23 05:18	11/13/23 13:03	7440-02-0	
Silver, Dissolved	<0.13	ug/L	0.50	0.13	1	11/03/23 05:18	11/13/23 13:03	7440-22-4	
Vanadium, Dissolved	<0.32	ug/L	1.0	0.32	1	11/03/23 05:18	11/13/23 13:03	7440-62-2	
Zinc, Dissolved	<10.3	ug/L	34.4	10.3	1	11/03/23 05:18	11/13/23 13:03	7440-66-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	0.019J	ug/L	0.053	0.015	1	11/07/23 09:52	11/08/23 13:04	83-32-9	
Acenaphthylene	<0.013	ug/L	0.053	0.013	1	11/07/23 09:52	11/08/23 13:04	208-96-8	
Anthracene	<0.019	ug/L	0.053	0.019	1	11/07/23 09:52	11/08/23 13:04	120-12-7	
Benzo(a)anthracene	<0.014	ug/L	0.053	0.014	1	11/07/23 09:52	11/08/23 13:04	56-55-3	
Benzo(a)pyrene	<0.013	ug/L	0.053	0.013	1	11/07/23 09:52	11/08/23 13:04	50-32-8	
Benzo(b)fluoranthene	<0.0096	ug/L	0.053	0.0096	1	11/07/23 09:52	11/08/23 13:04	205-99-2	
Benzo(g,h,i)perylene	<0.024	ug/L	0.053	0.024	1	11/07/23 09:52	11/08/23 13:04	191-24-2	
Benzo(k)fluoranthene	<0.023	ug/L	0.053	0.023	1	11/07/23 09:52	11/08/23 13:04	207-08-9	
Chrysene	<0.013	ug/L	0.053	0.013	1	11/07/23 09:52	11/08/23 13:04	218-01-9	
Dibenz(a,h)anthracene	<0.019	ug/L	0.053	0.019	1	11/07/23 09:52	11/08/23 13:04	53-70-3	L2
Fluoranthene	<0.027	ug/L	0.053	0.027	1	11/07/23 09:52	11/08/23 13:04	206-44-0	
Fluorene	<0.025	ug/L	0.053	0.025	1	11/07/23 09:52	11/08/23 13:04	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.053	0.016	1	11/07/23 09:52	11/08/23 13:04	193-39-5	
1-Methylnaphthalene	0.031J	ug/L	0.053	0.019	1	11/07/23 09:52	11/08/23 13:04	90-12-0	
2-Methylnaphthalene	0.046J	ug/L	0.053	0.014	1	11/07/23 09:52	11/08/23 13:04	91-57-6	
Naphthalene	0.12	ug/L	0.053	0.021	1	11/07/23 09:52	11/08/23 13:04	91-20-3	
Phenanthrene	0.070	ug/L	0.053	0.027	1	11/07/23 09:52	11/08/23 13:04	85-01-8	
Pyrene	0.024J	ug/L	0.053	0.024	1	11/07/23 09:52	11/08/23 13:04	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	79	%	38-120		1	11/07/23 09:52	11/08/23 13:04	321-60-8	
Terphenyl-d14 (S)	89	%	47-121		1	11/07/23 09:52	11/08/23 13:04	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		11/07/23 13:12	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/07/23 13:12	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/07/23 13:12	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/07/23 13:12	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/07/23 13:12	179601-23-1	

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ANALYTICAL RESULTS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Sample: 110223028 **Lab ID: 40270488029** Collected: 11/02/23 08:30 Received: 11/02/23 09:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/07/23 13:12	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		11/07/23 13:12	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1		11/07/23 13:12	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		11/07/23 13:12	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	<0.44	mg/L	2.0	0.44	1		11/16/23 22:19	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	<7.4	mg/L	25.0	7.4	1		11/14/23 14:43		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		11/16/23 13:07		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

QC Batch:	459791	Analysis Method:	EPA 8015B Modified
QC Batch Method:	EPA 8015B Modified	Analysis Description:	Methane, Ethane, Ethene GCV
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40270488001, 40270488002, 40270488003, 40270488004, 40270488005, 40270488006, 40270488007, 40270488008, 40270488009, 40270488010, 40270488011, 40270488012, 40270488013, 40270488014, 40270488015, 40270488016, 40270488017, 40270488018, 40270488019, 40270488020		

METHOD BLANK:	2640536	Matrix:	Water
Associated Lab Samples:	40270488001, 40270488002, 40270488003, 40270488004, 40270488005, 40270488006, 40270488007, 40270488008, 40270488009, 40270488010, 40270488011, 40270488012, 40270488013, 40270488014, 40270488015, 40270488016, 40270488017, 40270488018, 40270488019, 40270488020		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	<0.58	2.8	11/08/23 10:36	

LABORATORY CONTROL SAMPLE & LCSD:	2640537	2640538									
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
Methane	ug/L	28.6	26.4	29.6	93	103	80-120	11	20		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	2640539	2640540										
Parameter	Units	40270488004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methane	ug/L	282	57.1	57.1	470	456	329	303	12-198	3	26	M1

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QUALITY CONTROL DATA

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

QC Batch: 459963	Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified	Analysis Description: Methane, Ethane, Ethene GCV
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40270488028, 40270488029

METHOD BLANK: 2641303 Matrix: Water

Associated Lab Samples: 40270488028, 40270488029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	<0.58	2.8	11/09/23 08:46	

LABORATORY CONTROL SAMPLE & LCSD: 2641304 2641305

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Methane	ug/L	28.6	25.4	27.4	89	96	80-120	7	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2641414 2641415

Parameter	Units	40270618002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methane	ug/L	<0.58	28.6	28.6	24.3	25.5	85	89	12-198	5	26	

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QUALITY CONTROL DATA

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

QC Batch:	459811	Analysis Method:	EPA 6020B
QC Batch Method:	EPA 3010A	Analysis Description:	6020B MET
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40270488017, 40270488020

METHOD BLANK: 2640617 Matrix: Water

Associated Lab Samples: 40270488017, 40270488020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<58.7	250	11/10/23 12:10	
Antimony	ug/L	<0.15	1.0	11/10/23 12:10	
Copper	ug/L	<1.9	6.4	11/10/23 12:10	
Iron	ug/L	<58.0	250	11/10/23 12:10	
Manganese	ug/L	<1.2	4.0	11/10/23 12:10	
Nickel	ug/L	0.33J	1.0	11/10/23 12:10	
Silver	ug/L	<0.13	0.50	11/10/23 12:10	
Vanadium	ug/L	<0.32	1.0	11/10/23 12:10	
Zinc	ug/L	<10.3	34.4	11/10/23 12:10	

LABORATORY CONTROL SAMPLE: 2640618

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9450	95	80-120	
Antimony	ug/L	250	244	98	80-120	
Copper	ug/L	250	233	93	80-120	
Iron	ug/L	10000	9700	97	80-120	
Manganese	ug/L	250	236	94	80-120	
Nickel	ug/L	250	233	93	80-120	
Silver	ug/L	125	112	90	80-120	
Vanadium	ug/L	250	240	96	80-120	
Zinc	ug/L	250	232	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2640619 2640620

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40270530004	Result	Spike Conc.	Spike Conc.								
Aluminum	ug/L	<58.7	10000	10000	9380	9670	94	97	75-125	3	20		
Antimony	ug/L	<0.15	250	250	241	250	97	100	75-125	3	20		
Copper	ug/L	<1.9	250	250	221	225	88	90	75-125	2	20		
Iron	ug/L	<58.0	10000	10000	9390	9610	94	96	75-125	2	20		
Manganese	ug/L	<1.2	250	250	227	234	90	93	75-125	3	20		
Nickel	ug/L	0.53J	250	250	227	233	91	93	75-125	2	20		
Silver	ug/L	<0.13	125	125	107	109	85	87	75-125	2	20		
Vanadium	ug/L	0.37J	250	250	240	243	96	97	75-125	1	20		
Zinc	ug/L	<10.3	250	250	223	230	89	92	75-125	3	20		

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QUALITY CONTROL DATA

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

QC Batch: 459434 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3010A Analysis Description: 6020B MET Dissolved
 Laboratory: Pace Analytical Services - Green Bay
 Associated Lab Samples: 40270488001, 40270488002, 40270488003, 40270488004, 40270488005, 40270488006, 40270488007, 40270488008, 40270488009, 40270488010, 40270488011, 40270488012, 40270488013, 40270488014, 40270488015, 40270488016, 40270488018, 40270488019, 40270488028, 40270488029

METHOD BLANK: 2638472 Matrix: Water
 Associated Lab Samples: 40270488001, 40270488002, 40270488003, 40270488004, 40270488005, 40270488006, 40270488007, 40270488008, 40270488009, 40270488010, 40270488011, 40270488012, 40270488013, 40270488014, 40270488015, 40270488016, 40270488018, 40270488019, 40270488028, 40270488029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	<58.7	250	11/10/23 06:54	
Antimony, Dissolved	ug/L	<0.15	1.0	11/10/23 06:54	
Copper, Dissolved	ug/L	<1.9	6.4	11/10/23 06:54	
Iron, Dissolved	ug/L	<58.0	250	11/10/23 06:54	
Manganese, Dissolved	ug/L	<1.2	4.0	11/10/23 06:54	
Nickel, Dissolved	ug/L	<0.28	1.0	11/10/23 06:54	
Silver, Dissolved	ug/L	<0.13	0.50	11/10/23 06:54	
Vanadium, Dissolved	ug/L	<0.32	1.0	11/10/23 06:54	
Zinc, Dissolved	ug/L	<10.3	34.4	11/10/23 06:54	

LABORATORY CONTROL SAMPLE: 2638473

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	9710	97	80-120	
Antimony, Dissolved	ug/L	250	252	101	80-120	
Copper, Dissolved	ug/L	250	240	96	80-120	
Iron, Dissolved	ug/L	10000	9850	98	80-120	
Manganese, Dissolved	ug/L	250	247	99	80-120	
Nickel, Dissolved	ug/L	250	243	97	80-120	
Silver, Dissolved	ug/L	125	120	96	80-120	
Vanadium, Dissolved	ug/L	250	242	97	80-120	
Zinc, Dissolved	ug/L	250	242	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2638474 2638475

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40270488004 Result	Spike Conc.	Spike Conc.	Conc.								
Aluminum, Dissolved	ug/L	<117	10000	10000	9400	9800	94	98	75-125	4	20		
Antimony, Dissolved	ug/L	1.8J	250	250	249	252	99	100	75-125	1	20		
Copper, Dissolved	ug/L	<3.8	250	250	231	236	92	94	75-125	2	20		
Iron, Dissolved	ug/L	1290	10000	10000	10800	11100	95	98	75-125	3	20		
Manganese, Dissolved	ug/L	954	250	250	1190	1230	94	109	75-125	3	20		
Nickel, Dissolved	ug/L	2.6	250	250	236	240	93	95	75-125	2	20		
Silver, Dissolved	ug/L	<0.25	125	125	114	115	91	92	75-125	1	20		

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QUALITY CONTROL DATA

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Parameter	Units	40270488004		2638474		2638475		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Vanadium, Dissolved	ug/L	2.1J	250	250	243	244	96	97	75-125	1	20			
Zinc, Dissolved	ug/L	<20.7	250	250	233	242	93	96	75-125	4	20			

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QUALITY CONTROL DATA

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

QC Batch:	459498	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV UST-WATER
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40270488001, 40270488002, 40270488003, 40270488004, 40270488005, 40270488006, 40270488007, 40270488008, 40270488009, 40270488010, 40270488011		

METHOD BLANK:	2638907	Matrix:	Water
Associated Lab Samples:	40270488001, 40270488002, 40270488003, 40270488004, 40270488005, 40270488006, 40270488007, 40270488008, 40270488009, 40270488010, 40270488011		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.30	1.0	11/06/23 09:47	
Ethylbenzene	ug/L	<0.33	1.0	11/06/23 09:47	
m&p-Xylene	ug/L	<0.70	2.0	11/06/23 09:47	
o-Xylene	ug/L	<0.35	1.0	11/06/23 09:47	
Toluene	ug/L	<0.29	1.0	11/06/23 09:47	
Xylene (Total)	ug/L	<1.0	3.0	11/06/23 09:47	
1,2-Dichlorobenzene-d4 (S)	%	108	70-130	11/06/23 09:47	
4-Bromofluorobenzene (S)	%	104	70-130	11/06/23 09:47	
Toluene-d8 (S)	%	103	70-130	11/06/23 09:47	

LABORATORY CONTROL SAMPLE: 2638908						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	55.6	111	70-130	
Ethylbenzene	ug/L	50	57.2	114	80-125	
m&p-Xylene	ug/L	100	113	113	70-130	
o-Xylene	ug/L	50	58.6	117	70-130	
Toluene	ug/L	50	55.6	111	80-120	
Xylene (Total)	ug/L	150	172	114	70-130	
1,2-Dichlorobenzene-d4 (S)	%			106	70-130	
4-Bromofluorobenzene (S)	%			112	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2638909 2638910													
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40270488004	Result	Conc.	Conc.								
Benzene	ug/L	37.0	50	50	96.3	89.2	119	104	70-130	8	20		
Ethylbenzene	ug/L	2.9	50	50	59.6	58.4	113	111	80-126	2	20		
m&p-Xylene	ug/L	<0.70	100	100	110	109	110	109	70-130	1	20		
o-Xylene	ug/L	1.9	50	50	59.0	57.9	114	112	70-130	2	20		
Toluene	ug/L	<0.29	50	50	54.1	53.1	108	106	80-121	2	20		
Xylene (Total)	ug/L				169	167				1	20		
1,2-Dichlorobenzene-d4 (S)	%						105	109	70-130				
4-Bromofluorobenzene (S)	%						112	113	70-130				
Toluene-d8 (S)	%						99	101	70-130				

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QUALITY CONTROL DATA

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

QC Batch:	459499	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV UST-WATER
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40270488012, 40270488013, 40270488014, 40270488015, 40270488016, 40270488017, 40270488018, 40270488019, 40270488020, 40270488021, 40270488022, 40270488023, 40270488024, 40270488025, 40270488026, 40270488027, 40270488028, 40270488029		

METHOD BLANK: 2638923 Matrix: Water
 Associated Lab Samples: 40270488012, 40270488013, 40270488014, 40270488015, 40270488016, 40270488017, 40270488018, 40270488019, 40270488020, 40270488021, 40270488022, 40270488023, 40270488024, 40270488025, 40270488026, 40270488027, 40270488028, 40270488029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.30	1.0	11/07/23 11:15	
Ethylbenzene	ug/L	<0.33	1.0	11/07/23 11:15	
m&p-Xylene	ug/L	<0.70	2.0	11/07/23 11:15	
o-Xylene	ug/L	<0.35	1.0	11/07/23 11:15	
Toluene	ug/L	<0.29	1.0	11/07/23 11:15	
Xylene (Total)	ug/L	<1.0	3.0	11/07/23 11:15	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130	11/07/23 11:15	
4-Bromofluorobenzene (S)	%	100	70-130	11/07/23 11:15	
Toluene-d8 (S)	%	99	70-130	11/07/23 11:15	

LABORATORY CONTROL SAMPLE: 2638924

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	50.0	100	70-130	
Ethylbenzene	ug/L	50	51.9	104	80-125	
m&p-Xylene	ug/L	100	104	104	70-130	
o-Xylene	ug/L	50	50.8	102	70-130	
Toluene	ug/L	50	50.2	100	80-120	
Xylene (Total)	ug/L	150	155	103	70-130	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2640206 2640207

Parameter	Units	MSD		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		40270488029	Result	Conc.	Conc.	Result	Result	% Rec	% Rec				
Benzene	ug/L	<0.30	50	50	46.8	49.3	94	99	70-130	5	20		
Ethylbenzene	ug/L	<0.33	50	50	48.6	50.2	97	100	80-126	3	20		
m&p-Xylene	ug/L	<0.70	100	100	98.4	101	98	101	70-130	3	20		
o-Xylene	ug/L	<0.35	50	50	48.8	49.8	98	100	70-130	2	20		
Toluene	ug/L	<0.29	50	50	47.4	49.7	95	99	80-121	5	20		
Xylene (Total)	ug/L	<1.0	150	150	147	151	98	101	70-130	2	20		
1,2-Dichlorobenzene-d4 (S)	%						100	101	70-130				

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QUALITY CONTROL DATA

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2640206												2640207	
Parameter	Units	40270488029 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
4-Bromofluorobenzene (S)	%							100	102	70-130			
Toluene-d8 (S)	%							99	98	70-130			

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QUALITY CONTROL DATA

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

QC Batch: 459463 Analysis Method: EPA 8270E by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270E Water PAH
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40270488001, 40270488002, 40270488003, 40270488004, 40270488005, 40270488006, 40270488007, 40270488008, 40270488009, 40270488010

METHOD BLANK: 2638574 Matrix: Water
Associated Lab Samples: 40270488001, 40270488002, 40270488003, 40270488004, 40270488005, 40270488006, 40270488007, 40270488008, 40270488009, 40270488010

Table with 6 columns: Parameter, Units, Blank Result, Reporting Limit, Analyzed, Qualifiers. Lists various PAHs and their concentrations.

LABORATORY CONTROL SAMPLE: 2638575

Table with 7 columns: Parameter, Units, Spike Conc., LCS Result, LCS % Rec, % Rec Limits, Qualifiers. Shows spike recovery data for various PAHs.

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QUALITY CONTROL DATA

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

LABORATORY CONTROL SAMPLE: 2638575

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluorene	ug/L	2	1.9	93	61-120	
Indeno(1,2,3-cd)pyrene	ug/L	2	2.0	100	62-120	
Naphthalene	ug/L	2	1.7	86	55-120	
Phenanthrene	ug/L	2	1.9	96	55-120	
Pyrene	ug/L	2	1.9	97	53-120	
2-Fluorobiphenyl (S)	%			95	38-120	
Terphenyl-d14 (S)	%			114	47-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2638576 2638577

Parameter	Units	40270488004		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
1-Methylnaphthalene	ug/L	4.9	2	2	5.7	5.2	40	15	32-120	9	25	M1	
2-Methylnaphthalene	ug/L	<0.028	2	2	1.3	1.3	63	63	37-120	1	22		
Acenaphthene	ug/L	7.2	2	2	8.2	7.4	49	9	52-120	10	20	M1	
Acenaphthylene	ug/L	0.25	2	2	1.8	1.7	76	72	49-120	3	20		
Anthracene	ug/L	0.18	2	2	1.9	1.9	88	84	45-120	3	25		
Benzo(a)anthracene	ug/L	<0.028	2	2	1.1	1.0	57	51	31-120	10	25		
Benzo(a)pyrene	ug/L	<0.026	2	2	1.5	1.7	76	83	38-120	10	24		
Benzo(b)fluoranthene	ug/L	<0.019	2	2	1.8	1.9	91	92	36-120	3	24		
Benzo(g,h,i)perylene	ug/L	<0.048	2	2	1.4	1.4	69	69	43-120	2	23		
Benzo(k)fluoranthene	ug/L	<0.046	2	2	1.8	1.9	91	95	46-120	6	21		
Chrysene	ug/L	<0.026	2	2	2.4	2.7	122	135	39-143	11	23		
Dibenz(a,h)anthracene	ug/L	<0.037	2	2	1.1	1.1	55	54	32-125	0	22		
Fluoranthene	ug/L	<0.054	2	2	1.9	1.9	92	94	56-120	4	21		
Fluorene	ug/L	0.62	2	2	2.1	1.9	73	64	45-120	7	20		
Indeno(1,2,3-cd)pyrene	ug/L	<0.032	2	2	1.1	1.2	57	58	42-120	4	23		
Naphthalene	ug/L	13.3	2	2	13.2	12.1	-3	-57	50-120	9	23	D3,M1	
Phenanthrene	ug/L	0.069J	2	2	1.6	1.6	78	78	47-120	2	21		
Pyrene	ug/L	<0.046	2	2	2.0	2.0	101	101	47-120	1	23		
2-Fluorobiphenyl (S)	%						76	77	38-120				
Terphenyl-d14 (S)	%						104	103	47-121				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

QC Batch: 459615 Analysis Method: EPA 8270E by SIM
 QC Batch Method: EPA 3510 Analysis Description: 8270E Water PAH
 Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40270488011, 40270488012, 40270488013, 40270488014, 40270488015, 40270488016, 40270488017, 40270488018, 40270488019, 40270488021, 40270488022, 40270488023, 40270488024, 40270488025, 40270488027

METHOD BLANK: 2639552 Matrix: Water

Associated Lab Samples: 40270488011, 40270488012, 40270488013, 40270488014, 40270488015, 40270488016, 40270488017, 40270488018, 40270488019, 40270488021, 40270488022, 40270488023, 40270488024, 40270488025, 40270488027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.018	0.050	11/07/23 11:46	
2-Methylnaphthalene	ug/L	<0.014	0.050	11/07/23 11:46	
Acenaphthene	ug/L	<0.014	0.050	11/07/23 11:46	
Acenaphthylene	ug/L	<0.013	0.050	11/07/23 11:46	
Anthracene	ug/L	<0.018	0.050	11/07/23 11:46	
Benzo(a)anthracene	ug/L	<0.014	0.050	11/07/23 11:46	
Benzo(a)pyrene	ug/L	<0.013	0.050	11/07/23 11:46	
Benzo(b)fluoranthene	ug/L	<0.0091	0.050	11/07/23 11:46	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	11/07/23 11:46	
Benzo(k)fluoranthene	ug/L	<0.022	0.050	11/07/23 11:46	
Chrysene	ug/L	0.013J	0.050	11/07/23 11:46	
Dibenz(a,h)anthracene	ug/L	<0.018	0.050	11/07/23 11:46	
Fluoranthene	ug/L	<0.026	0.050	11/07/23 11:46	
Fluorene	ug/L	<0.024	0.050	11/07/23 11:46	
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	0.050	11/07/23 11:46	
Naphthalene	ug/L	<0.020	0.050	11/07/23 11:46	
Phenanthrene	ug/L	<0.026	0.050	11/07/23 11:46	
Pyrene	ug/L	<0.023	0.050	11/07/23 11:46	
2-Fluorobiphenyl (S)	%	76	38-120	11/07/23 11:46	
Terphenyl-d14 (S)	%	108	47-121	11/07/23 11:46	

LABORATORY CONTROL SAMPLE: 2639553

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	1.6	78	57-120	
2-Methylnaphthalene	ug/L	2	1.5	77	55-120	
Acenaphthene	ug/L	2	1.6	81	60-120	
Acenaphthylene	ug/L	2	1.7	83	58-120	
Anthracene	ug/L	2	1.8	88	58-120	
Benzo(a)anthracene	ug/L	2	1.7	86	51-120	
Benzo(a)pyrene	ug/L	2	1.7	87	59-120	
Benzo(b)fluoranthene	ug/L	2	2.0	102	52-120	
Benzo(g,h,i)perylene	ug/L	2	1.7	87	62-120	
Benzo(k)fluoranthene	ug/L	2	1.7	86	59-120	
Chrysene	ug/L	2	1.8	89	55-125	

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QUALITY CONTROL DATA

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

LABORATORY CONTROL SAMPLE: 2639553

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibenz(a,h)anthracene	ug/L	2	1.7	84	60-120	
Fluoranthene	ug/L	2	1.8	90	62-120	
Fluorene	ug/L	2	1.7	84	61-120	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.7	87	62-120	
Naphthalene	ug/L	2	1.5	77	55-120	
Phenanthrene	ug/L	2	1.7	86	55-120	
Pyrene	ug/L	2	1.8	88	53-120	
2-Fluorobiphenyl (S)	%			87	38-120	
Terphenyl-d14 (S)	%			100	47-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2639554 2639555

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40270517007 Result	Spike Conc.	Spike Conc.	Result						
1-Methylnaphthalene	ug/L	<0.018	2	2	1.8	1.6	88	78	32-120	11	25
2-Methylnaphthalene	ug/L	<0.014	2	2	1.7	1.5	84	73	37-120	14	22
Acenaphthene	ug/L	<0.014	2	2	1.6	1.5	80	77	52-120	5	20
Acenaphthylene	ug/L	<0.013	2	2	1.6	1.5	80	75	49-120	7	20
Anthracene	ug/L	<0.018	2	2	1.9	1.7	95	85	45-120	11	25
Benzo(a)anthracene	ug/L	<0.014	2	2	0.97	0.98	49	49	31-120	1	25
Benzo(a)pyrene	ug/L	<0.013	2	2	1.7	1.7	86	84	38-120	2	24
Benzo(b)fluoranthene	ug/L	<0.0091	2	2	1.9	1.9	97	93	36-120	4	24
Benzo(g,h,i)perylene	ug/L	<0.023	2	2	1.3	1.2	63	62	43-120	1	23
Benzo(k)fluoranthene	ug/L	<0.022	2	2	1.9	1.8	94	89	46-120	5	21
Chrysene	ug/L	<0.013	2	2	2.5	2.3	124	117	39-143	5	23
Dibenz(a,h)anthracene	ug/L	<0.018	2	2	1.1	1.2	54	62	32-125	14	22
Fluoranthene	ug/L	<0.026	2	2	1.9	1.8	95	87	56-120	8	21
Fluorene	ug/L	<0.024	2	2	1.6	1.5	79	76	45-120	3	20
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	2	2	1.2	1.2	62	61	42-120	0	23
Naphthalene	ug/L	<0.020	2	2	2.7	1.7	136	82	50-120	49	23 M1,R1
Phenanthrene	ug/L	<0.026	2	2	1.6	1.5	81	76	47-120	6	21
Pyrene	ug/L	<0.023	2	2	2.0	1.8	99	91	47-120	9	23
2-Fluorobiphenyl (S)	%						88	86	38-120		
Terphenyl-d14 (S)	%						110	107	47-121		

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QUALITY CONTROL DATA

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

QC Batch: 459703 Analysis Method: EPA 8270E by SIM
 QC Batch Method: EPA 3510 Analysis Description: 8270E Water PAH
 Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40270488020, 40270488028, 40270488029

METHOD BLANK: 2639975 Matrix: Water

Associated Lab Samples: 40270488020, 40270488028, 40270488029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.018	0.050	11/07/23 14:29	
2-Methylnaphthalene	ug/L	<0.014	0.050	11/07/23 14:29	
Acenaphthene	ug/L	<0.014	0.050	11/07/23 14:29	
Acenaphthylene	ug/L	<0.013	0.050	11/07/23 14:29	
Anthracene	ug/L	<0.018	0.050	11/07/23 14:29	
Benzo(a)anthracene	ug/L	<0.014	0.050	11/07/23 14:29	
Benzo(a)pyrene	ug/L	<0.013	0.050	11/07/23 14:29	
Benzo(b)fluoranthene	ug/L	<0.0091	0.050	11/07/23 14:29	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	11/07/23 14:29	
Benzo(k)fluoranthene	ug/L	<0.022	0.050	11/07/23 14:29	
Chrysene	ug/L	<0.013	0.050	11/07/23 14:29	
Dibenz(a,h)anthracene	ug/L	<0.018	0.050	11/07/23 14:29	
Fluoranthene	ug/L	<0.026	0.050	11/07/23 14:29	
Fluorene	ug/L	<0.024	0.050	11/07/23 14:29	
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	0.050	11/07/23 14:29	
Naphthalene	ug/L	<0.020	0.050	11/07/23 14:29	
Phenanthrene	ug/L	<0.026	0.050	11/07/23 14:29	
Pyrene	ug/L	<0.023	0.050	11/07/23 14:29	
2-Fluorobiphenyl (S)	%	79	38-120	11/07/23 14:29	
Terphenyl-d14 (S)	%	100	47-121	11/07/23 14:29	

LABORATORY CONTROL SAMPLE: 2639976

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	1.3	67	57-120	
2-Methylnaphthalene	ug/L	2	1.3	67	55-120	
Acenaphthene	ug/L	2	1.4	69	60-120	
Acenaphthylene	ug/L	2	1.4	68	58-120	
Anthracene	ug/L	2	1.5	75	58-120	
Benzo(a)anthracene	ug/L	2	1.5	74	51-120	
Benzo(a)pyrene	ug/L	2	1.5	74	59-120	
Benzo(b)fluoranthene	ug/L	2	1.6	82	52-120	
Benzo(g,h,i)perylene	ug/L	2	1.5	73	62-120	
Benzo(k)fluoranthene	ug/L	2	1.5	75	59-120	
Chrysene	ug/L	2	1.7	83	55-125	
Dibenz(a,h)anthracene	ug/L	2	1.1	57	60-120 L2	
Fluoranthene	ug/L	2	1.5	77	62-120	
Fluorene	ug/L	2	1.4	71	61-120	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.5	73	62-120	

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QUALITY CONTROL DATA

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

LABORATORY CONTROL SAMPLE: 2639976

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	2	1.3	67	55-120	
Phenanthrene	ug/L	2	1.4	72	55-120	
Pyrene	ug/L	2	1.4	72	53-120	
2-Fluorobiphenyl (S)	%			79	38-120	
Terphenyl-d14 (S)	%			87	47-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2639977 2639978

Parameter	Units	40270517008		2639977		2639978		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MS Spike Conc.	MS Result	MS Spike Conc.	MSD Result	MSD Spike Conc.						
1-Methylnaphthalene	ug/L	<0.018	2	2	1.4	1.4	72	68	32-120	5	25		
2-Methylnaphthalene	ug/L	0.017J	2	2	1.4	1.3	69	65	37-120	5	22		
Acenaphthene	ug/L	<0.014	2	2	1.5	1.4	73	69	52-120	7	20		
Acenaphthylene	ug/L	<0.013	2	2	1.3	1.2	65	62	49-120	4	20		
Anthracene	ug/L	<0.018	2	2	1.6	1.5	82	73	45-120	12	25		
Benzo(a)anthracene	ug/L	<0.014	2	2	1.1	1.2	53	60	31-120	11	25		
Benzo(a)pyrene	ug/L	<0.013	2	2	1.5	1.5	77	74	38-120	4	24		
Benzo(b)fluoranthene	ug/L	<0.0091	2	2	1.7	1.7	87	83	36-120	4	24		
Benzo(g,h,i)perylene	ug/L	<0.023	2	2	1.3	1.2	63	62	43-120	0	23		
Benzo(k)fluoranthene	ug/L	<0.022	2	2	1.7	1.5	84	77	46-120	10	21		
Chrysene	ug/L	<0.013	2	2	1.9	1.8	97	88	39-143	10	23		
Dibenz(a,h)anthracene	ug/L	<0.018	2	2	1.1	1.2	55	58	32-125	6	22		
Fluoranthene	ug/L	<0.026	2	2	1.7	1.6	87	79	56-120	9	21		
Fluorene	ug/L	<0.024	2	2	1.4	1.4	71	70	45-120	1	20		
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	2	2	1.1	1.1	57	56	42-120	2	23		
Naphthalene	ug/L	<0.020	2	2	1.5	1.4	75	69	50-120	8	23		
Phenanthrene	ug/L	<0.026	2	2	1.6	1.4	77	71	47-120	8	21		
Pyrene	ug/L	<0.023	2	2	1.5	1.5	76	72	47-120	6	23		
2-Fluorobiphenyl (S)	%						84	81	38-120				
Terphenyl-d14 (S)	%						93	89	47-121				

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QUALITY CONTROL DATA

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

QC Batch:	460282	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40270488001, 40270488002, 40270488003, 40270488004, 40270488005, 40270488006, 40270488007, 40270488008, 40270488009		

METHOD BLANK:	2643247	Matrix:	Water
Associated Lab Samples:	40270488001, 40270488002, 40270488003, 40270488004, 40270488005, 40270488006, 40270488007, 40270488008, 40270488009		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	11/16/23 06:31	

LABORATORY CONTROL SAMPLE: 2643248						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	21.6	108	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2643249												2643250	
Parameter	Units	40270488004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Sulfate	mg/L	76.1	100	100	185	184	109	108	90-110	1	15		

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QUALITY CONTROL DATA

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

QC Batch:	460283	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40270488010, 40270488011, 40270488012, 40270488013, 40270488014, 40270488015, 40270488016, 40270488017, 40270488018, 40270488019		

METHOD BLANK:	2643251	Matrix:	Water
Associated Lab Samples:	40270488010, 40270488011, 40270488012, 40270488013, 40270488014, 40270488015, 40270488016, 40270488017, 40270488018, 40270488019		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	11/17/23 09:59	

LABORATORY CONTROL SAMPLE: 2643252						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	18.5	92	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2643253												2643254	
Parameter	Units	40270488010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Sulfate	mg/L	20.4	100	100	127	126	106	106	90-110	0	15		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2645101												2645102	
Parameter	Units	40271087001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Sulfate	mg/L	53.1	100	100	159	159	105	106	90-110	0	15		

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QUALITY CONTROL DATA

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

QC Batch:	460378	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40270488020, 40270488028, 40270488029

METHOD BLANK: 2643713 Matrix: Water

Associated Lab Samples: 40270488020, 40270488028, 40270488029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	11/16/23 20:05	

LABORATORY CONTROL SAMPLE: 2643714

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	19.2	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2643715 2643716

Parameter	Units	2643715		2643716		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Sulfate	mg/L	861	2000	3010	2840	107	99	90-110	6	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2643717 2643718

Parameter	Units	2643717		2643718		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Sulfate	mg/L	325	200	530	525	103	100	90-110	1	15	

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QUALITY CONTROL DATA

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

QC Batch:	459732	Analysis Method:	EPA 310.2
QC Batch Method:	EPA 310.2	Analysis Description:	310.2 Alkalinity
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40270488001, 40270488002, 40270488003, 40270488004, 40270488005, 40270488006, 40270488007, 40270488008		

METHOD BLANK:	2640154	Matrix:	Water
Associated Lab Samples:	40270488001, 40270488002, 40270488003, 40270488004, 40270488005, 40270488006, 40270488007, 40270488008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<7.4	25.0	11/08/23 08:58	

LABORATORY CONTROL SAMPLE: 2640155						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	100	104	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2640156												2640157	
Parameter	Units	40270488004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Alkalinity, Total as CaCO3	mg/L	484	200	200	678	683	97	100	90-110	1	20		

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QUALITY CONTROL DATA

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

QC Batch:	460330	Analysis Method:	EPA 310.2
QC Batch Method:	EPA 310.2	Analysis Description:	310.2 Alkalinity
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40270488009, 40270488010, 40270488011, 40270488012, 40270488013, 40270488014, 40270488015, 40270488016, 40270488017, 40270488018, 40270488019, 40270488020		

METHOD BLANK:	2643413	Matrix:	Water
Associated Lab Samples:	40270488009, 40270488010, 40270488011, 40270488012, 40270488013, 40270488014, 40270488015, 40270488016, 40270488017, 40270488018, 40270488019, 40270488020		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<7.4	25.0	11/14/23 14:00	

LABORATORY CONTROL SAMPLE: 2643414

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	100	101	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2643415 2643416

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		Result	Conc.	Result	Conc.							
Alkalinity, Total as CaCO3	mg/L	4760J	50000	50000	57400	56500	105	103	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2643417 2643418

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		Result	Conc.	Result	Conc.							
Alkalinity, Total as CaCO3	mg/L	142	100	100	246	248	104	107	90-110	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

QC Batch:	460331	Analysis Method:	EPA 310.2
QC Batch Method:	EPA 310.2	Analysis Description:	310.2 Alkalinity
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40270488028, 40270488029

METHOD BLANK: 2643419 Matrix: Water

Associated Lab Samples: 40270488028, 40270488029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<7.4	25.0	11/14/23 14:37	

LABORATORY CONTROL SAMPLE: 2643420

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	100	107	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2643421 2643422

Parameter	Units	2643421		2643422		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Alkalinity, Total as CaCO3	mg/L	370	100	100	464	467	94	97	90-110	0	20	

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QUALITY CONTROL DATA

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

QC Batch:	460481	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate + Nitrite, preserved
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40270488001, 40270488002, 40270488003, 40270488005, 40270488006, 40270488007, 40270488008, 40270488009, 40270488010, 40270488011, 40270488012, 40270488013, 40270488014, 40270488015, 40270488016, 40270488017, 40270488018, 40270488019, 40270488020		

METHOD BLANK:	2644258	Matrix:	Water
Associated Lab Samples:	40270488001, 40270488002, 40270488003, 40270488005, 40270488006, 40270488007, 40270488008, 40270488009, 40270488010, 40270488011, 40270488012, 40270488013, 40270488014, 40270488015, 40270488016, 40270488017, 40270488018, 40270488019, 40270488020		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.059	0.25	11/16/23 12:37	

LABORATORY CONTROL SAMPLE:	2644259					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.6	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	2644260			2644261								
Parameter	Units	40270488001 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	8.8	5	5	13.5	13.5	95	94	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	2644262			2644263								
Parameter	Units	40270488020 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	0.35	2.5	2.5	2.8	2.9	98	101	90-110	2	20	

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QUALITY CONTROL DATA

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

QC Batch: 460482

Analysis Method: EPA 353.2

QC Batch Method: EPA 353.2

Analysis Description: 353.2 Nitrate + Nitrite, preserved

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40270488028, 40270488029

METHOD BLANK: 2644264

Matrix: Water

Associated Lab Samples: 40270488028, 40270488029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.059	0.25	11/16/23 13:01	

LABORATORY CONTROL SAMPLE: 2644265

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.4	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2644266 2644267

Parameter	Units	2644266		2644267		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Nitrogen, NO2 plus NO3	mg/L	4.2	2.5	6.7	6.8	99	103	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2644303 2644304

Parameter	Units	2644303		2644304		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Nitrogen, NO2 plus NO3	mg/L	5.3	2.5	7.8	7.8	96	99	90-110	1	20	

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QUALITY CONTROL DATA

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

QC Batch: 460693

Analysis Method: EPA 353.2

QC Batch Method: EPA 353.2

Analysis Description: 353.2 Nitrate + Nitrite, preserved

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40270488004

METHOD BLANK: 2645273

Matrix: Water

Associated Lab Samples: 40270488004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.059	0.25	11/17/23 07:13	

LABORATORY CONTROL SAMPLE: 2645274

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.5	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2645275 2645276

Parameter	Units	2645275		2645276		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Nitrogen, NO2 plus NO3	mg/L	<0.059	2.5	2.5	2.5	2.5	102	98	90-110	4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2645277 2645278

Parameter	Units	2645277		2645278		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Nitrogen, NO2 plus NO3	mg/L	3.3	2.5	2.5	5.7	5.8	99	100	90-110	1	20	

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QUALIFIERS

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

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.

DL - Adjusted Method Detection Limit.

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

1q There was no hold time left to re-extract the sample.

2q There was no hold time left to re-extract the sample.

B Analyte was detected in the associated method blank.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

S0 Surrogate recovery outside laboratory control limits.

S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

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

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40270488001	103123001	EPA 8015B Modified	459791		
40270488002	103123002	EPA 8015B Modified	459791		
40270488003	103123003	EPA 8015B Modified	459791		
40270488004	103123004	EPA 8015B Modified	459791		
40270488005	103123005	EPA 8015B Modified	459791		
40270488006	103123006	EPA 8015B Modified	459791		
40270488007	103123007	EPA 8015B Modified	459791		
40270488008	103123008	EPA 8015B Modified	459791		
40270488009	110123009	EPA 8015B Modified	459791		
40270488010	110123010	EPA 8015B Modified	459791		
40270488011	110123012	EPA 8015B Modified	459791		
40270488012	110123013	EPA 8015B Modified	459791		
40270488013	110123014	EPA 8015B Modified	459791		
40270488014	110123015	EPA 8015B Modified	459791		
40270488015	110123016	EPA 8015B Modified	459791		
40270488016	110123017	EPA 8015B Modified	459791		
40270488017	110123018	EPA 8015B Modified	459791		
40270488018	110123022	EPA 8015B Modified	459791		
40270488019	110123023	EPA 8015B Modified	459791		
40270488020	110223026	EPA 8015B Modified	459791		
40270488028	110223027	EPA 8015B Modified	459963		
40270488029	110223028	EPA 8015B Modified	459963		
40270488017	110123018	EPA 3010A	459811	EPA 6020B	459924
40270488020	110223026	EPA 3010A	459811	EPA 6020B	459924
40270488001	103123001	EPA 3010A	459434	EPA 6020B	459520
40270488002	103123002	EPA 3010A	459434	EPA 6020B	459520
40270488003	103123003	EPA 3010A	459434	EPA 6020B	459520
40270488004	103123004	EPA 3010A	459434	EPA 6020B	459520
40270488005	103123005	EPA 3010A	459434	EPA 6020B	459520
40270488006	103123006	EPA 3010A	459434	EPA 6020B	459520
40270488007	103123007	EPA 3010A	459434	EPA 6020B	459520
40270488008	103123008	EPA 3010A	459434	EPA 6020B	459520
40270488009	110123009	EPA 3010A	459434	EPA 6020B	459520
40270488010	110123010	EPA 3010A	459434	EPA 6020B	459520
40270488011	110123012	EPA 3010A	459434	EPA 6020B	459520
40270488012	110123013	EPA 3010A	459434	EPA 6020B	459520
40270488013	110123014	EPA 3010A	459434	EPA 6020B	459520
40270488014	110123015	EPA 3010A	459434	EPA 6020B	459520
40270488015	110123016	EPA 3010A	459434	EPA 6020B	459520
40270488016	110123017	EPA 3010A	459434	EPA 6020B	459520
40270488018	110123022	EPA 3010A	459434	EPA 6020B	459520
40270488019	110123023	EPA 3010A	459434	EPA 6020B	459520
40270488028	110223027	EPA 3010A	459434	EPA 6020B	459520
40270488029	110223028	EPA 3010A	459434	EPA 6020B	459520
40270488001	103123001	EPA 3510	459463	EPA 8270E by SIM	459515
40270488002	103123002	EPA 3510	459463	EPA 8270E by SIM	459515
40270488003	103123003	EPA 3510	459463	EPA 8270E by SIM	459515

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40270488004	103123004	EPA 3510	459463	EPA 8270E by SIM	459515
40270488005	103123005	EPA 3510	459463	EPA 8270E by SIM	459515
40270488006	103123006	EPA 3510	459463	EPA 8270E by SIM	459515
40270488007	103123007	EPA 3510	459463	EPA 8270E by SIM	459515
40270488008	103123008	EPA 3510	459463	EPA 8270E by SIM	459515
40270488009	110123009	EPA 3510	459463	EPA 8270E by SIM	459515
40270488010	110123010	EPA 3510	459463	EPA 8270E by SIM	459515
40270488011	110123012	EPA 3510	459615	EPA 8270E by SIM	459673
40270488012	110123013	EPA 3510	459615	EPA 8270E by SIM	459673
40270488013	110123014	EPA 3510	459615	EPA 8270E by SIM	459673
40270488014	110123015	EPA 3510	459615	EPA 8270E by SIM	459673
40270488015	110123016	EPA 3510	459615	EPA 8270E by SIM	459673
40270488016	110123017	EPA 3510	459615	EPA 8270E by SIM	459673
40270488017	110123018	EPA 3510	459615	EPA 8270E by SIM	459673
40270488018	110123022	EPA 3510	459615	EPA 8270E by SIM	459673
40270488019	110123023	EPA 3510	459615	EPA 8270E by SIM	459673
40270488020	110223026	EPA 3510	459703	EPA 8270E by SIM	459747
40270488021	110123011	EPA 3510	459615	EPA 8270E by SIM	459673
40270488022	110123019	EPA 3510	459615	EPA 8270E by SIM	459673
40270488023	110123020	EPA 3510	459615	EPA 8270E by SIM	459673
40270488024	110123021	EPA 3510	459615	EPA 8270E by SIM	459673
40270488025	110123024	EPA 3510	459615	EPA 8270E by SIM	459673
40270488027	110123025	EPA 3510	459615	EPA 8270E by SIM	459673
40270488028	110223027	EPA 3510	459703	EPA 8270E by SIM	459747
40270488029	110223028	EPA 3510	459703	EPA 8270E by SIM	459747
40270488001	103123001	EPA 8260	459498		
40270488002	103123002	EPA 8260	459498		
40270488003	103123003	EPA 8260	459498		
40270488004	103123004	EPA 8260	459498		
40270488005	103123005	EPA 8260	459498		
40270488006	103123006	EPA 8260	459498		
40270488007	103123007	EPA 8260	459498		
40270488008	103123008	EPA 8260	459498		
40270488009	110123009	EPA 8260	459498		
40270488010	110123010	EPA 8260	459498		
40270488011	110123012	EPA 8260	459498		
40270488012	110123013	EPA 8260	459499		
40270488013	110123014	EPA 8260	459499		
40270488014	110123015	EPA 8260	459499		
40270488015	110123016	EPA 8260	459499		
40270488016	110123017	EPA 8260	459499		
40270488017	110123018	EPA 8260	459499		
40270488018	110123022	EPA 8260	459499		
40270488019	110123023	EPA 8260	459499		
40270488020	110223026	EPA 8260	459499		
40270488021	110123011	EPA 8260	459499		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40270488022	110123019	EPA 8260	459499		
40270488023	110123020	EPA 8260	459499		
40270488024	110123021	EPA 8260	459499		
40270488025	110123024	EPA 8260	459499		
40270488026	TB01	EPA 8260	459499		
40270488027	110123025	EPA 8260	459499		
40270488028	110223027	EPA 8260	459499		
40270488029	110223028	EPA 8260	459499		
40270488001	103123001	EPA 300.0	460282		
40270488002	103123002	EPA 300.0	460282		
40270488003	103123003	EPA 300.0	460282		
40270488004	103123004	EPA 300.0	460282		
40270488005	103123005	EPA 300.0	460282		
40270488006	103123006	EPA 300.0	460282		
40270488007	103123007	EPA 300.0	460282		
40270488008	103123008	EPA 300.0	460282		
40270488009	110123009	EPA 300.0	460282		
40270488010	110123010	EPA 300.0	460283		
40270488011	110123012	EPA 300.0	460283		
40270488012	110123013	EPA 300.0	460283		
40270488013	110123014	EPA 300.0	460283		
40270488014	110123015	EPA 300.0	460283		
40270488015	110123016	EPA 300.0	460283		
40270488016	110123017	EPA 300.0	460283		
40270488017	110123018	EPA 300.0	460283		
40270488018	110123022	EPA 300.0	460283		
40270488019	110123023	EPA 300.0	460283		
40270488020	110223026	EPA 300.0	460378		
40270488028	110223027	EPA 300.0	460378		
40270488029	110223028	EPA 300.0	460378		
40270488001	103123001	EPA 310.2	459732		
40270488002	103123002	EPA 310.2	459732		
40270488003	103123003	EPA 310.2	459732		
40270488004	103123004	EPA 310.2	459732		
40270488005	103123005	EPA 310.2	459732		
40270488006	103123006	EPA 310.2	459732		
40270488007	103123007	EPA 310.2	459732		
40270488008	103123008	EPA 310.2	459732		
40270488009	110123009	EPA 310.2	460330		
40270488010	110123010	EPA 310.2	460330		
40270488011	110123012	EPA 310.2	460330		
40270488012	110123013	EPA 310.2	460330		
40270488013	110123014	EPA 310.2	460330		
40270488014	110123015	EPA 310.2	460330		
40270488015	110123016	EPA 310.2	460330		
40270488016	110123017	EPA 310.2	460330		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 194101157 Marinette Former MGP

Pace Project No.: 40270488

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40270488017	110123018	EPA 310.2	460330		
40270488018	110123022	EPA 310.2	460330		
40270488019	110123023	EPA 310.2	460330		
40270488020	110223026	EPA 310.2	460330		
40270488028	110223027	EPA 310.2	460331		
40270488029	110223028	EPA 310.2	460331		
40270488001	103123001	EPA 353.2	460481		
40270488002	103123002	EPA 353.2	460481		
40270488003	103123003	EPA 353.2	460481		
40270488004	103123004	EPA 353.2	460693		
40270488005	103123005	EPA 353.2	460481		
40270488006	103123006	EPA 353.2	460481		
40270488007	103123007	EPA 353.2	460481		
40270488008	103123008	EPA 353.2	460481		
40270488009	110123009	EPA 353.2	460481		
40270488010	110123010	EPA 353.2	460481		
40270488011	110123012	EPA 353.2	460481		
40270488012	110123013	EPA 353.2	460481		
40270488013	110123014	EPA 353.2	460481		
40270488014	110123015	EPA 353.2	460481		
40270488015	110123016	EPA 353.2	460481		
40270488016	110123017	EPA 353.2	460481		
40270488017	110123018	EPA 353.2	460481		
40270488018	110123022	EPA 353.2	460481		
40270488019	110123023	EPA 353.2	460481		
40270488020	110223026	EPA 353.2	460481		
40270488028	110223027	EPA 353.2	460482		
40270488029	110223028	EPA 353.2	460482		

REPORT OF LABORATORY ANALYSIS

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

CHAIN-OF-CUSTODY Analytical Request Document
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Company Name: O'Brien & Gere Engineers, Inc. Integrys WI
Street Address: 234 W Florida St, Fifth Floor, Milwaukee, WI 53204
Contact/Report To: Emily Ruder
Phone #: 414-249-0678
E-Mail: eruder@ramboll.com
Cc E-Mail: **ASMALL@Ramboll.com**

LAB USE ONLY - Affix Workorder/Login Label Here

40270488

COC-101

Scan QR Code for instructions



Customer Project #: 194101157 Marinette Former MGP
Project Name: 194101157 Marinette Former MGP
Invoice To: Accounts - WEC
Invoice E-Mail: invoicecollector@wecenergygroup.com

Specify Container Size **
Identify Container Preservative Type***
Analysis Requested

Time Zone Collected: [] AK [] PT [] MT [] CT [] ET
County / State origin of sample(s): Wisconsin

Data Deliverables:
[] Level II [] Level III [] Level IV
[] EQUIS
[] Other

Regulatory Program (DW, RCRA, etc) as applicable
Rush (Pre-approval required):
[] 2 Day [] 3 day [] 5 day [] Other

353 2 Nitrogen, NO2/NO3 pres
6020 Al,Sb,Cu,Fe,Mn,Ni,Ag,V,Zn
8260 Benzene, Ethylbenzene
8270E MSSV PAH
8270E MSSV PAH short list
BTEX 8260
Methane
Sulfate, Alkalinity
Trip Blank

Proj. Mgr: **Brian Basten**
AcctNum / Client ID:
Table #:
Profile / Template: **3569**
Prelog / Bottle Ord. ID: **EZ 3014470**

* Matrix Codes (Insert in Matrix box below) Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res. CL2	Number & Type of Containers		353 2 Nitrogen, NO2/NO3 pres	6020 Al,Sb,Cu,Fe,Mn,Ni,Ag,V,Zn	8260 Benzene, Ethylbenzene	8270E MSSV PAH	8270E MSSV PAH short list	BTEX 8260	Methane	Sulfate, Alkalinity	Trip Blank	Sample Comment
			Date	Time	Date	Time		Plastic	Glass										
103123001	WT	G	10-31	1304				3	8	X	X		X	X	X	X	X		001
103123002	WT			1343				3	8	X	X		X	X	X	X	X		002
103123003	WT			1411				3	8	X	X		X	X	X	X	X		003
103123004	WT			1512				9	24	X	X		X	X	X	X	X		MMSDD 004
103123005	WT			1624				3	8	X	X		X	X	X	X	X		005
103123006	WT			1655				3	8	X	X		X	X	X	X	X		006
103123007	WT			1700				3	8	X	X		X	X	X	X	X		007
103123008	WT			1730				3	8	X	X		X	X	X	X	X		008
110123009	WT		11-1	0754				3	8	X	X		X	X	X	X	X		009
110123010	WT			0839				3	8	X	X		X	X	X	X	X		010

Customer Remarks / Special Conditions / Possible Hazards

Collected By: Printed Name
Signature

Additional Instructions from Pace*:
Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C): Corrected Temp. (°C)

Relinquished by/Company (Signature): *[Signature]* Ramboll
Date/Time: 11/2 0950

Received by/Company (Signature): *[Signature]* Pace
Date/Time: 11/2/03 0950

Tracking Number:
Delivered by: [] In-Person [] Courier
[] FedEx [] UPS [] Other

Page: 1 of 4

CHAIN-OF-CUSTODY Analytical Request Document
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY - Affix Workorder/Login Label Here
40270488
WOL - 102

Scan QR Code for instructions

Pace* Location Requested (City/State)
Pace Analytical Green Bay
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Company Name: O'Brien & Gere Engineers, Inc Integrys WI
Street Address: 234 W Florida St, Fifth Floor Milwaukee, WI 53204
Contact/Report To: Emily Ruder
Phone #: 414-249-0678
E-Mail: eruder@ramboll.com
Cc E-Mail: **ASMALL@Ramboll.com**

Customer Project #: [Blank]
Project Name: 194101157 Marinette Former MGP
Invoice To: Accounts - WEC
Invoice E-Mail: invoicecollector@wecenergygroup.com

Site Collection Info/Facility ID (as applicable): [Blank]
Purchase Order # (if applicable): [Blank]
Quote #: [Blank]

Time Zone Collected: [] AK [] PT [] MT [] CT [] ET
County / State origin of sample(s): Wisconsin

Data Deliverables: [] Level II [] Level III [] Level IV
[] EQUIS
[] Other: [Blank]

Regulatory Program (DW, RCRA, etc) as applicable: [Blank]
Rush (Pre-approval required): [] 2 Day [] 3 day [] 5 day [] Other: [Blank]
Date Results Requested: [Blank]
DW PWSID # or WW Permit # as applicable: [Blank]
Field Filtered (if applicable) [] Yes [] No
Analysis: [Blank]

* Matrix Codes (Insert in Matrix box below) Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res. CL2	Number & Type of Containers		353 2 Nitrogen, NO2/NO3 pres	6020 Al, Sb, Cu, Fe, Mn, Ni, Ag, V, Zn	8260 Benzene, Ethylbenzene	8270E MSSV PAH	8270E MSSV PAH short list	BTEX 8260	Methane	Sulfate, Alkalinity	Trip Blank	Lab Use Only	Sample Comment	Preservation non-conformance identified for sample
			Date	Time	Date	Time		Plastic	Glass												
110123012	WT	G	11-1	0950				3	8	X	X		X	X	X	X	X			011	
110123013	WT			1049				3	8	X	X		X	X	X	X	X			012	
110123014	WT			1127				3	8	X	X		X	X	X	X	X			013	
110123015	WT			1204				3	8	X	X		X	X	X	X	X			014	
110123016	WT			1235				3	8	X	X		X	X	X	X	X			015	
110123017	WT			1317				3	8	X	X		X	X	X	X	X			016	
110123018	WT			1345				3	8	X	X ^①		X	X	X	X	X			① Total metals	017
110123022	WT			1554				3	8	X	X		X	X	X	X	X			018	
110123023	WT			1559				3	8	X	X		X	X	X	X	X			019	
110223026	WT	J	11-2	0715				3	8	X	X ^②		X	X	X	X	X			② Total metals	020

Customer Remarks / Special Conditions / Possible Hazards: [Blank]

Collected By: [Signature]
Printed Name: [Blank]
Signature: [Blank]

Additional Instructions from Pace*:
Coolers: [Blank] Thermometer ID: 139 Correction Factor (°C): [Blank] Obs. Temp. (°C): 1.0 Corrected Temp. (°C): 1.0

Relinquished by/Company (Signature): [Signature] Ramboll Date/Time: 11/2/0950
Received by/Company (Signature): [Signature] Date/Time: 11/2/03 0950
Tracking Number: [Blank]

Relinquished by/Company (Signature): [Blank] Date/Time: [Blank]
Received by/Company (Signature): [Blank] Date/Time: [Blank]
Delivered by: [] In-Person [] Courier
[] FedEx [] UPS [] Other

Relinquished by/Company (Signature): [Blank] Date/Time: [Blank]
Received by/Company (Signature): [Blank] Date/Time: [Blank]

Relinquished by/Company (Signature): [Blank] Date/Time: [Blank]
Received by/Company (Signature): [Blank] Date/Time: [Blank]

Page: 2 of 4

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace* Terms and Conditions found at <https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/>

QC: Hyatt
11-2-23

CHAIN-OF-CUSTODY Analytical Request Document
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here
WOC - 103 **40270488**

Scan QR Code for instructions

Pace® Location Requested (City/State)
Pace Analytical Green Bay
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Company Name: O'Brien & Gere Engineers, Inc Integrys WI
Street Address: 234 W Florida St, Fifth Floor Milwaukee, WI 53204
Contact/Report To: Emily Ruder
Phone #: 414-249-0678
E-Mail: eruder@ramboll.com
Cc E-Mail: **A-SMALL@ramboll.com**

Customer Project #: Accounts - WEC
Project Name: 194101157 Marquette Former MGP
Invoice To: Accounts - WEC
Invoice E-Mail: invoicecollector@wecenergygroup.com

Site Collection Info/Facility ID (as applicable):
Purchase Order # (if applicable):
Quote #:

Time Zone Collected: [] AK [] PT [] MT [] CT [] ET
County / State origin of sample(s): Wisconsin

Data Deliverables: [] Level II [] Level III [] Level IV
[] EQUIS
[] Other _____

Regulatory Program (DW, RCRA, etc) as applicable:
Rush (Pre-approval required): [] 2 Day [] 3 day [] 5 day [] Other _____
Date Results Requested: _____
DW PWSID # or WW Permit # as applicable: _____
Field Filtered (if applicable) [] Yes [] No
Analysis: _____

* Matrix Codes (Insert in Matrix box below) Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OI), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res. CL2	Number & Type of Containers		353 2 Nitrogen, NO2/NO3 pres	6020 Al,Sb,Cu,Fe,Mn,Ni,Ag,V,Zn	8260 Benzene, Ethylbenzene	8270E MSSV PAH	8270E MSSV PAH short list	BTEX 8260	Methane	Sulfate, Alkalinity	Trip Blank	Proj. Mgr: Brian Basten AcctNum / Client ID: Table #: Profile / Template: 3569 Prelog / Bottle Ord. ID: EZ 3014470 Sample Comment	Preservation non-conformance identified for sample	
			Date	Time	Date	Time		Plastic	Glass												
110123011	WT	G	11.1	0920			-	5				X	X							screen 021	
110123019	WT			1350			-	5				X	X							screen 022	
110123020	WT			1525			-	5				X	X							screen 023	
110123021	WT			1530			-	5				X	X							screen 024	
110123024	WT	↓	↓	1710			-	5				X	X							screen 025	
TBO1	WT	-	-	-			-	2										X		026	
110123025	WT	G	11.1	1241			-	5				X	X							screen 027	
110223027	WT	↓	11.2	0753			3	8	X	X		X	X	X	X					028	
110223028	WT	↓	↓	0830			3	8	X	X		X	X	X	X					029	

Customer Remarks / Special Conditions / Possible Hazards: _____

Collected By: _____
Printed Name: _____
Signature: _____

Additional Instructions from Pace®: _____

Coolers: _____ Thermometer ID: 139 Correction Factor (°C): - Obs. Temp. (°C): 1.0 Corrected Temp. (°C): 1.0

Relinquished by/Company (Signature): *[Signature]* / Ramboll Date/Time: 11/2 0950
Received by/Company (Signature): *[Signature]* Date/Time: 11/2/23 0950
Tracking Number: _____

Relinquished by/Company (Signature): _____ Date/Time: _____
Received by/Company (Signature): _____ Date/Time: _____
Delivered by: [] In-Person [] Courier
[] FedEx [] UPS [] Other

Relinquished by/Company (Signature): _____ Date/Time: _____
Received by/Company (Signature): _____ Date/Time: _____

Relinquished by/Company (Signature): _____ Date/Time: _____
Received by/Company (Signature): _____ Date/Time: _____

Page: 4 of 4

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at <https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/>

QC: H. Walters
11-2-23

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: O'Brien & Gere

WO#: **40270488**

Courier: CS Logistics Fed Ex Speedee UPS Waltco
 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-139 Type of Ice: Wet Blue Dry None Meltwater Only

Cooler Temperature Uncorr: 1.0 ICorr: 1.0

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 11/2/23 Initials: SG
 Labeled By Initials: SKW

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 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.
- DI 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.
Correct Type: <u>Pace Green Bay, Pace IR, Non-Pace</u>		
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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W2</u>		<u>015 BP3W no dome</u> <u>022 time "1450"</u> <u>11/2/23 SG</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>002-time 1343</u> <u>11/2/23 SKW</u>
Pace Trip Blank Lot # (if purchased): <u>5081</u>		

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