

From: Dombrowski, Frank J <frank.dombrowski@wecenergygroup.com>
Sent: Monday, November 18, 2024 11:07 AM
To: Gielniewski, Margaret <gielniewski.margaret@epa.gov>
(gielniewski.margaret@epa.gov)
Cc: Krueger, Sarah E - DNR; whoward@marinette.wi.us;
sgenisot@marinette.wi.us; Brian Miller (bmiller@marinette.wi.us); Abigail
Small (ASMALL@ramboll.com)
Subject: Third Party Notification Letter - Former WPS Marinette, WI MGP
Attachments: November 2024 3rd Party Notification City of Marinette Letter.pdf

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safe.**

Margaret,

Attached is the 3rd party notification letter regarding routine groundwater monitoring recently completed at the former WPS Marinette, WI MGP site. Hard copies have been mailed to the City. Please feel free to call with any questions.

Thanks,

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
Cell: (414) 587-4467
Fax: (414) 221-2022

*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
P.O. Box 19001
Green Bay, WI 54307-9001
www.wisconsinpublicservice.com

November 15, 2024

Mr. Brian Miller, P.E.
Director of Public Works
City of Marinette
1905 Hall Avenue
Marinette, WI, 54143

RE: Recent Sampling Results
WPSC's Former Marinette MGP Site, 1603 Ely Street, BRRTS# 0238000047
Marinette, Wisconsin

Dear Mr. Miller:

WEC Business Services, LLC (WBS), managing the Wisconsin Public Service Corporation (WPSC) former manufactured gas plant site at 1603 Ely Street, is providing groundwater samples results collected as part of semi-annual monitoring from locations MW03R, MW05, MW01R, MW302-MW305, MW307R, MW308, MW310, MW311, MW312, MW313, MW-FCOND-D, MW-G2, MW-J1, MW-O3, MW-TCON-B, and P302-P305 collected between October 8-9, 2024. Wisconsin Administrative Code Chapter NR716.14 requires responsible parties (WPSC for the above mentioned site) to report sampling results to the property owner, and occupant, as applicable.

Results of the sampling are summarized in the attached. This attachment includes a summary table of the results compared to State standards. Copies of the relevant portions of the associated laboratory report and a figure showing the locations of samples collected on your property are also included. Results from semi-annual monitoring wells are generally consistent with previous sampling activities.

We appreciate your ongoing cooperation as sampling progresses. If you need additional information, please contact Sarah Krueger from the WDNR at 920-662-5443 or myself at 414-221-2156.

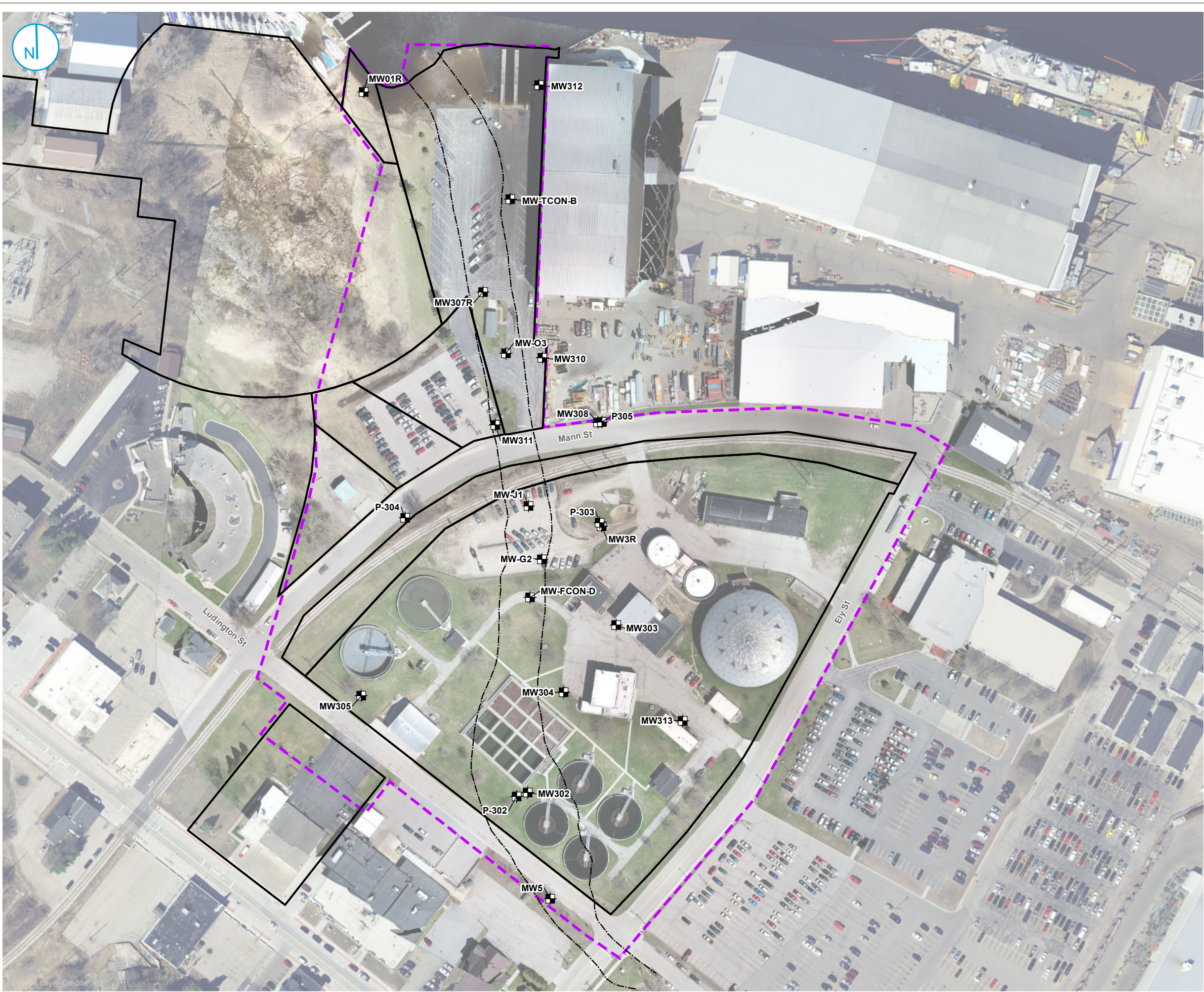
Sincerely,

Frank Dombrowski
Principal Environmental Consultant
WEC Business Services – Environmental Dept.

Enclosures: Figure 1. Monitoring Well Locations - City of Marinette
 Table 1. Groundwater Analytical Results for the City of Marinette
 Laboratory Data Report

CC: Ms. Sarah Krueger, WDNR
Ms. Margaret Gielniewski, USEPA
Mayor Steve Genisot, City of Marinette
Mr. Warren Howard, City of Marinette

FIGURE



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

0 75 150
Feet

MONITORING WELL LOCATIONS - CITY OF MARINETTE

WPSC MARINETTE FORMER MGP SITE
MARINETTE, WISCONSIN

FIGURE 1

RAMBOLL US CORPORATION
A RAMBOLL COMPANY



TABLE

Table 1. Groundwater Analytical Results for the City of Marinette

Third Party Notification - October 2024 Sample Results

Wisconsin Public Service Corporation

Marinette Former MGP

Marinette, Wisconsin

BRRTS# 0238000047 CERCLIS ID: WIN000509952

			BTEX	BTEX	BTEX	BTEX	BTEX	BTEX	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH									
9-digit Code	Sample Location	Sample Date	Benzene	Ethylbenzene	Toluene	Xylene, o	Xylenes, m + p	Xylenes, Total	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene											
			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											
			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 ES:								5	700	800	NS	NS	2,000	NS	NS	NS	NS	3,000	NS	0.2	0.2	NS	NS	0.2	NS	400	400	NS	100	NS	250			
			WI Groundwater PAL:								0.5	140	160	NS	NS	400	NS	NS	NS	NS	600	NS	0.02	0.02	NS	NS	0.02	NS	80	80	NS	10	NS	50			
100924019	MW01R	10/09/24	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.25	0.059	0.35	0.014 U	0.021 U	0.015 U	0.014 U	0.010 U	0.026 U	0.025 U	0.014 U	0.020 U	0.029 U	0.026 U	0.017 U	1.1	0.029 U	0.025 U											
100924025	MW03	10/09/24	170	12.6	--	--	--	--	--	--	--	--	--	--	0.14 U	0.099 U	--	--	0.24 J	--	--	--	--	120	--	--											
100924026	MW03 Dup	10/09/24	167	11.8	--	--	--	--	--	--	--	--	--	--	0.14 J	0.15 J	--	--	0.34 J	--	--	--	--	117	--	--											
100924018	MW03R	10/09/24	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.022 J	0.018 J	0.015 U	0.15	0.23	0.27	0.53	0.81	0.60	0.33	0.48	0.096	0.61	0.026 U	0.43	0.067	0.13	0.51											
100824008	MW05	10/08/24	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	--	--	--	--	0.021 U	--	0.014 U	0.010 U	0.026 U	--	0.014 U	--	0.029 U	0.026 U	--	0.029 J	0.029 U	0.025 U											
100824003	MW302	10/08/24	0.40 J	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	--	--	--	--	0.068	--	0.13	0.14	0.11	--	0.076	--	0.15	0.096	--	0.044 J	0.044 J	0.11											
100824005	MW303	10/08/24	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	--	--	--	--	0.037 J	--	0.014 U	0.010 U	0.026 U	--	0.014 U	--	0.029 U	0.026 U	--	0.027 J	0.028 U	0.041 J											
100824004	MW304	10/08/24	32.4	3.2	0.64 J	1.6	1.2 J	2.8 J	--	--	--	--	0.21	--	0.029 U	0.022 J	0.053 U	--	0.029 U	--	0.086 J	0.29	--	12.4	0.76	0.051 U											
100824001	MW305	10/08/24	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	--	--	--	--	0.021 U	--	0.014 U	0.010 U	0.026 U	--	0.014 U	--	0.029 U	0.026 U	--	0.050 J	0.028 U	0.025 U											
100824012	MW306	10/08/24	0.30 U	2.0	0.29 U	8.1	2.2	10.3	--	--	--	--	0.020 U	--	0.014 U	0.0098 U	0.025 U	--	0.014 U	--	0.028 U	0.025 U	--	7.0	0.028 U	0.24											
100924020	MW307R	10/09/24	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	1.0	0.023 J	3.8	0.081	0.085	0.048 J	0.034 J	0.048 J	0.030 J	0.025 U	0.065	0.020 U	0.38	0.61	0.021 J	0.10	0.20	0.32											
100824010	MW308	10/08/24	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	--	--	--	--	0.021 U	--	0.015 U	0.011 J	0.027 U	--	0.014 U	--	0.030 U	0.027 U	--	0.030 J	0.029 U	0.026 U											
100824014	MW310	10/08/24	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	--	--	--	--	0.046 J	--	0.021 J	0.044 J	0.027 J	--	0.034 J	--	0.17	0.87	--	0.27	0.040 J	0.12											
100824011	MW311	10/08/24	107	84.1	3.2	47.9	10.8	58.6	--	--	--	--	8.6	--	0.69 U	0.50 U	1.3 U	--	0.69 U	--	4.5	35.2	--	572	41.6	3.7											
100824013	MW312	10/08/24	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	--	--	--	--	0.033 J	--	0.015 U	0.010 U	0.027 U	--	0.014 U	--	0.074	0.13	--	0.023 U	0.14	0.065											
100824006	MW313	10/08/24	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	--	--	--	--	0.031 J	--	0.014 U	0.010 U	0.025 U	--	0.014 U	--	0.10	0.12	--	0.026 J	0.028 U	0.069											
100824007	MW313 Dup	10/08/24	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	--	--	--	--	0.027 J	--	0.015 U	0.010 U	0.027 U	--	0.014 U	--	0.11	0.14	--	0.038 J	0.029 U	0.072											
100924021	MWFCOND	10/09/24	4,830	270	--	--	--	--	--	--	--	--	--	--	23.2	24.3	--	--	22.8	--	--	--	--	2,850	--	--											
100924023	MWG2	10/09/24	1,720	2,100	--	--	--	--	--	--	--	--	--	--	6.7 U	4.8 U	--	--	6.7 U	--	--	--	--	7,740	--	--											
100924024	MWG2 Dup	10/09/24	1,690	2,090	--	--	--	--	--	--	--	--	--	--	6.7 U	4.8 U	--	--	6.7 U	--	--	--	--	7,450	--	--											
100924022	MWJ1	10/09/24	5,870	236	--	--	--	--	--	--	--	--	--	--	53.9	57.9	--	--	57.6	--	--	--	--	6,860	--	--											
100924027	MWTCONB	10/09/24	0.30 U	0.33 U	--	--	--	--	--	--	--	--	--	--	0.051 J	0.097	--	--	0.089	--	--	--	--	2.9	--	--											
100824002	P302	10/08/24	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	--	--	--	--	0.019 U	--	0.017 J	0.017 J	0.024 U	--	0.013 U	--	0.027 U	0.025 U	--	0.037 J	0.027 U	0.033 J											
100924017	P303	10/09/24	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.023 J	0.014 U	0.066	0.41	0.36	0.89	0.86	0.89	0.51	0.41	0.63	0.11	2.5	0.21	0.46	0.043 J	1.8	1.8											
100824009	P305	10/08/24	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	--	--	--	--	0.059	--	0.014 U	0.010 U	0.026 U	--	0.014 U	--	0.36	0.046 J	--	0.031 J	0.029 U	0.26											

Analyte concentration attains or exceeds the standard for:

Bold	Wisconsin Groundwater ES
<u>Underlined</u>	Wisconsin Groundwater PAL

Results & Flags:

-- = Analysis not performed

J = Estimated Concentration

U = Concentration was not detected above the reported limit

Acronyms:

$\mu\text{g/L}$ = micrograms per liter

$\mu\text{S}/\text{cm}$ = microsiemens per centimeter

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 / Centigrade

Dup = Quality Control Field Duplicate Sample

ES = Enforcement Standard

MGP = Manufactured Gas Plant

NO₂ + NO₃ = nitrite plus nitrate

NS = No Standard

NTU = Nephelometric Turbidity Unit

PAH = Polycyclic Aromatic Hydrocarbon

PAL = Preventive Action Limit

USEPA ID = United States Environmental Protection Agency site identification number

Table 1. Groundwater Analytical Results for the City of Marinette

Third Party Notification - October 2024 Sample Results
Wisconsin Public Service Corporation
Marinette Former MGP
Marinette, Wisconsin
BRRTS# 0238000047 CERCLIS ID: WIN000509952

			Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Inorganic		Inorganic		Inorganic		Organic					
9-digit Code	Sample Location	Sample Date	Aluminum, Dissolved		Antimony, Dissolved		Copper, Dissolved		Iron, Dissolved		Manganese, Dissolved		Nickel, Dissolved		Silver, Dissolved		Vanadium, Dissolved		Zinc, Dissolved		Alkalinity, Total		Nitrogen, NO2 + NO3, Total		Sulfate, Total		Methane			
			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		
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			
			Result		Flag		Result		Flag		Result		Flag		Result		Flag		Result		Flag		Result		Flag		Result		Flag	
WI Groundwater ES:			200		6		1,300		300		300		100		50		30		5,000		NS		10,000		250,000		NS			
WI Groundwater PAL:			40		1.2		130		150		60		20		10		6		2,500		NS		2,000		125,000		NS			
100924019	MW01R	10/09/24	117	U	0.30	U	3.8	U	8,410		629		0.72	J	0.25	U	3.0		20.7	U	311,000		59	U	2,400	J	10,100			
100924025	MW03	10/09/24	--		--		--		--		--		--		--		--		--		--		--		--		--			
100924026	MW03 Dup	10/09/24	--		--		--		--		--		--		--		--		--		--		--		--		--			
100924018	MW03R	10/09/24	117	U	0.30	U	3.8	U	3,780		504		3.8		0.25	U	1.1	J	20.7	U	429,000		150	J	28,600		285			
100824008	MW05	10/08/24	117	U	0.30	U	3.8	U	116	U	392		1.9	J	0.25	U	0.63	U	20.7	U	236,000		59	U	46,400		0.58	U		
100824003	MW302	10/08/24	117	U	0.30	U	3.8	U	116	U	49.9		2.1		0.25	U	0.63	U	20.7	U	318,000		59	U	79,800		78.7			
100824005	MW303	10/08/24	117	U	0.30	U	3.8	U	12,400		691		0.87	J	0.25	U	3.3		20.7	U	449,000		59	U	15,200		1,850			
100824004	MW304	10/08/24	117	U	0.62	J	3.8	U	1,480		2,020		2.6		0.25	U	1.8	J	20.7	U	440,000		89	J	46,300		727			
100824001	MW305	10/08/24	117	U	0.30	U	7.7	J	116	U	2.4	U	0.73	J	0.25	U	0.63	U	20.7	U	288,000		8,200		109,000		0.58	U		
100824012	MW306	10/08/24	117	U	0.30	U	3.8	U	14,000		791		0.57	U	0.25	U	2.4		20.7	U	247,000		59	U	159,000		232			
100924020	MW307R	10/09/24	117	U	0.30	U	3.8	U	30,200		767		0.57	U	0.25	U	0.63	U	20.7	U	382,000		59	U	2,200	U	7,600			
100824010	MW308	10/08/24	117	U	0.30	U	34.3		2,530		2,970		13.9		0.30	J	0.63	U	137		683,000		59	U	306,000		98.7			
100824014	MW310	10/08/24	117	U	0.30	U	3.8	U	20,800		800		0.66	J	0.25	U	4.4		20.7	U	440,000		59	U	6,100	J	3,420			
100824011	MW311	10/08/24	117	U	0.30	U	7.0	J	36,900		906		0.81	J	0.25	U	1.6	J	20.7	U	724,000		59	U	2,200	U	7,120			
100824013	MW312	10/08/24	117	U	0.30	U	3.8	U	40,300		1,380		0.57	U	0.25	U	0.63	U	20.7	U	841,000		59	U	3,900	J	13,300			
100824006	MW313	10/08/24	117	U	0.30	U	3.8	U	31,600		1,290		1.3	J	0.25	U	7.1		20.7	U	491,000		59	U	11,400		8,240			
100824007	MW313 Dup	10/08/24	117	U	0.30	U	3.8	U	30,800		1,260		1.4	J	0.25	U	6.4		20.7	U	488,000		59	U	11,600		12,400			
100924021	MWFCOND	10/09/24	--		--		--		--		--		--		--		--		--		--		--		--		--			
100924023	MWG2	10/09/24	--		--		--		--		--		--		--		--		--		--		--		--		--			
100924024	MWG2 Dup	10/09/24	--		--		--		--		--		--		--		--		--		--		--		--		--			
100924022	MWJ1	10/09/24	--		--		--		--		--		--		--		--		--		--		--		--		--			
100924027	MWTCONB	10/09/24	--		--		--		--		--		--		--		--		--		--		--		--		--			
100824002	P302	10/08/24	117	U	0.30	U	3.8	U	686		368		0.57	U	0.25	U	0.63	U	20.7	U	237,000		59	U	53,100		20.2			
100924017	P303	10/09/24	137	J	0.38	J	3.8	U	269	J	14.8		0.99	J	0.25	U	1.0	J	20.7	U	142,000		190	J	855,000		0.58	U		
100824009	P305	10/08/24	117	U	0.30	U	3.8	U	243	J	525		12.1		0.25	U	0.79	J	20.7	U	407,000		59	U	9,600	J	150			

[O:GKJ 11/6/24, C:ECB 11/7/2024]

Analyte concentration attains or exceeds the standard for:

Bold	Wisconsin Groundwater ES
<u>Underlined</u>	Wisconsin Groundwater PAL

Results & Flags:

- = Analysis not performed
- J = Estimated Concentration
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Acronyms:

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- µS/cm = microsiemens per centimeter
- 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 / Centigrade
- Dup = Quality Control Field Duplicate Sample
- ES = Enforcement Standard

- MGP = Manufactured Gas Plant
- NO2 + NO3 = nitrite plus nitrate
- NS = No Standard
- NTU = Nephelometric Turbidity Unit
- PAH = Polycyclic Aromatic Hydrocarbon
- PAL = Preventive Action Limit
- USEPA ID = United States Environmental Protection Agency site identification number

Standards:

PAL and ES from WI Administrative Code NR 140 groundwater quality standard revised effective July 2023. Results that attain or exceed the PAL are considered to be in exceedance.

Lab comments, additional data qualifiers and definitions can be found in associated laboratory reports.

LABORATORY DATA REPORT



October 24, 2024

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

RE: Project: MARINETTE MGP
Pace Project No.: 40285415

Dear Emily Ruder:

Enclosed are the analytical results for sample(s) received by the laboratory on October 09, 2024. 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,

A handwritten signature in black ink, appearing to read "Brian Basten".

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



CERTIFICATIONS

Project: MARINETTE MGP

Pace Project No.: 40285415

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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without the written consent of Pace Analytical Services, LLC.



SAMPLE SUMMARY

Project: MARINETTE MGP

Pace Project No.: 40285415

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40285415001	100824001	Water	10/08/24 11:08	10/09/24 07:40
40285415002	100824002	Water	10/08/24 11:48	10/09/24 07:40
40285415003	100824003	Water	10/08/24 12:33	10/09/24 07:40
40285415004	100824004	Water	10/08/24 13:02	10/09/24 07:40
40285415005	100824005	Water	10/08/24 13:31	10/09/24 07:40
40285415006	100824006	Water	10/08/24 14:02	10/09/24 07:40
40285415007	100824007	Water	10/08/24 14:07	10/09/24 07:40
40285415008	100824008	Water	10/08/24 14:55	10/09/24 07:40
40285415009	100824009	Water	10/08/24 15:37	10/09/24 07:40
40285415010	100824010	Water	10/08/24 16:03	10/09/24 07:40
40285415011	100824011	Water	10/08/24 16:32	10/09/24 07:40
40285415012	100824012	Water	10/08/24 17:14	10/09/24 07:40
40285415013	100824013	Water	10/08/24 17:47	10/09/24 07:40
40285415014	100824014	Water	10/08/24 18:15	10/09/24 07:40
40285415015	100824015	Water	10/08/24 18:30	10/09/24 07:40
40285415016	100824016	Water	10/08/24 00:00	10/09/24 07:40

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SAMPLE ANALYTE COUNT

Project: MARINETTE MGP
Pace Project No.: 40285415

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40285415001	100824001	EPA 8015B Modified	EMG	1
		EPA 6020B	KXS	9
		EPA 8270E by SIM	TPO	12
		EPA 8260	NB	9
		EPA 300.0	HMB	1
		EPA 310.2	MT	1
		EPA 353.2	MT	1
40285415002	100824002	EPA 8015B Modified	EMG	1
		EPA 6020B	KXS	9
		EPA 8270E by SIM	TPO	12
		EPA 8260	NB	9
		EPA 300.0	HMB	1
		EPA 310.2	MT	1
		EPA 353.2	MT	1
40285415003	100824003	EPA 8015B Modified	EMG	1
		EPA 6020B	KXS	9
		EPA 8270E by SIM	TPO	12
		EPA 8260	NB	9
		EPA 300.0	HMB	1
		EPA 310.2	MT	1
		EPA 353.2	MT	1
40285415004	100824004	EPA 8015B Modified	EMG	1
		EPA 6020B	KXS	9
		EPA 8270E by SIM	TPO	12
		EPA 8260	NB	9
		EPA 300.0	HMB	1
		EPA 310.2	MT	1
		EPA 353.2	MT	1
40285415005	100824005	EPA 8015B Modified	EMG	1
		EPA 6020B	KXS	9
		EPA 8270E by SIM	TPO	12
		EPA 8260	NB	9
		EPA 300.0	HMB	1
		EPA 310.2	MT	1
		EPA 353.2	MT	1
40285415006	100824006	EPA 8015B Modified	EMG	1
		EPA 6020B	KXS	9

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SAMPLE ANALYTE COUNT

Project: MARINETTE MGP

Pace Project No.: 40285415

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40285415007	100824007	EPA 8270E by SIM	TPO	12
		EPA 8260	NB	9
		EPA 300.0	HMB	1
		EPA 310.2	MT	1
		EPA 353.2	MT	1
		EPA 8015B Modified	EMG	1
		EPA 6020B	KXS	9
		EPA 8270E by SIM	TPO	12
		EPA 8260	NB	9
		EPA 300.0	HMB	1
40285415008	100824008	EPA 310.2	MT	1
		EPA 353.2	MT	1
		EPA 8015B Modified	EMG	1
		EPA 6020B	KXS	9
		EPA 8270E by SIM	TPO	12
		EPA 8260	NB	9
		EPA 300.0	HMB	1
		EPA 310.2	MT	1
		EPA 353.2	MT	1
		EPA 8015B Modified	EMG	1
40285415009	100824009	EPA 6020B	KXS	9
		EPA 8270E by SIM	TPO	12
		EPA 8260	NB	9
		EPA 300.0	HMB	1
		EPA 310.2	MT	1
		EPA 353.2	MT	1
		EPA 8015B Modified	EMG	1
		EPA 6020B	KXS	9
		EPA 8270E by SIM	TPO	12
		EPA 8260	NB	9
40285415010	100824010	EPA 300.0	HMB	1
		EPA 310.2	MT	1
		EPA 353.2	MT	1
		EPA 8015B Modified	EMG	1
		EPA 6020B	KXS	9
		EPA 8270E by SIM	TPO	12
		EPA 8260	NB	9
		EPA 300.0	HMB	1
		EPA 310.2	MT	1
		EPA 353.2	MT	1
40285415011	100824011	EPA 8015B Modified	EMG	1
		EPA 6020B	KXS	9
		EPA 8270E by SIM	TPO	12
		EPA 8260	NB	9

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SAMPLE ANALYTE COUNT

Project: MARINETTE MGP

Pace Project No.: 40285415

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40285415012	100824012	EPA 300.0	HMB	1
		EPA 310.2	MT	1
		EPA 353.2	MT	1
		EPA 8015B Modified	EMG	1
		EPA 6020B	KXS	9
		EPA 8270E by SIM	TPO	12
		EPA 8260	NB	9
		EPA 300.0	HMB	1
40285415013	100824013	EPA 310.2	MT	1
		EPA 353.2	MT	1
		EPA 8015B Modified	EMG	1
		EPA 6020B	KXS	9
		EPA 8270E by SIM	TPO	12
		EPA 8260	NB	9
		EPA 300.0	HMB	1
		EPA 310.2	MT	1
40285415014	100824014	EPA 353.2	MT	1
		EPA 8015B Modified	EMG	1
		EPA 6020B	KXS	9
		EPA 8270E by SIM	TPO	12
		EPA 8260	NB	9
		EPA 300.0	HMB	1
		EPA 310.2	MT	1
		EPA 353.2	MT	1
40285415015	100824015	EPA 8015B Modified	EMG	1
		EPA 6020B	KXS	9
		EPA 8270E by SIM	TPO	12
		EPA 8260	NB	9
		EPA 300.0	HMB	1
		EPA 310.2	MT	1
		EPA 353.2	MT	1
		EPA 8015B Modified	EMG	1
40285415016	100824016	EPA 6020B	KXS	9
		EPA 8270E by SIM	TPO	12
		EPA 8260	NB	9

PASI-G = Pace Analytical Services - Green Bay

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ANALYTICAL RESULTS

Project: MARINETTE MGP
Pace Project No.: 40285415

Sample: 100824001 Lab ID: 40285415001 Collected: 10/08/24 11:08 Received: 10/09/24 07:40 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		10/10/24 12:40	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	10/10/24 09:38	10/15/24 08:34	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/10/24 09:38	10/15/24 08:34	7440-36-0	D3
Copper, Dissolved	7.7J	ug/L	12.7	3.8	2	10/10/24 09:38	10/15/24 08:34	7440-50-8	D3
Iron, Dissolved	<116	ug/L	500	116	2	10/10/24 09:38	10/15/24 08:34	7439-89-6	D3
Manganese, Dissolved	<2.4	ug/L	8.1	2.4	2	10/10/24 09:38	10/15/24 08:34	7439-96-5	D3
Nickel, Dissolved	0.73J	ug/L	2.0	0.57	2	10/10/24 09:38	10/15/24 08:34	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/10/24 09:38	10/15/24 08:34	7440-22-4	D3
Vanadium, Dissolved	<0.63	ug/L	2.1	0.63	2	10/10/24 09:38	10/15/24 08:34	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/10/24 09:38	10/15/24 08:34	7440-66-6	D3
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	<0.021	ug/L	0.056	0.021	1	10/11/24 07:33	10/14/24 20:35	120-12-7	
Benzo(a)pyrene	<0.014	ug/L	0.056	0.014	1	10/11/24 07:33	10/14/24 20:35	50-32-8	
Benzo(b)fluoranthene	<0.010	ug/L	0.056	0.010	1	10/11/24 07:33	10/14/24 20:35	205-99-2	
Benzo(g,h,i)perylene	<0.026	ug/L	0.056	0.026	1	10/11/24 07:33	10/14/24 20:35	191-24-2	
Chrysene	<0.014	ug/L	0.056	0.014	1	10/11/24 07:33	10/14/24 20:35	218-01-9	
Fluoranthene	<0.029	ug/L	0.056	0.029	1	10/11/24 07:33	10/14/24 20:35	206-44-0	
Fluorene	<0.026	ug/L	0.056	0.026	1	10/11/24 07:33	10/14/24 20:35	86-73-7	
Naphthalene	0.050J	ug/L	0.056	0.022	1	10/11/24 07:33	10/14/24 20:35	91-20-3	
Phenanthrene	<0.028	ug/L	0.056	0.028	1	10/11/24 07:33	10/14/24 20:35	85-01-8	
Pyrene	<0.025	ug/L	0.056	0.025	1	10/11/24 07:33	10/14/24 20:35	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	77	%	33-123		1	10/11/24 07:33	10/14/24 20:35	321-60-8	
Terphenyl-d14 (S)	96	%	36-134		1	10/11/24 07:33	10/14/24 20:35	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		10/14/24 15:53	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/14/24 15:53	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/14/24 15:53	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/14/24 15:53	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/14/24 15:53	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/14/24 15:53	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		10/14/24 15:53	2199-69-1	
4-Bromofluorobenzene (S)	100	%	70-130		1		10/14/24 15:53	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		10/14/24 15:53	2037-26-5	

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ANALYTICAL RESULTS

Project: MARINETTE MGP
Pace Project No.: 40285415

Sample: 100824001 Lab ID: 40285415001 Collected: 10/08/24 11:08 Received: 10/09/24 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	109	mg/L	10.0	2.2	5		10/23/24 03:03	14808-79-8	
310.2 Alkalinity Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO ₃	288	mg/L	25.0	7.4	1		10/15/24 11:02		
353.2 Nitrogen, NO₂/NO₃ pres. Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO ₂ plus NO ₃	8.2	mg/L	0.25	0.059	1		10/21/24 10:03		

Sample: 100824002 Lab ID: 40285415002 Collected: 10/08/24 11:48 Received: 10/09/24 07:40 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	20.2	ug/L	2.8	0.58	1		10/10/24 12:47	74-82-8	
6020B MET ICPMS, Dissolved Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<0.117	ug/L	500	117	2	10/10/24 09:38	10/15/24 07:43	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/10/24 09:38	10/15/24 07:43	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/10/24 09:38	10/15/24 07:43	7440-50-8	D3
Iron, Dissolved	686	ug/L	500	116	2	10/10/24 09:38	10/15/24 07:43	7439-89-6	
Manganese, Dissolved	368	ug/L	8.1	2.4	2	10/10/24 09:38	10/15/24 07:43	7439-96-5	
Nickel, Dissolved	<0.57	ug/L	2.0	0.57	2	10/10/24 09:38	10/15/24 07:43	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/10/24 09:38	10/15/24 07:43	7440-22-4	D3
Vanadium, Dissolved	<0.63	ug/L	2.1	0.63	2	10/10/24 09:38	10/15/24 07:43	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/10/24 09:38	10/15/24 07:43	7440-66-6	D3
8270E MSSV PAH Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	<0.019	ug/L	0.052	0.019	1	10/11/24 07:33	10/14/24 16:19	120-12-7	
Benzo(a)pyrene	0.017J	ug/L	0.052	0.013	1	10/11/24 07:33	10/14/24 16:19	50-32-8	
Benzo(b)fluoranthene	0.017J	ug/L	0.052	0.0095	1	10/11/24 07:33	10/14/24 16:19	205-99-2	
Benzo(g,h,i)perylene	<0.024	ug/L	0.052	0.024	1	10/11/24 07:33	10/14/24 16:19	191-24-2	
Chrysene	<0.013	ug/L	0.052	0.013	1	10/11/24 07:33	10/14/24 16:19	218-01-9	
Fluoranthene	<0.027	ug/L	0.052	0.027	1	10/11/24 07:33	10/14/24 16:19	206-44-0	
Fluorene	<0.025	ug/L	0.052	0.025	1	10/11/24 07:33	10/14/24 16:19	86-73-7	
Naphthalene	0.037J	ug/L	0.052	0.021	1	10/11/24 07:33	10/14/24 16:19	91-20-3	
Phenanthrene	<0.027	ug/L	0.052	0.027	1	10/11/24 07:33	10/14/24 16:19	85-01-8	
Pyrene	0.033J	ug/L	0.052	0.024	1	10/11/24 07:33	10/14/24 16:19	129-00-0	

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ANALYTICAL RESULTS

Project: MARINETTE MGP
Pace Project No.: 40285415

Sample: 100824002 Lab ID: 40285415002 Collected: 10/08/24 11:48 Received: 10/09/24 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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8270E MSSV PAH
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510
Pace Analytical Services - Green Bay

Surrogates

2-Fluorobiphenyl (S)	78	%	33-123		1	10/11/24 07:33	10/14/24 16:19	321-60-8	
Terphenyl-d14 (S)	89	%	36-134		1	10/11/24 07:33	10/14/24 16:19	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		10/14/24 10:40	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/14/24 10:40	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/14/24 10:40	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/14/24 10:40	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/14/24 10:40	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/14/24 10:40	95-47-6	

Surrogates

1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/14/24 10:40	2199-69-1	
4-Bromofluorobenzene (S)	100	%	70-130		1		10/14/24 10:40	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		10/14/24 10:40	2037-26-5	

300.0 IC Anions
Analytical Method: EPA 300.0
Pace Analytical Services - Green Bay

Sulfate	53.1	mg/L	10.0	2.2	5		10/23/24 03:16	14808-79-8	
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310.2 Alkalinity
Analytical Method: EPA 310.2
Pace Analytical Services - Green Bay

Alkalinity, Total as CaCO3	237	mg/L	25.0	7.4	1		10/15/24 11:03		
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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		10/21/24 10:06		
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Sample: 100824003 Lab ID: 40285415003 Collected: 10/08/24 12:33 Received: 10/09/24 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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Methane, Ethane, Ethene GCV
Analytical Method: EPA 8015B Modified
Pace Analytical Services - Green Bay

Methane	78.7	ug/L	2.8	0.58	1		10/10/24 12:54	74-82-8	
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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	10/10/24 09:38	10/15/24 08:38	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/10/24 09:38	10/15/24 08:38	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/10/24 09:38	10/15/24 08:38	7440-50-8	D3
Iron, Dissolved	<116	ug/L	500	116	2	10/10/24 09:38	10/15/24 08:38	7439-89-6	D3

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ANALYTICAL RESULTS

Project: MARINETTE MGP

Pace Project No.: 40285415

Sample: 100824003 Lab ID: 40285415003 Collected: 10/08/24 12:33 Received: 10/09/24 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Manganese, Dissolved	49.9	ug/L	8.1	2.4	2	10/10/24 09:38	10/15/24 08:38	7439-96-5	
Nickel, Dissolved	2.1	ug/L	2.0	0.57	2	10/10/24 09:38	10/15/24 08:38	7440-02-0	
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/10/24 09:38	10/15/24 08:38	7440-22-4	D3
Vanadium, Dissolved	<0.63	ug/L	2.1	0.63	2	10/10/24 09:38	10/15/24 08:38	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/10/24 09:38	10/15/24 08:38	7440-66-6	D3
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Anthracene	0.068	ug/L	0.057	0.021	1	10/11/24 07:33	10/14/24 20:54	120-12-7	
Benzo(a)pyrene	0.13	ug/L	0.057	0.014	1	10/11/24 07:33	10/14/24 20:54	50-32-8	
Benzo(b)fluoranthene	0.14	ug/L	0.057	0.010	1	10/11/24 07:33	10/14/24 20:54	205-99-2	
Benzo(g,h,i)perylene	0.11	ug/L	0.057	0.026	1	10/11/24 07:33	10/14/24 20:54	191-24-2	
Chrysene	0.076	ug/L	0.057	0.014	1	10/11/24 07:33	10/14/24 20:54	218-01-9	
Fluoranthene	0.15	ug/L	0.057	0.030	1	10/11/24 07:33	10/14/24 20:54	206-44-0	
Fluorene	0.096	ug/L	0.057	0.027	1	10/11/24 07:33	10/14/24 20:54	86-73-7	
Naphthalene	0.044J	ug/L	0.057	0.023	1	10/11/24 07:33	10/14/24 20:54	91-20-3	
Phenanthrene	0.044J	ug/L	0.057	0.029	1	10/11/24 07:33	10/14/24 20:54	85-01-8	
Pyrene	0.11	ug/L	0.057	0.026	1	10/11/24 07:33	10/14/24 20:54	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	73	%	33-123		1	10/11/24 07:33	10/14/24 20:54	321-60-8	
Terphenyl-d14 (S)	82	%	36-134		1	10/11/24 07:33	10/14/24 20:54	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	0.40J	ug/L	1.0	0.30	1		10/14/24 16:09	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/14/24 16:09	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/14/24 16:09	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/14/24 16:09	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/14/24 16:09	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/14/24 16:09	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/14/24 16:09	2199-69-1	
4-Bromofluorobenzene (S)	101	%	70-130		1		10/14/24 16:09	460-00-4	
Toluene-d8 (S)	96	%	70-130		1		10/14/24 16:09	2037-26-5	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	79.8	mg/L	10.0	2.2	5		10/23/24 03:55	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	318	mg/L	25.0	7.4	1		10/15/24 11:06		

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ANALYTICAL RESULTS

Project: MARINETTE MGP
Pace Project No.: 40285415

Sample: 100824003 Lab ID: 40285415003 Collected: 10/08/24 12:33 Received: 10/09/24 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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		10/21/24 10:08		

Sample: 100824004 Lab ID: 40285415004 Collected: 10/08/24 13:02 Received: 10/09/24 07:40 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	727	ug/L	28.0	5.8	10		10/10/24 14:08	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	10/10/24 09:38	10/15/24 08:42	7429-90-5	D3
Antimony, Dissolved	0.62J	ug/L	2.0	0.30	2	10/10/24 09:38	10/15/24 08:42	7440-36-0	B,D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/10/24 09:38	10/15/24 08:42	7440-50-8	D3
Iron, Dissolved	1480	ug/L	500	116	2	10/10/24 09:38	10/15/24 08:42	7439-89-6	
Manganese, Dissolved	2020	ug/L	8.1	2.4	2	10/10/24 09:38	10/15/24 08:42	7439-96-5	
Nickel, Dissolved	2.6	ug/L	2.0	0.57	2	10/10/24 09:38	10/15/24 08:42	7440-02-0	
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/10/24 09:38	10/15/24 08:42	7440-22-4	D3
Vanadium, Dissolved	1.8J	ug/L	2.1	0.63	2	10/10/24 09:38	10/15/24 08:42	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/10/24 09:38	10/15/24 08:42	7440-66-6	D3
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	0.21	ug/L	0.11	0.042	2	10/11/24 07:33	10/15/24 00:34	120-12-7	
Benzo(a)pyrene	<0.029	ug/L	0.11	0.029	2	10/11/24 07:33	10/15/24 00:34	50-32-8	
Benzo(b)fluoranthene	0.022J	ug/L	0.11	0.021	2	10/11/24 07:33	10/15/24 00:34	205-99-2	
Benzo(g,h,i)perylene	<0.053	ug/L	0.11	0.053	2	10/11/24 07:33	10/15/24 00:34	191-24-2	
Chrysene	<0.029	ug/L	0.11	0.029	2	10/11/24 07:33	10/15/24 00:34	218-01-9	
Fluoranthene	0.086J	ug/L	0.11	0.059	2	10/11/24 07:33	10/15/24 00:34	206-44-0	
Fluorene	0.29	ug/L	0.11	0.053	2	10/11/24 07:33	10/15/24 00:34	86-73-7	
Naphthalene	12.4	ug/L	0.11	0.045	2	10/11/24 07:33	10/15/24 00:34	91-20-3	
Phenanthrene	0.76	ug/L	0.11	0.058	2	10/11/24 07:33	10/15/24 00:34	85-01-8	
Pyrene	<0.051	ug/L	0.11	0.051	2	10/11/24 07:33	10/15/24 00:34	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	71	%	33-123		2	10/11/24 07:33	10/15/24 00:34	321-60-8	
Terphenyl-d14 (S)	88	%	36-134		2	10/11/24 07:33	10/15/24 00:34	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	32.4	ug/L	1.0	0.30	1		10/14/24 13:18	71-43-2	
Ethylbenzene	3.2	ug/L	1.0	0.33	1		10/14/24 13:18	100-41-4	
Toluene	0.64J	ug/L	1.0	0.29	1		10/14/24 13:18	108-88-3	

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ANALYTICAL RESULTS

Project: MARINETTE MGP
Pace Project No.: 40285415

Sample: 100824004 Lab ID: 40285415004 Collected: 10/08/24 13:02 Received: 10/09/24 07:40 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									
Xylene (Total)	2.8J	ug/L	3.0	1.0	1		10/14/24 13:18	1330-20-7	
m&p-Xylene	1.2J	ug/L	2.0	0.70	1		10/14/24 13:18	179601-23-1	
o-Xylene	1.6	ug/L	1.0	0.35	1		10/14/24 13:18	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/14/24 13:18	2199-69-1	
4-Bromofluorobenzene (S)	99	%	70-130		1		10/14/24 13:18	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		10/14/24 13:18	2037-26-5	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	46.3	mg/L	10.0	2.2	5		10/23/24 04:08	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	440	mg/L	25.0	7.4	1		10/15/24 11:10		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.089J	mg/L	0.25	0.059	1		10/21/24 10:09		

Sample: 100824005 Lab ID: 40285415005 Collected: 10/08/24 13:31 Received: 10/09/24 07:40 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	1850	ug/L	70.0	14.4	25		10/10/24 14:16	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	10/10/24 09:38	10/15/24 08:47	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/10/24 09:38	10/15/24 08:47	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/10/24 09:38	10/15/24 08:47	7440-50-8	D3
Iron, Dissolved	12400	ug/L	500	116	2	10/10/24 09:38	10/15/24 08:47	7439-89-6	
Manganese, Dissolved	691	ug/L	8.1	2.4	2	10/10/24 09:38	10/15/24 08:47	7439-96-5	
Nickel, Dissolved	0.87J	ug/L	2.0	0.57	2	10/10/24 09:38	10/15/24 08:47	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/10/24 09:38	10/15/24 08:47	7440-22-4	D3
Vanadium, Dissolved	3.3	ug/L	2.1	0.63	2	10/10/24 09:38	10/15/24 08:47	7440-62-2	
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/10/24 09:38	10/15/24 08:47	7440-66-6	D3
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	0.037J	ug/L	0.056	0.021	1	10/11/24 07:33	10/14/24 21:12	120-12-7	

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ANALYTICAL RESULTS

Project: MARINETTE MGP
Pace Project No.: 40285415

Sample: 100824005 Lab ID: 40285415005 Collected: 10/08/24 13:31 Received: 10/09/24 07:40 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	0.056	0.014	1	10/11/24 07:33	10/14/24 21:12	50-32-8	
Benzo(b)fluoranthene	<0.010	ug/L	0.056	0.010	1	10/11/24 07:33	10/14/24 21:12	205-99-2	
Benzo(g,h,i)perylene	<0.026	ug/L	0.056	0.026	1	10/11/24 07:33	10/14/24 21:12	191-24-2	
Chrysene	<0.014	ug/L	0.056	0.014	1	10/11/24 07:33	10/14/24 21:12	218-01-9	
Fluoranthene	<0.029	ug/L	0.056	0.029	1	10/11/24 07:33	10/14/24 21:12	206-44-0	
Fluorene	<0.026	ug/L	0.056	0.026	1	10/11/24 07:33	10/14/24 21:12	86-73-7	
Naphthalene	0.027J	ug/L	0.056	0.022	1	10/11/24 07:33	10/14/24 21:12	91-20-3	
Phenanthrene	<0.028	ug/L	0.056	0.028	1	10/11/24 07:33	10/14/24 21:12	85-01-8	
Pyrene	0.041J	ug/L	0.056	0.025	1	10/11/24 07:33	10/14/24 21:12	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	73	%	33-123		1	10/11/24 07:33	10/14/24 21:12	321-60-8	
Terphenyl-d14 (S)	86	%	36-134		1	10/11/24 07:33	10/14/24 21:12	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		10/14/24 16:24	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/14/24 16:24	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/14/24 16:24	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/14/24 16:24	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/14/24 16:24	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/14/24 16:24	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/14/24 16:24	2199-69-1	
4-Bromofluorobenzene (S)	101	%	70-130		1		10/14/24 16:24	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		10/14/24 16:24	2037-26-5	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	15.2	mg/L	10.0	2.2	5		10/23/24 04:21	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	449	mg/L	25.0	7.4	1		10/15/24 11:11		
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		10/21/24 10:09		

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ANALYTICAL RESULTS

Project: MARINETTE MGP
Pace Project No.: 40285415

Sample: 100824006 Lab ID: 40285415006 Collected: 10/08/24 14:02 Received: 10/09/24 07:40 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	8240	ug/L	280	57.6	100		10/10/24 14:22	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	10/10/24 09:38	10/15/24 08:51	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/10/24 09:38	10/15/24 08:51	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/10/24 09:38	10/15/24 08:51	7440-50-8	D3
Iron, Dissolved	31600	ug/L	500	116	2	10/10/24 09:38	10/15/24 08:51	7439-89-6	
Manganese, Dissolved	1290	ug/L	8.1	2.4	2	10/10/24 09:38	10/15/24 08:51	7439-96-5	
Nickel, Dissolved	1.3J	ug/L	2.0	0.57	2	10/10/24 09:38	10/15/24 08:51	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/10/24 09:38	10/15/24 08:51	7440-22-4	D3
Vanadium, Dissolved	7.1	ug/L	2.1	0.63	2	10/10/24 09:38	10/15/24 08:51	7440-62-2	
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/10/24 09:38	10/15/24 08:51	7440-66-6	D3
8270E MSSV PAH Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	0.031J	ug/L	0.055	0.020	1	10/11/24 07:33	10/14/24 21:30	120-12-7	
Benzo(a)pyrene	<0.014	ug/L	0.055	0.014	1	10/11/24 07:33	10/14/24 21:30	50-32-8	
Benzo(b)fluoranthene	<0.010	ug/L	0.055	0.010	1	10/11/24 07:33	10/14/24 21:30	205-99-2	
Benzo(g,h,i)perylene	<0.025	ug/L	0.055	0.025	1	10/11/24 07:33	10/14/24 21:30	191-24-2	
Chrysene	<0.014	ug/L	0.055	0.014	1	10/11/24 07:33	10/14/24 21:30	218-01-9	
Fluoranthene	0.10	ug/L	0.055	0.029	1	10/11/24 07:33	10/14/24 21:30	206-44-0	
Fluorene	0.12	ug/L	0.055	0.026	1	10/11/24 07:33	10/14/24 21:30	86-73-7	
Naphthalene	0.026J	ug/L	0.055	0.022	1	10/11/24 07:33	10/14/24 21:30	91-20-3	
Phenanthrene	<0.028	ug/L	0.055	0.028	1	10/11/24 07:33	10/14/24 21:30	85-01-8	
Pyrene	0.069	ug/L	0.055	0.025	1	10/11/24 07:33	10/14/24 21:30	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	69	%	33-123		1	10/11/24 07:33	10/14/24 21:30	321-60-8	
Terphenyl-d14 (S)	81	%	36-134		1	10/11/24 07:33	10/14/24 21:30	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		10/14/24 13:33	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/14/24 13:33	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/14/24 13:33	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/14/24 13:33	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/14/24 13:33	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/14/24 13:33	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/14/24 13:33	2199-69-1	
4-Bromofluorobenzene (S)	101	%	70-130		1		10/14/24 13:33	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		10/14/24 13:33	2037-26-5	

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ANALYTICAL RESULTS

Project: MARINETTE MGP
Pace Project No.: 40285415

Sample: 100824006 Lab ID: 40285415006 Collected: 10/08/24 14:02 Received: 10/09/24 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	11.4	mg/L	10.0	2.2	5		10/23/24 04:33	14808-79-8	
310.2 Alkalinity Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO ₃	491	mg/L	25.0	7.4	1		10/15/24 11:12		
353.2 Nitrogen, NO₂/NO₃ pres. Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO ₂ plus NO ₃	<0.059	mg/L	0.25	0.059	1		10/21/24 10:10		

Sample: 100824007 Lab ID: 40285415007 Collected: 10/08/24 14:07 Received: 10/09/24 07:40 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	12400	ug/L	280	57.6	100		10/10/24 14:29	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	10/10/24 09:38	10/15/24 08:55	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/10/24 09:38	10/15/24 08:55	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/10/24 09:38	10/15/24 08:55	7440-50-8	D3
Iron, Dissolved	30800	ug/L	500	116	2	10/10/24 09:38	10/15/24 08:55	7439-89-6	
Manganese, Dissolved	1260	ug/L	8.1	2.4	2	10/10/24 09:38	10/15/24 08:55	7439-96-5	
Nickel, Dissolved	1.4J	ug/L	2.0	0.57	2	10/10/24 09:38	10/15/24 08:55	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/10/24 09:38	10/15/24 08:55	7440-22-4	D3
Vanadium, Dissolved	6.4	ug/L	2.1	0.63	2	10/10/24 09:38	10/15/24 08:55	7440-62-2	
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/10/24 09:38	10/15/24 08:55	7440-66-6	D3
8270E MSSV PAH Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	0.027J	ug/L	0.057	0.021	1	10/11/24 07:33	10/14/24 21:49	120-12-7	
Benzo(a)pyrene	<0.015	ug/L	0.057	0.015	1	10/11/24 07:33	10/14/24 21:49	50-32-8	
Benzo(b)fluoranthene	<0.010	ug/L	0.057	0.010	1	10/11/24 07:33	10/14/24 21:49	205-99-2	
Benzo(g,h,i)perylene	<0.027	ug/L	0.057	0.027	1	10/11/24 07:33	10/14/24 21:49	191-24-2	
Chrysene	<0.014	ug/L	0.057	0.014	1	10/11/24 07:33	10/14/24 21:49	218-01-9	
Fluoranthene	0.11	ug/L	0.057	0.030	1	10/11/24 07:33	10/14/24 21:49	206-44-0	
Fluorene	0.14	ug/L	0.057	0.027	1	10/11/24 07:33	10/14/24 21:49	86-73-7	
Naphthalene	0.038J	ug/L	0.057	0.023	1	10/11/24 07:33	10/14/24 21:49	91-20-3	
Phenanthrene	<0.029	ug/L	0.057	0.029	1	10/11/24 07:33	10/14/24 21:49	85-01-8	
Pyrene	0.072	ug/L	0.057	0.026	1	10/11/24 07:33	10/14/24 21:49	129-00-0	

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ANALYTICAL RESULTS

Project: MARINETTE MGP
Pace Project No.: 40285415

Sample: 100824007 Lab ID: 40285415007 Collected: 10/08/24 14:07 Received: 10/09/24 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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8270E MSSV PAH
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510
Pace Analytical Services - Green Bay

Surrogates

2-Fluorobiphenyl (S)	74	%	33-123		1	10/11/24 07:33	10/14/24 21:49	321-60-8	
Terphenyl-d14 (S)	87	%	36-134		1	10/11/24 07:33	10/14/24 21:49	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		10/14/24 13:49	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/14/24 13:49	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/14/24 13:49	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/14/24 13:49	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/14/24 13:49	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/14/24 13:49	95-47-6	

Surrogates

1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/14/24 13:49	2199-69-1	
4-Bromofluorobenzene (S)	103	%	70-130		1		10/14/24 13:49	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		10/14/24 13:49	2037-26-5	

300.0 IC Anions
Analytical Method: EPA 300.0
Pace Analytical Services - Green Bay

Sulfate	11.6	mg/L	10.0	2.2	5		10/23/24 04:46	14808-79-8	
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310.2 Alkalinity
Analytical Method: EPA 310.2
Pace Analytical Services - Green Bay

Alkalinity, Total as CaCO3	488	mg/L	25.0	7.4	1		10/15/24 11:13		
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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		10/21/24 10:11		
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Sample: 100824008 Lab ID: 40285415008 Collected: 10/08/24 14:55 Received: 10/09/24 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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Methane, Ethane, Ethene GCV
Analytical Method: EPA 8015B Modified
Pace Analytical Services - Green Bay

Methane	<0.58	ug/L	2.8	0.58	1		10/10/24 14:02	74-82-8	
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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	10/10/24 09:38	10/15/24 09:08	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/10/24 09:38	10/15/24 09:08	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/10/24 09:38	10/15/24 09:08	7440-50-8	D3
Iron, Dissolved	<116	ug/L	500	116	2	10/10/24 09:38	10/15/24 09:08	7439-89-6	D3

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ANALYTICAL RESULTS

Project: MARINETTE MGP
Pace Project No.: 40285415

Sample: 100824008 Lab ID: 40285415008 Collected: 10/08/24 14:55 Received: 10/09/24 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Manganese, Dissolved	392	ug/L	8.1	2.4	2	10/10/24 09:38	10/15/24 09:08	7439-96-5	
Nickel, Dissolved	1.9J	ug/L	2.0	0.57	2	10/10/24 09:38	10/15/24 09:08	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/10/24 09:38	10/15/24 09:08	7440-22-4	D3
Vanadium, Dissolved	<0.63	ug/L	2.1	0.63	2	10/10/24 09:38	10/15/24 09:08	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/10/24 09:38	10/15/24 09:08	7440-66-6	D3
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	<0.021	ug/L	0.056	0.021	1	10/11/24 11:03	10/14/24 22:07	120-12-7	
Benzo(a)pyrene	<0.014	ug/L	0.056	0.014	1	10/11/24 11:03	10/14/24 22:07	50-32-8	
Benzo(b)fluoranthene	<0.010	ug/L	0.056	0.010	1	10/11/24 11:03	10/14/24 22:07	205-99-2	
Benzo(g,h,i)perylene	<0.026	ug/L	0.056	0.026	1	10/11/24 11:03	10/14/24 22:07	191-24-2	
Chrysene	<0.014	ug/L	0.056	0.014	1	10/11/24 11:03	10/14/24 22:07	218-01-9	
Fluoranthene	<0.029	ug/L	0.056	0.029	1	10/11/24 11:03	10/14/24 22:07	206-44-0	
Fluorene	<0.026	ug/L	0.056	0.026	1	10/11/24 11:03	10/14/24 22:07	86-73-7	
Naphthalene	0.029J	ug/L	0.056	0.022	1	10/11/24 11:03	10/14/24 22:07	91-20-3	
Phenanthrene	<0.029	ug/L	0.056	0.029	1	10/11/24 11:03	10/14/24 22:07	85-01-8	
Pyrene	<0.025	ug/L	0.056	0.025	1	10/11/24 11:03	10/14/24 22:07	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	73	%	33-123		1	10/11/24 11:03	10/14/24 22:07	321-60-8	
Terphenyl-d14 (S)	81	%	36-134		1	10/11/24 11:03	10/14/24 22:07	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		10/14/24 16:40	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/14/24 16:40	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/14/24 16:40	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/14/24 16:40	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/14/24 16:40	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/14/24 16:40	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/14/24 16:40	2199-69-1	
4-Bromofluorobenzene (S)	99	%	70-130		1		10/14/24 16:40	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		10/14/24 16:40	2037-26-5	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	46.4	mg/L	10.0	2.2	5		10/23/24 04:59	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	236	mg/L	25.0	7.4	1		10/15/24 11:14		

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ANALYTICAL RESULTS

Project: MARINETTE MGP
Pace Project No.: 40285415

Sample: 100824008 Lab ID: 40285415008 Collected: 10/08/24 14:55 Received: 10/09/24 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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		10/21/24 10:12		

Sample: 100824009 Lab ID: 40285415009 Collected: 10/08/24 15:37 Received: 10/09/24 07:40 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	150	ug/L	11.2	2.3	4		10/10/24 14:36	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	10/10/24 09:38	10/15/24 09:12	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/10/24 09:38	10/15/24 09:12	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/10/24 09:38	10/15/24 09:12	7440-50-8	D3
Iron, Dissolved	243J	ug/L	500	116	2	10/10/24 09:38	10/15/24 09:12	7439-89-6	D3
Manganese, Dissolved	525	ug/L	8.1	2.4	2	10/10/24 09:38	10/15/24 09:12	7439-96-5	
Nickel, Dissolved	12.1	ug/L	2.0	0.57	2	10/10/24 09:38	10/15/24 09:12	7440-02-0	
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/10/24 09:38	10/15/24 09:12	7440-22-4	D3
Vanadium, Dissolved	0.79J	ug/L	2.1	0.63	2	10/10/24 09:38	10/15/24 09:12	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/10/24 09:38	10/15/24 09:12	7440-66-6	D3

8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	0.059	ug/L	0.056	0.021	1	10/11/24 11:03	10/14/24 22:25	120-12-7	
Benzo(a)pyrene	<0.014	ug/L	0.056	0.014	1	10/11/24 11:03	10/14/24 22:25	50-32-8	
Benzo(b)fluoranthene	<0.010	ug/L	0.056	0.010	1	10/11/24 11:03	10/14/24 22:25	205-99-2	
Benzo(g,h,i)perylene	<0.026	ug/L	0.056	0.026	1	10/11/24 11:03	10/14/24 22:25	191-24-2	
Chrysene	<0.014	ug/L	0.056	0.014	1	10/11/24 11:03	10/14/24 22:25	218-01-9	
Fluoranthene	0.36	ug/L	0.056	0.029	1	10/11/24 11:03	10/14/24 22:25	206-44-0	
Fluorene	0.046J	ug/L	0.056	0.026	1	10/11/24 11:03	10/14/24 22:25	86-73-7	
Naphthalene	0.031J	ug/L	0.056	0.022	1	10/11/24 11:03	10/14/24 22:25	91-20-3	
Phenanthrene	<0.029	ug/L	0.056	0.029	1	10/11/24 11:03	10/14/24 22:25	85-01-8	
Pyrene	0.26	ug/L	0.056	0.025	1	10/11/24 11:03	10/14/24 22:25	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	69	%	33-123		1	10/11/24 11:03	10/14/24 22:25	321-60-8	
Terphenyl-d14 (S)	76	%	36-134		1	10/11/24 11:03	10/14/24 22:25	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		10/14/24 16:56	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/14/24 16:56	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/14/24 16:56	108-88-3	

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ANALYTICAL RESULTS

Project: MARINETTE MGP
Pace Project No.: 40285415

Sample: 100824009 Lab ID: 40285415009 Collected: 10/08/24 15:37 Received: 10/09/24 07:40 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									
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/14/24 16:56	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/14/24 16:56	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/14/24 16:56	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/14/24 16:56	2199-69-1	
4-Bromofluorobenzene (S)	101	%	70-130		1		10/14/24 16:56	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		10/14/24 16:56	2037-26-5	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	9.6J	mg/L	10.0	2.2	5		10/23/24 14:04	14808-79-8	D3
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	407	mg/L	25.0	7.4	1		10/15/24 11:15		
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		10/21/24 10:12		

Sample: 100824010 Lab ID: 40285415010 Collected: 10/08/24 16:03 Received: 10/09/24 07:40 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	98.7	ug/L	5.6	1.2	2		10/10/24 14:43	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	10/10/24 09:38	10/15/24 09:16	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/10/24 09:38	10/15/24 09:16	7440-36-0	D3
Copper, Dissolved	34.3	ug/L	12.7	3.8	2	10/10/24 09:38	10/15/24 09:16	7440-50-8	
Iron, Dissolved	2530	ug/L	500	116	2	10/10/24 09:38	10/15/24 09:16	7439-89-6	
Manganese, Dissolved	2970	ug/L	8.1	2.4	2	10/10/24 09:38	10/15/24 09:16	7439-96-5	
Nickel, Dissolved	13.9	ug/L	2.0	0.57	2	10/10/24 09:38	10/15/24 09:16	7440-02-0	
Silver, Dissolved	0.30J	ug/L	1.0	0.25	2	10/10/24 09:38	10/15/24 09:16	7440-22-4	D3
Vanadium, Dissolved	<0.63	ug/L	2.1	0.63	2	10/10/24 09:38	10/15/24 09:16	7440-62-2	D3
Zinc, Dissolved	137	ug/L	68.9	20.7	2	10/10/24 09:38	10/15/24 09:16	7440-66-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	<0.021	ug/L	0.057	0.021	1	10/11/24 11:03	10/14/24 22:44	120-12-7	

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ANALYTICAL RESULTS

Project: MARINETTE MGP
Pace Project No.: 40285415

Sample: 100824010 Lab ID: 40285415010 Collected: 10/08/24 16:03 Received: 10/09/24 07:40 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	<0.015	ug/L	0.057	0.015	1	10/11/24 11:03	10/14/24 22:44	50-32-8	
Benzo(b)fluoranthene	0.011J	ug/L	0.057	0.010	1	10/11/24 11:03	10/14/24 22:44	205-99-2	
Benzo(g,h,i)perylene	<0.027	ug/L	0.057	0.027	1	10/11/24 11:03	10/14/24 22:44	191-24-2	
Chrysene	<0.014	ug/L	0.057	0.014	1	10/11/24 11:03	10/14/24 22:44	218-01-9	
Fluoranthene	<0.030	ug/L	0.057	0.030	1	10/11/24 11:03	10/14/24 22:44	206-44-0	
Fluorene	<0.027	ug/L	0.057	0.027	1	10/11/24 11:03	10/14/24 22:44	86-73-7	
Naphthalene	0.030J	ug/L	0.057	0.023	1	10/11/24 11:03	10/14/24 22:44	91-20-3	
Phenanthrene	<0.029	ug/L	0.057	0.029	1	10/11/24 11:03	10/14/24 22:44	85-01-8	
Pyrene	<0.026	ug/L	0.057	0.026	1	10/11/24 11:03	10/14/24 22:44	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	70	%	33-123		1	10/11/24 11:03	10/14/24 22:44	321-60-8	
Terphenyl-d14 (S)	81	%	36-134		1	10/11/24 11:03	10/14/24 22:44	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		10/14/24 17:12	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/14/24 17:12	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/14/24 17:12	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/14/24 17:12	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/14/24 17:12	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/14/24 17:12	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/14/24 17:12	2199-69-1	
4-Bromofluorobenzene (S)	101	%	70-130		1		10/14/24 17:12	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		10/14/24 17:12	2037-26-5	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	306	mg/L	40.0	8.9	20		10/23/24 14:17	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	683	mg/L	50.0	14.9	2		10/15/24 15:25		
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		10/21/24 10:15		

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ANALYTICAL RESULTS

Project: MARINETTE MGP
Pace Project No.: 40285415

Sample: 100824011 Lab ID: 40285415011 Collected: 10/08/24 16:32 Received: 10/09/24 07:40 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	7120	ug/L	280	57.6	100		10/14/24 13:48	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	10/10/24 09:38	10/15/24 09:21	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/10/24 09:38	10/15/24 09:21	7440-36-0	D3
Copper, Dissolved	7.0J	ug/L	12.7	3.8	2	10/10/24 09:38	10/15/24 09:21	7440-50-8	D3
Iron, Dissolved	36900	ug/L	500	116	2	10/10/24 09:38	10/15/24 09:21	7439-89-6	
Manganese, Dissolved	906	ug/L	8.1	2.4	2	10/10/24 09:38	10/15/24 09:21	7439-96-5	
Nickel, Dissolved	0.81J	ug/L	2.0	0.57	2	10/10/24 09:38	10/15/24 09:21	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/10/24 09:38	10/15/24 09:21	7440-22-4	D3
Vanadium, Dissolved	1.6J	ug/L	2.1	0.63	2	10/10/24 09:38	10/15/24 09:21	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/10/24 09:38	10/15/24 09:21	7440-66-6	D3
8270E MSSV PAH Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	8.6	ug/L	2.7	1.0	50	10/11/24 11:03	10/15/24 00:52	120-12-7	
Benzo(a)pyrene	<0.69	ug/L	2.7	0.69	50	10/11/24 11:03	10/15/24 00:52	50-32-8	
Benzo(b)fluoranthene	<0.50	ug/L	2.7	0.50	50	10/11/24 11:03	10/15/24 00:52	205-99-2	
Benzo(g,h,i)perylene	<1.3	ug/L	2.7	1.3	50	10/11/24 11:03	10/15/24 00:52	191-24-2	
Chrysene	<0.69	ug/L	2.7	0.69	50	10/11/24 11:03	10/15/24 00:52	218-01-9	
Fluoranthene	4.5	ug/L	2.7	1.4	50	10/11/24 11:03	10/15/24 00:52	206-44-0	
Fluorene	35.2	ug/L	2.7	1.3	50	10/11/24 11:03	10/15/24 00:52	86-73-7	
Naphthalene	572	ug/L	2.7	1.1	50	10/11/24 11:03	10/15/24 00:52	91-20-3	
Phenanthrene	41.6	ug/L	2.7	1.4	50	10/11/24 11:03	10/15/24 00:52	85-01-8	
Pyrene	3.7	ug/L	2.7	1.2	50	10/11/24 11:03	10/15/24 00:52	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	65	%	33-123		50	10/11/24 11:03	10/15/24 00:52	321-60-8	
Terphenyl-d14 (S)	68	%	36-134		50	10/11/24 11:03	10/15/24 00:52	1718-51-0	
8260 MSV UST Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	107	ug/L	2.0	0.59	2		10/14/24 18:31	71-43-2	
Ethylbenzene	84.1	ug/L	2.0	0.65	2		10/14/24 18:31	100-41-4	
Toluene	3.2	ug/L	2.0	0.58	2		10/14/24 18:31	108-88-3	
Xylene (Total)	58.6	ug/L	6.0	2.1	2		10/14/24 18:31	1330-20-7	
m&p-Xylene	10.8	ug/L	4.0	1.4	2		10/14/24 18:31	179601-23-1	
o-Xylene	47.9	ug/L	2.0	0.70	2		10/14/24 18:31	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		2		10/14/24 18:31	2199-69-1	
4-Bromofluorobenzene (S)	100	%	70-130		2		10/14/24 18:31	460-00-4	
Toluene-d8 (S)	97	%	70-130		2		10/14/24 18:31	2037-26-5	

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ANALYTICAL RESULTS

Project: MARINETTE MGP
Pace Project No.: 40285415

Sample: 100824011 Lab ID: 40285415011 Collected: 10/08/24 16:32 Received: 10/09/24 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	<2.2	mg/L	10.0	2.2	5		10/23/24 14:29	14808-79-8	D3
310.2 Alkalinity Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	724	mg/L	50.0	14.9	2		10/15/24 15:29		
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		10/21/24 10:16		

Sample: 100824012 Lab ID: 40285415012 Collected: 10/08/24 17:14 Received: 10/09/24 07:40 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	232	ug/L	2.8	0.58	1		10/14/24 09:15	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	10/10/24 09:38	10/15/24 09:25	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/10/24 09:38	10/15/24 09:25	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/10/24 09:38	10/15/24 09:25	7440-50-8	D3
Iron, Dissolved	14000	ug/L	500	116	2	10/10/24 09:38	10/15/24 09:25	7439-89-6	
Manganese, Dissolved	791	ug/L	8.1	2.4	2	10/10/24 09:38	10/15/24 09:25	7439-96-5	
Nickel, Dissolved	<0.57	ug/L	2.0	0.57	2	10/10/24 09:38	10/15/24 09:25	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/10/24 09:38	10/15/24 09:25	7440-22-4	D3
Vanadium, Dissolved	2.4	ug/L	2.1	0.63	2	10/10/24 09:38	10/15/24 09:25	7440-62-2	
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/10/24 09:38	10/15/24 09:25	7440-66-6	D3
8270E MSSV PAH Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	<0.020	ug/L	0.054	0.020	1	10/11/24 11:03	10/14/24 23:02	120-12-7	
Benzo(a)pyrene	<0.014	ug/L	0.054	0.014	1	10/11/24 11:03	10/14/24 23:02	50-32-8	
Benzo(b)fluoranthene	<0.0098	ug/L	0.054	0.0098	1	10/11/24 11:03	10/14/24 23:02	205-99-2	
Benzo(g,h,i)perylene	<0.025	ug/L	0.054	0.025	1	10/11/24 11:03	10/14/24 23:02	191-24-2	
Chrysene	<0.014	ug/L	0.054	0.014	1	10/11/24 11:03	10/14/24 23:02	218-01-9	
Fluoranthene	<0.028	ug/L	0.054	0.028	1	10/11/24 11:03	10/14/24 23:02	206-44-0	
Fluorene	<0.025	ug/L	0.054	0.025	1	10/11/24 11:03	10/14/24 23:02	86-73-7	
Naphthalene	7.0	ug/L	0.054	0.022	1	10/11/24 11:03	10/14/24 23:02	91-20-3	
Phenanthrene	<0.028	ug/L	0.054	0.028	1	10/11/24 11:03	10/14/24 23:02	85-01-8	
Pyrene	0.24	ug/L	0.054	0.024	1	10/11/24 11:03	10/14/24 23:02	129-00-0	

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ANALYTICAL RESULTS

Project: MARINETTE MGP
Pace Project No.: 40285415

Sample: 100824012		Lab ID: 40285415012		Collected: 10/08/24 17:14		Received: 10/09/24 07:40		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									
Surrogates									
2-Fluorobiphenyl (S)	70	%	33-123		1	10/11/24 11:03	10/14/24 23:02	321-60-8	
Terphenyl-d14 (S)	83	%	36-134		1	10/11/24 11:03	10/14/24 23:02	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		10/14/24 17:28	71-43-2	
Ethylbenzene	2.0	ug/L	1.0	0.33	1		10/14/24 17:28	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/14/24 17:28	108-88-3	
Xylene (Total)	10.3	ug/L	3.0	1.0	1		10/14/24 17:28	1330-20-7	
m&p-Xylene	2.2	ug/L	2.0	0.70	1		10/14/24 17:28	179601-23-1	
o-Xylene	8.1	ug/L	1.0	0.35	1		10/14/24 17:28	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/14/24 17:28	2199-69-1	
4-Bromofluorobenzene (S)	100	%	70-130		1		10/14/24 17:28	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		10/14/24 17:28	2037-26-5	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	159	mg/L	10.0	2.2	5		10/23/24 14:42	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	247	mg/L	25.0	7.4	1		10/15/24 11:18		
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		10/21/24 10:17		

Sample: 100824013		Lab ID: 40285415013		Collected: 10/08/24 17:47		Received: 10/09/24 07:40		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	13300	ug/L	280	57.6	100		10/14/24 13:55	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	10/10/24 09:38	10/15/24 09:29	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/10/24 09:38	10/15/24 09:29	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/10/24 09:38	10/15/24 09:29	7440-50-8	D3
Iron, Dissolved	40300	ug/L	500	116	2	10/10/24 09:38	10/15/24 09:29	7439-89-6	

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ANALYTICAL RESULTS

Project: MARINETTE MGP
Pace Project No.: 40285415

Sample: 100824013 Lab ID: 40285415013 Collected: 10/08/24 17:47 Received: 10/09/24 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Manganese, Dissolved	1380	ug/L	8.1	2.4	2	10/10/24 09:38	10/15/24 09:29	7439-96-5	
Nickel, Dissolved	<0.57	ug/L	2.0	0.57	2	10/10/24 09:38	10/15/24 09:29	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/10/24 09:38	10/15/24 09:29	7440-22-4	D3
Vanadium, Dissolved	<0.63	ug/L	2.1	0.63	2	10/10/24 09:38	10/15/24 09:29	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/10/24 09:38	10/15/24 09:29	7440-66-6	D3
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	0.033J	ug/L	0.057	0.021	1	10/11/24 11:03	10/14/24 23:20	120-12-7	
Benzo(a)pyrene	<0.015	ug/L	0.057	0.015	1	10/11/24 11:03	10/14/24 23:20	50-32-8	
Benzo(b)fluoranthene	<0.010	ug/L	0.057	0.010	1	10/11/24 11:03	10/14/24 23:20	205-99-2	
Benzo(g,h,i)perylene	<0.027	ug/L	0.057	0.027	1	10/11/24 11:03	10/14/24 23:20	191-24-2	
Chrysene	<0.014	ug/L	0.057	0.014	1	10/11/24 11:03	10/14/24 23:20	218-01-9	
Fluoranthene	0.074	ug/L	0.057	0.030	1	10/11/24 11:03	10/14/24 23:20	206-44-0	
Fluorene	0.13	ug/L	0.057	0.027	1	10/11/24 11:03	10/14/24 23:20	86-73-7	
Naphthalene	<0.023	ug/L	0.057	0.023	1	10/11/24 11:03	10/14/24 23:20	91-20-3	
Phenanthrene	0.14	ug/L	0.057	0.029	1	10/11/24 11:03	10/14/24 23:20	85-01-8	
Pyrene	0.065	ug/L	0.057	0.026	1	10/11/24 11:03	10/14/24 23:20	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	64	%	33-123		1	10/11/24 11:03	10/14/24 23:20	321-60-8	
Terphenyl-d14 (S)	71	%	36-134		1	10/11/24 11:03	10/14/24 23:20	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		10/14/24 14:05	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/14/24 14:05	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/14/24 14:05	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/14/24 14:05	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/14/24 14:05	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/14/24 14:05	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/14/24 14:05	2199-69-1	
4-Bromofluorobenzene (S)	101	%	70-130		1		10/14/24 14:05	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		10/14/24 14:05	2037-26-5	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	3.9J	mg/L	10.0	2.2	5		10/23/24 14:55	14808-79-8	D3
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	841	mg/L	50.0	14.9	2		10/15/24 15:30		

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ANALYTICAL RESULTS

Project: MARINETTE MGP
Pace Project No.: 40285415

Sample: 100824013 Lab ID: 40285415013 Collected: 10/08/24 17:47 Received: 10/09/24 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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		10/21/24 10:18		

Sample: 100824014 Lab ID: 40285415014 Collected: 10/08/24 18:15 Received: 10/09/24 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	3420	ug/L	70.0	14.4	25		10/14/24 14:02	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	10/10/24 09:38	10/15/24 09:33	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/10/24 09:38	10/15/24 09:33	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/10/24 09:38	10/15/24 09:33	7440-50-8	D3
Iron, Dissolved	20800	ug/L	500	116	2	10/10/24 09:38	10/15/24 09:33	7439-89-6	
Manganese, Dissolved	800	ug/L	8.1	2.4	2	10/10/24 09:38	10/15/24 09:33	7439-96-5	
Nickel, Dissolved	0.66J	ug/L	2.0	0.57	2	10/10/24 09:38	10/15/24 09:33	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/10/24 09:38	10/15/24 09:33	7440-22-4	D3
Vanadium, Dissolved	4.4	ug/L	2.1	0.63	2	10/10/24 09:38	10/15/24 09:33	7440-62-2	
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/10/24 09:38	10/15/24 09:33	7440-66-6	D3

8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	0.046J	ug/L	0.055	0.020	1	10/11/24 11:03	10/14/24 23:39	120-12-7	
Benzo(a)pyrene	0.021J	ug/L	0.055	0.014	1	10/11/24 11:03	10/14/24 23:39	50-32-8	
Benzo(b)fluoranthene	0.044J	ug/L	0.055	0.010	1	10/11/24 11:03	10/14/24 23:39	205-99-2	
Benzo(g,h,i)perylene	0.027J	ug/L	0.055	0.026	1	10/11/24 11:03	10/14/24 23:39	191-24-2	
Chrysene	0.034J	ug/L	0.055	0.014	1	10/11/24 11:03	10/14/24 23:39	218-01-9	
Fluoranthene	0.17	ug/L	0.055	0.029	1	10/11/24 11:03	10/14/24 23:39	206-44-0	
Fluorene	0.87	ug/L	0.055	0.026	1	10/11/24 11:03	10/14/24 23:39	86-73-7	
Naphthalene	0.27	ug/L	0.055	0.022	1	10/11/24 11:03	10/14/24 23:39	91-20-3	
Phenanthrene	0.040J	ug/L	0.055	0.028	1	10/11/24 11:03	10/14/24 23:39	85-01-8	
Pyrene	0.12	ug/L	0.055	0.025	1	10/11/24 11:03	10/14/24 23:39	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	70	%	33-123		1	10/11/24 11:03	10/14/24 23:39	321-60-8	
Terphenyl-d14 (S)	82	%	36-134		1	10/11/24 11:03	10/14/24 23:39	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		10/14/24 17:44	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/14/24 17:44	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/14/24 17:44	108-88-3	

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ANALYTICAL RESULTS

Project: MARINETTE MGP
Pace Project No.: 40285415

Sample: 100824014 Lab ID: 40285415014 Collected: 10/08/24 18:15 Received: 10/09/24 07:40 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									
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/14/24 17:44	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/14/24 17:44	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/14/24 17:44	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/14/24 17:44	2199-69-1	
4-Bromofluorobenzene (S)	100	%	70-130		1		10/14/24 17:44	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		10/14/24 17:44	2037-26-5	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	6.1J	mg/L	10.0	2.2	5		10/23/24 15:08	14808-79-8	D3
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	440	mg/L	25.0	7.4	1		10/15/24 11:23		
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		10/21/24 10:18		

Sample: 100824015 Lab ID: 40285415015 Collected: 10/08/24 18:30 Received: 10/09/24 07:40 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		10/14/24 11:58	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	10/10/24 09:38	10/17/24 11:55	7429-90-5	
Antimony, Dissolved	<0.15	ug/L	1.0	0.15	1	10/10/24 09:38	10/17/24 11:55	7440-36-0	
Copper, Dissolved	<1.9	ug/L	6.4	1.9	1	10/10/24 09:38	10/17/24 11:55	7440-50-8	
Iron, Dissolved	<58.0	ug/L	250	58.0	1	10/10/24 09:38	10/17/24 11:55	7439-89-6	
Manganese, Dissolved	<1.2	ug/L	4.0	1.2	1	10/10/24 09:38	10/17/24 11:55	7439-96-5	
Nickel, Dissolved	<0.28	ug/L	1.0	0.28	1	10/10/24 09:38	10/17/24 11:55	7440-02-0	
Silver, Dissolved	<0.13	ug/L	0.50	0.13	1	10/10/24 09:38	10/17/24 11:55	7440-22-4	
Vanadium, Dissolved	<0.32	ug/L	1.0	0.32	1	10/10/24 09:38	10/17/24 11:55	7440-62-2	
Zinc, Dissolved	<10.3	ug/L	34.4	10.3	1	10/10/24 09:38	10/17/24 11:55	7440-66-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	<0.018	ug/L	0.050	0.018	1	10/11/24 11:03	10/14/24 23:57	120-12-7	

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ANALYTICAL RESULTS

Project: MARINETTE MGP

Pace Project No.: 40285415

Sample: 100824015 Lab ID: 40285415015 Collected: 10/08/24 18:30 Received: 10/09/24 07:40 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	<0.013	ug/L	0.050	0.013	1	10/11/24 11:03	10/14/24 23:57	50-32-8	
Benzo(b)fluoranthene	<0.0090	ug/L	0.050	0.0090	1	10/11/24 11:03	10/14/24 23:57	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.050	0.023	1	10/11/24 11:03	10/14/24 23:57	191-24-2	
Chrysene	<0.012	ug/L	0.050	0.012	1	10/11/24 11:03	10/14/24 23:57	218-01-9	
Fluoranthene	<0.026	ug/L	0.050	0.026	1	10/11/24 11:03	10/14/24 23:57	206-44-0	
Fluorene	<0.023	ug/L	0.050	0.023	1	10/11/24 11:03	10/14/24 23:57	86-73-7	
Naphthalene	0.042J	ug/L	0.050	0.020	1	10/11/24 11:03	10/14/24 23:57	91-20-3	
Phenanthrene	0.031J	ug/L	0.050	0.025	1	10/11/24 11:03	10/14/24 23:57	85-01-8	
Pyrene	<0.022	ug/L	0.050	0.022	1	10/11/24 11:03	10/14/24 23:57	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	69	%	33-123		1	10/11/24 11:03	10/14/24 23:57	321-60-8	
Terphenyl-d14 (S)	81	%	36-134		1	10/11/24 11:03	10/14/24 23:57	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		10/14/24 17:59	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/14/24 17:59	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/14/24 17:59	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/14/24 17:59	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/14/24 17:59	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/14/24 17:59	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/14/24 17:59	2199-69-1	
4-Bromofluorobenzene (S)	100	%	70-130		1		10/14/24 17:59	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		10/14/24 17:59	2037-26-5	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	0.65J	mg/L	2.0	0.44	1		10/23/24 15:21	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		10/15/24 11:24		
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		10/21/24 10:19		

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ANALYTICAL RESULTS

Project: MARINETTE MGP

Pace Project No.: 40285415

Sample: 100824016 Lab ID: 40285415016 Collected: 10/08/24 00:00 Received: 10/09/24 07:40 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		10/14/24 09:53	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/14/24 09:53	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/14/24 09:53	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/14/24 09:53	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/14/24 09:53	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/14/24 09:53	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/14/24 09:53	2199-69-1	
4-Bromofluorobenzene (S)	100	%	70-130		1		10/14/24 09:53	460-00-4	
Toluene-d8 (S)	97	%	70-130		1		10/14/24 09:53	2037-26-5	

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QUALITY CONTROL DATA

Project: MARINETTE MGP

Pace Project No.: 40285415

QC Batch:	486804	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:	40285415001, 40285415002, 40285415003, 40285415004, 40285415005, 40285415006, 40285415007, 40285415008, 40285415009, 40285415010		

METHOD BLANK:	2787783	Matrix:	Water
Associated Lab Samples:	40285415001, 40285415002, 40285415003, 40285415004, 40285415005, 40285415006, 40285415007, 40285415008, 40285415009, 40285415010		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	<0.58	2.8	10/10/24 12:10	

LABORATORY CONTROL SAMPLE & LCSD:		2787784	2787785							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Methane	ug/L	28.6	31.5	23.4	110	82	73-121	30	20	R1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:					2787786	2787787							
Parameter	Units	40285415002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Methane	ug/L	20.2	28.6	28.6	53.1	56.6	115	127	10-184	6	33		

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QUALITY CONTROL DATA

Project: MARINETTE MGP

Pace Project No.: 40285415

QC Batch:	487042	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:	40285415011, 40285415012, 40285415013, 40285415014, 40285415015		

METHOD BLANK:	2789633	Matrix:	Water
Associated Lab Samples:	40285415011, 40285415012, 40285415013, 40285415014, 40285415015		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	<0.58	2.8	10/14/24 07:52	

LABORATORY CONTROL SAMPLE & LCSD:		2789634	2789635							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Methane	ug/L	28.6	32.7	31.8	115	111	73-121	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:					2789636	2789637							
Parameter	Units	40285482004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Methane	ug/L	7600	2860	2860	7620	9570	1	69	10-184	23	33	M1	

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QUALITY CONTROL DATA

Project: MARINETTE MGP
Pace Project No.: 40285415

QC Batch:	486809	Analysis Method:	EPA 6020B
QC Batch Method:	EPA 3010A	Analysis Description:	6020B MET Dissolved
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40285415001, 40285415002, 40285415003, 40285415004, 40285415005, 40285415006, 40285415007, 40285415008, 40285415009, 40285415010, 40285415011, 40285415012, 40285415013, 40285415014, 40285415015		

METHOD BLANK: 2787804 Matrix: Water
Associated Lab Samples: 40285415001, 40285415002, 40285415003, 40285415004, 40285415005, 40285415006, 40285415007, 40285415008, 40285415009, 40285415010, 40285415011, 40285415012, 40285415013, 40285415014, 40285415015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	<58.7	250	10/15/24 07:35	
Antimony, Dissolved	ug/L	0.26J	1.0	10/15/24 07:35	
Copper, Dissolved	ug/L	<1.9	6.4	10/15/24 07:35	
Iron, Dissolved	ug/L	<58.0	250	10/15/24 07:35	
Manganese, Dissolved	ug/L	<1.2	4.0	10/15/24 07:35	
Nickel, Dissolved	ug/L	<0.28	1.0	10/15/24 07:35	
Silver, Dissolved	ug/L	<0.13	0.50	10/15/24 07:35	
Vanadium, Dissolved	ug/L	<0.32	1.0	10/15/24 07:35	
Zinc, Dissolved	ug/L	<10.3	34.4	10/15/24 07:35	

LABORATORY CONTROL SAMPLE: 2787805

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	9990	100	80-120	
Antimony, Dissolved	ug/L	250	243	97	80-120	
Copper, Dissolved	ug/L	250	254	102	80-120	
Iron, Dissolved	ug/L	10000	10200	102	80-120	
Manganese, Dissolved	ug/L	250	250	100	80-120	
Nickel, Dissolved	ug/L	250	253	101	80-120	
Silver, Dissolved	ug/L	125	126	101	80-120	
Vanadium, Dissolved	ug/L	250	246	98	80-120	
Zinc, Dissolved	ug/L	250	248	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2787846 2787847

Parameter	Units	40285415002	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result										
Aluminum, Dissolved	ug/L	<117	10000	10000	9980	9710	100	97	75-125	3	20	
Antimony, Dissolved	ug/L	<0.30	250	250	246	243	98	97	75-125	1	20	
Copper, Dissolved	ug/L	<3.8	250	250	252	252	100	100	75-125	0	20	
Iron, Dissolved	ug/L	686	10000	10000	10800	10700	101	101	75-125	0	20	
Manganese, Dissolved	ug/L	368	250	250	615	611	99	97	75-125	1	20	
Nickel, Dissolved	ug/L	<0.57	250	250	255	254	102	101	75-125	0	20	
Silver, Dissolved	ug/L	<0.25	125	125	125	123	100	99	75-125	1	20	

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QUALITY CONTROL DATA

Project: MARINETTE MGP
Pace Project No.: 40285415

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 27878462787847												
Parameter	Units	40285415002	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual
		Result	Spike Conc.	Spike Conc.								
Vanadium, Dissolved	ug/L	<0.63	250	250	251	251	100	100	75-125	0	20	
Zinc, Dissolved	ug/L	<20.7	250	250	253	249	96	94	75-125	2	20	

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QUALITY CONTROL DATA

Project: MARINETTE MGP
Pace Project No.: 40285415

QC Batch:	486963	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV UST-WATER
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40285415001, 40285415002, 40285415003, 40285415004, 40285415005, 40285415006, 40285415007, 40285415008, 40285415009, 40285415010, 40285415011, 40285415012, 40285415013, 40285415014, 40285415015, 40285415016		

METHOD BLANK: 2788710 Matrix: Water
Associated Lab Samples: 40285415001, 40285415002, 40285415003, 40285415004, 40285415005, 40285415006, 40285415007, 40285415008, 40285415009, 40285415010, 40285415011, 40285415012, 40285415013, 40285415014, 40285415015, 40285415016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.30	1.0	10/14/24 08:34	
Ethylbenzene	ug/L	<0.33	1.0	10/14/24 08:34	
m&p-Xylene	ug/L	<0.70	2.0	10/14/24 08:34	
o-Xylene	ug/L	<0.35	1.0	10/14/24 08:34	
Toluene	ug/L	<0.29	1.0	10/14/24 08:34	
Xylene (Total)	ug/L	<1.0	3.0	10/14/24 08:34	
1,2-Dichlorobenzene-d4 (S)	%	98	70-130	10/14/24 08:34	
4-Bromofluorobenzene (S)	%	100	70-130	10/14/24 08:34	
Toluene-d8 (S)	%	98	70-130	10/14/24 08:34	

LABORATORY CONTROL SAMPLE: 2788711

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	49.7	99	70-130	
Ethylbenzene	ug/L	50	54.1	108	80-125	
m&p-Xylene	ug/L	100	103	103	70-130	
o-Xylene	ug/L	50	50.8	102	70-130	
Toluene	ug/L	50	51.2	102	80-120	
Xylene (Total)	ug/L	150	154	103	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2788712 2788713

Parameter	Units	40285415002		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Result	Conc.	Conc.								
Benzene	ug/L	<0.30		50	50	48.3	50.4	97	101	70-130	4	20	
Ethylbenzene	ug/L	<0.33		50	50	52.7	53.4	105	107	80-126	1	20	
m&p-Xylene	ug/L	<0.70		100	100	99.9	104	100	104	70-130	4	20	
o-Xylene	ug/L	<0.35		50	50	49.8	51.1	100	102	70-130	3	20	
Toluene	ug/L	<0.29		50	50	48.8	51.3	98	103	80-121	5	20	
Xylene (Total)	ug/L	<1.0		150	150	150	155	100	103	70-130	3	20	
1,2-Dichlorobenzene-d4 (S)	%							99	99	70-130			

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QUALITY CONTROL DATA

Project: MARINETTE MGP
Pace Project No.: 40285415

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:												
2788712					2788713							
			MS	MSD								
		40285415002	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
4-Bromofluorobenzene (S)	%						103	103	70-130			
Toluene-d8 (S)	%						99	99	70-130			

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REPORT OF LABORATORY ANALYSIS



QUALITY CONTROL DATA

Project: MARINETTE MGP
Pace Project No.: 40285415

QC Batch: 486925 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: 40285415001, 40285415002, 40285415003, 40285415004, 40285415005, 40285415006, 40285415007

METHOD BLANK: 2788607 Matrix: Water
Associated Lab Samples: 40285415001, 40285415002, 40285415003, 40285415004, 40285415005, 40285415006, 40285415007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Anthracene	ug/L	<0.018	0.050	10/14/24 15:42	
Benzo(a)pyrene	ug/L	<0.013	0.050	10/14/24 15:42	
Benzo(b)fluoranthene	ug/L	<0.0091	0.050	10/14/24 15:42	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	10/14/24 15:42	
Chrysene	ug/L	<0.013	0.050	10/14/24 15:42	
Fluoranthene	ug/L	<0.026	0.050	10/14/24 15:42	
Fluorene	ug/L	<0.024	0.050	10/14/24 15:42	
Naphthalene	ug/L	<0.020	0.050	10/14/24 15:42	
Phenanthrene	ug/L	<0.026	0.050	10/14/24 15:42	
Pyrene	ug/L	<0.023	0.050	10/14/24 15:42	
2-Fluorobiphenyl (S)	%	87	33-123	10/14/24 15:42	
Terphenyl-d14 (S)	%	100	36-134	10/14/24 15:42	

LABORATORY CONTROL SAMPLE: 2788608

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	ug/L	2	2.0	99	61-120	
Benzo(a)pyrene	ug/L	2	2.0	101	60-120	
Benzo(b)fluoranthene	ug/L	2	2.0	98	56-120	
Benzo(g,h,i)perylene	ug/L	2	2.0	98	57-120	
Chrysene	ug/L	2	2.0	98	62-125	
Fluoranthene	ug/L	2	2.1	107	62-120	
Fluorene	ug/L	2	2.0	98	57-120	
Naphthalene	ug/L	2	1.9	94	46-120	
Phenanthrene	ug/L	2	2.0	100	63-120	
Pyrene	ug/L	2	1.9	96	52-120	
2-Fluorobiphenyl (S)	%			85	33-123	
Terphenyl-d14 (S)	%			96	36-134	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2788609 2788610

Parameter	Units	40285415002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Anthracene	ug/L	<0.019	2.1	2.1	2.2	2.1	104	96	37-120	6	29	
Benzo(a)pyrene	ug/L	0.017J	2.1	2.1	2.1	2.1	100	97	31-120	2	34	
Benzo(b)fluoranthene	ug/L	0.017J	2.1	2.1	2.1	2.0	97	93	29-124	2	25	
Benzo(g,h,i)perylene	ug/L	<0.024	2.1	2.1	2.2	2.1	101	98	17-124	2	29	

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QUALITY CONTROL DATA

Project: MARINETTE MGP

Pace Project No.: 40285415

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2788609 2788610											
Parameter	Units	40285415002		MS	MSD	2788610		MS	MSD	% Rec	Max
		Result	Conc.	Spike	Spike	Result	Result	% Rec	% Rec	Limits	RPD
Chrysene	ug/L	<0.013	2.1	2.1	2.1	2.2	2.2	103	102	25-153	1
Fluoranthene	ug/L	<0.027	2.1	2.1	2.1	2.3	2.3	107	104	39-129	0
Fluorene	ug/L	<0.025	2.1	2.1	2.1	2.0	2.0	96	93	41-120	1
Naphthalene	ug/L	0.037J	2.1	2.1	2.1	2.0	2.0	95	92	16-136	1
Phenanthrene	ug/L	<0.027	2.1	2.1	2.1	2.1	2.1	98	95	39-120	1
Pyrene	ug/L	0.033J	2.1	2.1	2.1	2.0	2.0	94	92	31-122	0
2-Fluorobiphenyl (S)	%							88	85	33-123	
Terphenyl-d14 (S)	%							93	90	36-134	

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QUALITY CONTROL DATA

Project: MARINETTE MGP
Pace Project No.: 40285415

QC Batch:	486962	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: 40285415008, 40285415009, 40285415010, 40285415011, 40285415012, 40285415013, 40285415014, 40285415015

METHOD BLANK: 2788705 Matrix: Water
Associated Lab Samples: 40285415008, 40285415009, 40285415010, 40285415011, 40285415012, 40285415013, 40285415014, 40285415015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Anthracene	ug/L	<0.018	0.050	10/14/24 16:00	
Benzo(a)pyrene	ug/L	<0.013	0.050	10/14/24 16:00	
Benzo(b)fluoranthene	ug/L	<0.0091	0.050	10/14/24 16:00	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	10/14/24 16:00	
Chrysene	ug/L	<0.013	0.050	10/14/24 16:00	
Fluoranthene	ug/L	<0.026	0.050	10/14/24 16:00	
Fluorene	ug/L	<0.024	0.050	10/14/24 16:00	
Naphthalene	ug/L	<0.020	0.050	10/14/24 16:00	
Phenanthrene	ug/L	<0.026	0.050	10/14/24 16:00	
Pyrene	ug/L	<0.023	0.050	10/14/24 16:00	
2-Fluorobiphenyl (S)	%	72	33-123	10/14/24 16:00	
Terphenyl-d14 (S)	%	83	36-134	10/14/24 16:00	

LABORATORY CONTROL SAMPLE & LCSD:		2788706	2788707							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Anthracene	ug/L	2	1.7	1.7	83	86	61-120	3	20	
Benzo(a)pyrene	ug/L	2	1.6	1.7	81	86	60-120	6	20	
Benzo(b)fluoranthene	ug/L	2	1.7	1.7	84	87	56-120	4	20	
Benzo(g,h,i)perylene	ug/L	2	1.6	1.7	80	84	57-120	5	20	
Chrysene	ug/L	2	1.7	1.7	83	85	62-125	3	20	
Fluoranthene	ug/L	2	1.8	1.9	91	95	62-120	5	20	
Fluorene	ug/L	2	1.7	1.7	83	87	57-120	5	20	
Naphthalene	ug/L	2	1.6	1.7	82	84	46-120	3	20	
Phenanthrene	ug/L	2	1.7	1.8	84	88	63-120	5	20	
Pyrene	ug/L	2	1.6	1.7	81	83	52-120	3	20	
2-Fluorobiphenyl (S)	%				73	75	33-123			
Terphenyl-d14 (S)	%				80	83	36-134			

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QUALITY CONTROL DATA

Project: MARINETTE MGP
Pace Project No.: 40285415

QC Batch:	487853	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: 40285415001, 40285415002, 40285415003, 40285415004, 40285415005, 40285415006, 40285415007, 40285415008, 40285415009, 40285415010, 40285415011, 40285415012, 40285415013, 40285415014, 40285415015

METHOD BLANK:	2794165	Matrix:	Water
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Associated Lab Samples: 40285415001, 40285415002, 40285415003, 40285415004, 40285415005, 40285415006, 40285415007, 40285415008, 40285415009, 40285415010, 40285415011, 40285415012, 40285415013, 40285415014, 40285415015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	10/23/24 00:42	

LABORATORY CONTROL SAMPLE: 2794166

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	21.2	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2794167 2794168

Parameter	Units	40285315002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	51.5J	2000	2000	2140	2100	104	103	90-110	2	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2794169 2794170

Parameter	Units	40285415002 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	158	158	105	105	90-110	1	15	

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QUALITY CONTROL DATA

Project: MARINETTE MGP
Pace Project No.: 40285415

QC Batch: 487142 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: 40285415001, 40285415002, 40285415003, 40285415004, 40285415005, 40285415006, 40285415007, 40285415008, 40285415009, 40285415010, 40285415011, 40285415012, 40285415013, 40285415014, 40285415015

METHOD BLANK: 2789887 Matrix: Water
Associated Lab Samples: 40285415001, 40285415002, 40285415003, 40285415004, 40285415005, 40285415006, 40285415007, 40285415008, 40285415009, 40285415010, 40285415011, 40285415012, 40285415013, 40285415014, 40285415015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	<7.4	25.0	10/15/24 10:57	

LABORATORY CONTROL SAMPLE: 2789888

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	100	102	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2789889 2789890

Parameter	Units	40285415002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO ₃	mg/L	237	100	100	340	338	103	102	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2789891 2789892

Parameter	Units	40285425001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO ₃	mg/L	360	100	100	456	461	96	101	90-110	1	20	

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QUALITY CONTROL DATA

Project: MARINETTE MGP
Pace Project No.: 40285415

QC Batch:	487715	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:	40285415001, 40285415002, 40285415003, 40285415004, 40285415005, 40285415006, 40285415007, 40285415008, 40285415009, 40285415010, 40285415011, 40285415012, 40285415013, 40285415014, 40285415015		

METHOD BLANK:	2793437	Matrix:	Water
Associated Lab Samples:	40285415001, 40285415002, 40285415003, 40285415004, 40285415005, 40285415006, 40285415007, 40285415008, 40285415009, 40285415010, 40285415011, 40285415012, 40285415013, 40285415014, 40285415015		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.059	0.25	10/21/24 09:56	

LABORATORY CONTROL SAMPLE: 2793438						
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:													2793439					2793440
				MS	MSD													
		40284610002	Spike	Spike		MS	MSD	MS	MSD	% Rec		Max						
Parameter	Units	Result	Conc.	Conc.		Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual					
Nitrogen, NO2 plus NO3	mg/L	62.7	25	25		86.5	87.0	95	97	90-110	1	20						

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:												
2793441					2793442							
		40285415002	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Parameter	Units	Result										
Nitrogen, NO2 plus NO3	mg/L	<0.059	2.5	2.5	2.6	2.6	104	102	90-110	2	20	

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QUALIFIERS

Project: MARINETTE MGP
Pace Project No.: 40285415

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 - The reported result is an estimated value.
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 - Analyte was not detected and is reported as less than the LOD or as defined by the customer.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 487009

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

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.
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1 RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MARINETTE MGP
Pace Project No.: 40285415

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40285415001	100824001	EPA 8015B Modified	486804		
40285415002	100824002	EPA 8015B Modified	486804		
40285415003	100824003	EPA 8015B Modified	486804		
40285415004	100824004	EPA 8015B Modified	486804		
40285415005	100824005	EPA 8015B Modified	486804		
40285415006	100824006	EPA 8015B Modified	486804		
40285415007	100824007	EPA 8015B Modified	486804		
40285415008	100824008	EPA 8015B Modified	486804		
40285415009	100824009	EPA 8015B Modified	486804		
40285415010	100824010	EPA 8015B Modified	486804		
40285415011	100824011	EPA 8015B Modified	487042		
40285415012	100824012	EPA 8015B Modified	487042		
40285415013	100824013	EPA 8015B Modified	487042		
40285415014	100824014	EPA 8015B Modified	487042		
40285415015	100824015	EPA 8015B Modified	487042		
40285415001	100824001	EPA 3010A	486809	EPA 6020B	487001
40285415002	100824002	EPA 3010A	486809	EPA 6020B	487001
40285415003	100824003	EPA 3010A	486809	EPA 6020B	487001
40285415004	100824004	EPA 3010A	486809	EPA 6020B	487001
40285415005	100824005	EPA 3010A	486809	EPA 6020B	487001
40285415006	100824006	EPA 3010A	486809	EPA 6020B	487001
40285415007	100824007	EPA 3010A	486809	EPA 6020B	487001
40285415008	100824008	EPA 3010A	486809	EPA 6020B	487001
40285415009	100824009	EPA 3010A	486809	EPA 6020B	487001
40285415010	100824010	EPA 3010A	486809	EPA 6020B	487001
40285415011	100824011	EPA 3010A	486809	EPA 6020B	487001
40285415012	100824012	EPA 3010A	486809	EPA 6020B	487001
40285415013	100824013	EPA 3010A	486809	EPA 6020B	487001
40285415014	100824014	EPA 3010A	486809	EPA 6020B	487001
40285415015	100824015	EPA 3010A	486809	EPA 6020B	487001
40285415001	100824001	EPA 3510	486925	EPA 8270E by SIM	486976
40285415002	100824002	EPA 3510	486925	EPA 8270E by SIM	486976
40285415003	100824003	EPA 3510	486925	EPA 8270E by SIM	486976
40285415004	100824004	EPA 3510	486925	EPA 8270E by SIM	486976
40285415005	100824005	EPA 3510	486925	EPA 8270E by SIM	486976
40285415006	100824006	EPA 3510	486925	EPA 8270E by SIM	486976
40285415007	100824007	EPA 3510	486925	EPA 8270E by SIM	486976
40285415008	100824008	EPA 3510	486962	EPA 8270E by SIM	487009
40285415009	100824009	EPA 3510	486962	EPA 8270E by SIM	487009
40285415010	100824010	EPA 3510	486962	EPA 8270E by SIM	487009
40285415011	100824011	EPA 3510	486962	EPA 8270E by SIM	487009
40285415012	100824012	EPA 3510	486962	EPA 8270E by SIM	487009
40285415013	100824013	EPA 3510	486962	EPA 8270E by SIM	487009
40285415014	100824014	EPA 3510	486962	EPA 8270E by SIM	487009
40285415015	100824015	EPA 3510	486962	EPA 8270E by SIM	487009
40285415001	100824001	EPA 8260	486963		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MARINETTE MGP
Pace Project No.: 40285415

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40285415002	100824002	EPA 8260	486963		
40285415003	100824003	EPA 8260	486963		
40285415004	100824004	EPA 8260	486963		
40285415005	100824005	EPA 8260	486963		
40285415006	100824006	EPA 8260	486963		
40285415007	100824007	EPA 8260	486963		
40285415008	100824008	EPA 8260	486963		
40285415009	100824009	EPA 8260	486963		
40285415010	100824010	EPA 8260	486963		
40285415011	100824011	EPA 8260	486963		
40285415012	100824012	EPA 8260	486963		
40285415013	100824013	EPA 8260	486963		
40285415014	100824014	EPA 8260	486963		
40285415015	100824015	EPA 8260	486963		
40285415016	100824016	EPA 8260	486963		
40285415001	100824001	EPA 300.0	487853		
40285415002	100824002	EPA 300.0	487853		
40285415003	100824003	EPA 300.0	487853		
40285415004	100824004	EPA 300.0	487853		
40285415005	100824005	EPA 300.0	487853		
40285415006	100824006	EPA 300.0	487853		
40285415007	100824007	EPA 300.0	487853		
40285415008	100824008	EPA 300.0	487853		
40285415009	100824009	EPA 300.0	487853		
40285415010	100824010	EPA 300.0	487853		
40285415011	100824011	EPA 300.0	487853		
40285415012	100824012	EPA 300.0	487853		
40285415013	100824013	EPA 300.0	487853		
40285415014	100824014	EPA 300.0	487853		
40285415015	100824015	EPA 300.0	487853		
40285415001	100824001	EPA 310.2	487142		
40285415002	100824002	EPA 310.2	487142		
40285415003	100824003	EPA 310.2	487142		
40285415004	100824004	EPA 310.2	487142		
40285415005	100824005	EPA 310.2	487142		
40285415006	100824006	EPA 310.2	487142		
40285415007	100824007	EPA 310.2	487142		
40285415008	100824008	EPA 310.2	487142		
40285415009	100824009	EPA 310.2	487142		
40285415010	100824010	EPA 310.2	487142		
40285415011	100824011	EPA 310.2	487142		
40285415012	100824012	EPA 310.2	487142		
40285415013	100824013	EPA 310.2	487142		
40285415014	100824014	EPA 310.2	487142		
40285415015	100824015	EPA 310.2	487142		
40285415001	100824001	EPA 353.2	487715		
40285415002	100824002	EPA 353.2	487715		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MARINETTE MGP

Pace Project No.: 40285415

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40285415003	100824003	EPA 353.2	487715		
40285415004	100824004	EPA 353.2	487715		
40285415005	100824005	EPA 353.2	487715		
40285415006	100824006	EPA 353.2	487715		
40285415007	100824007	EPA 353.2	487715		
40285415008	100824008	EPA 353.2	487715		
40285415009	100824009	EPA 353.2	487715		
40285415010	100824010	EPA 353.2	487715		
40285415011	100824011	EPA 353.2	487715		
40285415012	100824012	EPA 353.2	487715		
40285415013	100824013	EPA 353.2	487715		
40285415014	100824014	EPA 353.2	487715		
40285415015	100824015	EPA 353.2	487715		

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Company Name: O'Brien & Gere Engineers, Inc Integrays WI		Contact/Report To: <u>Brian Hennings Abby Small</u>																					
Street Address: 234 W. Florida St, 5th Floor Milwaukee, WI 53204		Phone #: 414-837-3524																					
		E-Mail: <u>asmall</u> brian.hennings@ramboll.com																					
		Cc E-Mail: <u>hwalters@ramboll.com</u>																					
Customer Project #:		Invoice To: Accounts - WEC		Specify Container Size ** 3 6 5 3 6 3 6 **Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other																			
Project Name: <u>TWO RIVERS MGP Marinette MGP</u>		Invoice E-Mail: invoicecollector@wecenergygroup.com		Identify Container Preservative Type*** 3 4 1 2 4 1 4 *** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other																			
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable): 1200187395		Analysis Requested 353.2 Nitrogen, NO2/NO3 pres. 8260 BTEX 6270 E-MSEW PAH 8270 SIM Al-Sb-As-Ba-Cr-Cu-Mn-Ni-Ng-Pb-Sr-Ti-V-Zn Fe Mn-HS 6020 A Methane 8015B Sulfate, Alk Trip Blank																			
Time Zone Collected: [] AK [] PT [] MT [X] 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: Reportable [] Yes [] No Rush (Pre-approval required): [] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other _____ Date Results Requested: <u>Standard turn</u> Field Filtered (if applicable): [X] Yes [] No Analysis: <u>metals</u>																			
* 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), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)																							
Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date Time	Collected or Composite End Date Time	# Cont.	Res. Chlorine Results Units	353.2 Nitrogen, NO2/NO3 pres.	8260 BTEX	6270 E-MSEW PAH 8270 SIM	Al-Sb-As-Ba-Cr-Cu-Mn-Ni-Ng-Pb-Sr-Ti-V-Zn	Fe Mn-HS 6020 A	Methane 8015B	Sulfate, Alk	Trip Blank	Lab Use Only	Proj. Mgr: Brian Basten	AcctNum / Client ID:	Table #:	Profile / Template: 4345	Prelog / Bottle Ord. ID: EZ 3160648	Sample Comment	Preservation non-conformance identified for sample.	
100824001	GW	G		10-8-24 1108	11		X	X	X	X	X	X									001		
100824002					33		X	X	X	X	X	X									002 MSMSD		
100824003					11		X	X	X	X	X	X									003		
100824004					11		X	X	X	X	X	X									004		
100824005					11		X	X	X	X	X	X									005		
100824006					11		X	X	X	X	X	X									006		
100824007					11		X	X	X	X	X	X									007		
100824008					11		X	X	X	X	X	X									008		
100824009					11		X	X	X	X	X	X									009		
100824010					11		X	X	X	X	X	X									010		
Additional Instructions from Pace®: For metals 6020 A: Aluminum, Antimony, Copper, Iron, Manganese, Nickel, Silver, Vanadium, Zinc ALL DISSOLVED						Collected By: (Printed Name) <u>Emily Ruder</u> Signature: <u>[Signature]</u>						Customer Remarks / Special Conditions / Possible Hazards: <u>10/9/24</u>											
Relinquished by/Company: (Signature) <u>Hailey Walters/Ramboll #1234</u>		Date/Time: <u>10-9-24 07:40</u>		Received by/Company: (Signature) <u>Lusana Nylke Pace</u>		Date/Time: <u>10/09/24 0740</u>		Thermometer ID: <u>129</u>		Correction Factor (°C): <u>0.0</u>		Obs. Temp. (°C): <u>40.40</u>		Corrected Temp. (°C): <u>40.40</u>		On/Off: <u>Y</u>		Tracking Number: 		Delivered by: [] In-Person [] Courier [] FedEx [] UPS [] Other		Page: 1 of 2	

QAC: ERR 10.9.24

ENV-FRM-CORQ-0019 v02 110123 ©

Effective Date: 8/16/2022

Client Name: OBG

Sample Preservation Receipt Form

Project # 40285415

All containers needing preservation have been checked and noted below:

☒ Yes ☐ No ☐ N/ALab Lot# of pH paper: 10D3733

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

Initial when completed: Scie Date/Time:

Pace Lab #	Glass						Plastic						Vials				Jars				General				VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)		
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T								ZPLC	GN 1
001			10/24/24		2				1		1	1					6											X			X		2.5 / 5
002					6				3		3	3					18											X			X		2.5 / 5
003					2				1		1	1					6											X			X		2.5 / 5
004					2				1		1	1					6											X			X		2.5 / 5
005					2				1		1	1					6											X			X		2.5 / 5
006					2				1		1	1					6											X			X		2.5 / 5
007					2				1		1	1					6											X			X		2.5 / 5
008					2				1		1	1					6											X			X		2.5 / 5
009					2				1		1	1					6											X			X		2.5 / 5
010					2				1		1	1					6											X			X		2.5 / 5
011					2				1		1	1					6											X			X		2.5 / 5
012					2				1		1	1					6											X			X		2.5 / 5
013					2				1		1	1					6											X			X		2.5 / 5
014					2				1		1	1					6											X			X		2.5 / 5
015					2				1		1	1					6											X			X		2.5 / 5
016																	2																2.5 / 5
017																																	2.5 / 5
018																																	2.5 / 5
019																																	2.5 / 5
020																																	2.5 / 5

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other:Headspace in VOA Vials (>6mm): ☐ Yes ☒ No ☐ N/A

*If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H ₂ SO ₄	BP3N	250 mL plastic HNO ₃	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H ₂ SO ₄	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H ₂ SO ₄	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

Page 1 of 3

Sample Condition Upon Receipt Form (SCUR)

Client Name:

O'Brien & Gere

Project #:

WO#: 40285415

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Walco

☒ Client

☐ Pace

Other: _____



40285415

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-122 Type of Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None ☐ Meltwater Only

Cooler Temperature Uncorr: 4.0, 4.0 Corr: 4.0, 4.0

Temp Blank Present: ☐ yes ☒ no

Biological Tissue is Frozen: ☐ yes ☐ no

Person examining contents:

Date: 10/09/24

/Initials: SKW

Temp should be above freezing to 6°C.

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

Labeled By Initials: mtt

Chain of Custody Present: ☒ Yes ☐ No ☐ N/A

1.

Chain of Custody Filled Out: ☒ Yes ☐ No ☐ N/A

2.

Chain of Custody Relinquished: ☒ Yes ☐ No ☐ N/A

3.

Sampler Name & Signature on COC: ☒ Yes ☐ No ☐ N/A

4.

Samples Arrived within Hold Time: ☒ Yes ☐ No

5.

- DI VOA Samples frozen upon receipt ☐ Yes ☐ No

Date/Time:

Short Hold Time Analysis (<72hr): ☐ Yes ☒ No

6.

Rush Turn Around Time Requested: ☐ Yes ☒ No

7.

Sufficient Volume:

8.

For Analysis: ☒ Yes ☐ No MS/MSD: ☒ Yes ☐ No ☐ N/A

Correct Containers Used: ☒ Yes ☐ No

9.

Correct Type: Pace Green Bay, Pace IR, Non-Pace

Containers Intact: ☒ Yes ☐ No

10.

Filtered volume received for Dissolved tests ☒ Yes ☐ No ☐ N/A

11.

Sample Labels match COC: ☒ Yes ☐ No ☐ N/A

12.

-Includes date/time/ID/Analysis Matrix: W

Trip Blank Present: ☒ Yes ☐ No ☐ N/A

13.

Trip Blank Custody Seals Present ☒ Yes ☐ No ☐ N/A

Pace Trip Blank Lot # (if purchased): 534

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 log in

Page 2 of 2



October 25, 2024

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

RE: Project: Marinette Former MGP
Pace Project No.: 40285482

Dear Emily Ruder:

Enclosed are the analytical results for sample(s) received by the laboratory on October 09, 2024. 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,

A handwritten signature in black ink, appearing to read "Brian Basten".

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: Marinette Former MGP

Pace Project No.: 40285482

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

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SAMPLE SUMMARY

Project: Marinette Former MGP

Pace Project No.: 40285482

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40285482001	100924017	Water	10/09/24 09:26	10/09/24 16:30
40285482002	100924018	Water	10/09/24 09:58	10/09/24 16:30
40285482003	100924019	Water	10/09/24 10:33	10/09/24 16:30
40285482004	100924020	Water	10/09/24 11:09	10/09/24 16:30
40285482005	100924021	Water	10/09/24 12:10	10/09/24 16:30
40285482006	100924022	Water	10/09/24 13:00	10/09/24 16:30
40285482007	100924023	Water	10/09/24 13:25	10/09/24 16:30
40285482008	100924024	Water	10/09/24 13:30	10/09/24 16:30
40285482009	100924025	Water	10/09/24 14:00	10/09/24 16:30
40285482010	100924026	Water	10/09/24 14:05	10/09/24 16:30
40285482011	100924027	Water	10/09/24 14:25	10/09/24 16:30
40285482012	100924028	Water	10/09/24 14:45	10/09/24 16:30
40285482013	100924029	Water	10/09/24 00:00	10/09/24 16:30

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SAMPLE ANALYTE COUNT

Project: Marinette Former MGP

Pace Project No.: 40285482

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40285482001	100924017	EPA 8015B Modified	EMG	1	PASI-G
		EPA 6020B	KXS	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	CXJ	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
		EPA 353.2	MT	1	PASI-G
40285482002	100924018	EPA 8015B Modified	EMG	1	PASI-G
		EPA 6020B	KXS	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	CXJ	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
		EPA 353.2	MT	1	PASI-G
40285482003	100924019	EPA 8015B Modified	EMG	1	PASI-G
		EPA 6020B	KXS	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	CXJ	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
		EPA 353.2	MT	1	PASI-G
40285482004	100924020	EPA 8015B Modified	EMG	1	PASI-G
		EPA 6020B	KXS	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	CXJ	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
		EPA 353.2	MT	1	PASI-G
40285482005	100924021	EPA 8270E by SIM	TPO	6	PASI-G
		EPA 8260	CXJ	5	PASI-G
40285482006	100924022	EPA 8270E by SIM	TPO	6	PASI-G
		EPA 8260	CXJ	5	PASI-G
40285482007	100924023	EPA 8270E by SIM	TPO	6	PASI-G
		EPA 8260	CXJ	5	PASI-G
40285482008	100924024	EPA 8270E by SIM	TPO	6	PASI-G
		EPA 8260	CXJ	5	PASI-G
40285482009	100924025	EPA 8270E by SIM	TPO	6	PASI-G

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Marinette Former MGP

Pace Project No.: 40285482

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40285482010	100924026	EPA 8260	CXJ	5	PASI-G
		EPA 8270E by SIM	TPO	6	PASI-G
40285482011	100924027	EPA 8260	CXJ	5	PASI-G
		EPA 8270E by SIM	TPO	6	PASI-G
40285482012	100924028	EPA 8260	CXJ	5	PASI-G
		EPA 8015B Modified	EMG	1	PASI-G
		EPA 6020B	KXS	9	PASI-G
		EPA 8270E by SIM	TPO	20	PASI-G
		EPA 8260	CXJ	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
40285482013	100924029	EPA 353.2	MT	1	PASI-G
		EPA 8260	CXJ	9	PASI-G

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Marinette Former MGP

Pace Project No.: 40285482

Method: EPA 8015B Modified

Description: Methane, Ethane, Ethene GCV

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

Date: October 25, 2024

General Information:

5 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: 487042

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40285482004

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

- MS (Lab ID: 2789636)
- Methane

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Marinette Former MGP

Pace Project No.: 40285482

Method: EPA 6020B

Description: 6020B MET ICPMS, Dissolved

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

Date: October 25, 2024

General Information:

5 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: 486917

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

- 100924017 (Lab ID: 40285482001)

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

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Marinette Former MGP

Pace Project No.: 40285482

Method: EPA 6020B

Description: 6020B MET ICPMS, Dissolved

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

Date: October 25, 2024

Analyte Comments:

QC Batch: 486917

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

- 100924018 (Lab ID: 40285482002)

- Silver, Dissolved
- Aluminum, Dissolved
- Copper, Dissolved
- Antimony, Dissolved
- Vanadium, Dissolved
- Zinc, Dissolved

- 100924019 (Lab ID: 40285482003)

- Silver, Dissolved
- Aluminum, Dissolved
- Copper, Dissolved
- Nickel, Dissolved
- Antimony, Dissolved
- Zinc, Dissolved

- 100924020 (Lab ID: 40285482004)

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

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Marinette Former MGP

Pace Project No.: 40285482

Method: EPA 8270E by SIM

Description: 8270E MSSV PAH

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

Date: October 25, 2024

General Information:

12 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: 487130

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

- 100924022 (Lab ID: 40285482006)
- 2-Fluorobiphenyl (S)

QC Batch: 487213

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

- 100924023 (Lab ID: 40285482007)
- 2-Fluorobiphenyl (S)
- 100924024 (Lab ID: 40285482008)
- 2-Fluorobiphenyl (S)

Method Blank:

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

Laboratory Control Spike:

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

QC Batch: 487213

R1: RPD value was outside control limits.

- LCSD (Lab ID: 2790169)
- Naphthalene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Marinette Former MGP

Pace Project No.: 40285482

Method: EPA 8270E by SIM

Description: 8270E MSSV PAH

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

Date: October 25, 2024

Matrix Spikes:

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

QC Batch: 487213

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Marinette Former MGP
Pace Project No.: 40285482

Method: EPA 8260
Description: 8260 MSV UST
Client: O'Brien & Gere Engineers, Inc Integrlys WI
Date: October 25, 2024

General Information:

13 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.

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:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Marinette Former MGP

Pace Project No.: 40285482

Method: EPA 300.0

Description: 300.0 IC Anions

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

Date: October 25, 2024

General Information:

5 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.

QC Batch: 488049

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40285473001,40285482004

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

- MS (Lab ID: 2795016)
- Sulfate

Additional Comments:

Analyte Comments:

QC Batch: 488049

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

- 100924019 (Lab ID: 40285482003)
 - Sulfate
- 100924020 (Lab ID: 40285482004)
 - Sulfate

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PROJECT NARRATIVE

Project: Marinette Former MGP
Pace Project No.: 40285482

Method: EPA 310.2
Description: 310.2 Alkalinity
Client: O'Brien & Gere Engineers, Inc Integrlys WI
Date: October 25, 2024

General Information:

5 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:

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PROJECT NARRATIVE

Project: Marinette Former MGP
Pace Project No.: 40285482

Method: EPA 353.2
Description: 353.2 Nitrogen, NO₂/NO₃ pres.
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: October 25, 2024

General Information:

5 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.

QC Batch: 487716

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40285421001,40285482004

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

- MS (Lab ID: 2793447)
 - Nitrogen, NO₂ plus NO₃
- MSD (Lab ID: 2793448)
 - Nitrogen, NO₂ plus NO₃

Additional Comments:

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

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ANALYTICAL RESULTS

Project: Marinette Former MGP
Pace Project No.: 40285482

Sample: 100924017 Lab ID: 40285482001 Collected: 10/09/24 09:26 Received: 10/09/24 16:30 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		10/14/24 09:43	74-82-8	
6020B MET ICPMS, Dissolved Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Aluminum, Dissolved	137J	ug/L	500	117	2	10/11/24 06:55	10/18/24 02:01	7429-90-5	D3
Antimony, Dissolved	0.38J	ug/L	2.0	0.30	2	10/11/24 06:55	10/18/24 02:01	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/11/24 06:55	10/18/24 02:01	7440-50-8	D3
Iron, Dissolved	269J	ug/L	500	116	2	10/11/24 06:55	10/18/24 02:01	7439-89-6	D3
Manganese, Dissolved	14.8	ug/L	8.1	2.4	2	10/11/24 06:55	10/18/24 02:01	7439-96-5	
Nickel, Dissolved	0.99J	ug/L	2.0	0.57	2	10/11/24 06:55	10/18/24 02:01	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/11/24 06:55	10/18/24 02:01	7440-22-4	D3
Vanadium, Dissolved	1.0J	ug/L	2.1	0.63	2	10/11/24 06:55	10/18/24 02:01	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/11/24 06:55	10/18/24 02:01	7440-66-6	D3
8270E MSSV PAH Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	0.066	ug/L	0.052	0.014	1	10/14/24 14:50	10/17/24 13:47	83-32-9	
Acenaphthylene	0.41	ug/L	0.052	0.013	1	10/14/24 14:50	10/17/24 13:47	208-96-8	
Anthracene	0.36	ug/L	0.052	0.019	1	10/14/24 14:50	10/17/24 13:47	120-12-7	
Benzo(a)anthracene	0.89	ug/L	0.052	0.014	1	10/14/24 14:50	10/17/24 13:47	56-55-3	
Benzo(a)pyrene	0.86	ug/L	0.052	0.013	1	10/14/24 14:50	10/17/24 13:47	50-32-8	
Benzo(b)fluoranthene	0.89	ug/L	0.052	0.0094	1	10/14/24 14:50	10/17/24 13:47	205-99-2	
Benzo(g,h,i)perylene	0.51	ug/L	0.052	0.024	1	10/14/24 14:50	10/17/24 13:47	191-24-2	
Benzo(k)fluoranthene	0.41	ug/L	0.052	0.023	1	10/14/24 14:50	10/17/24 13:47	207-08-9	
Chrysene	0.63	ug/L	0.052	0.013	1	10/14/24 14:50	10/17/24 13:47	218-01-9	
Dibenz(a,h)anthracene	0.11	ug/L	0.052	0.018	1	10/14/24 14:50	10/17/24 13:47	53-70-3	
Fluoranthene	2.5	ug/L	0.052	0.027	1	10/14/24 14:50	10/17/24 13:47	206-44-0	
Fluorene	0.21	ug/L	0.052	0.024	1	10/14/24 14:50	10/17/24 13:47	86-73-7	
Indeno(1,2,3-cd)pyrene	0.46	ug/L	0.052	0.016	1	10/14/24 14:50	10/17/24 13:47	193-39-5	
1-Methylnaphthalene	0.023J	ug/L	0.052	0.018	1	10/14/24 14:50	10/17/24 13:47	90-12-0	
2-Methylnaphthalene	<0.014	ug/L	0.052	0.014	1	10/14/24 14:50	10/17/24 13:47	91-57-6	
Naphthalene	0.043J	ug/L	0.052	0.021	1	10/14/24 14:50	10/17/24 13:47	91-20-3	
Phenanthrene	1.8	ug/L	0.052	0.026	1	10/14/24 14:50	10/17/24 13:47	85-01-8	
Pyrene	1.8	ug/L	0.052	0.023	1	10/14/24 14:50	10/17/24 13:47	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	83	%	33-123		1	10/14/24 14:50	10/17/24 13:47	321-60-8	
Terphenyl-d14 (S)	90	%	36-134		1	10/14/24 14:50	10/17/24 13:47	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		10/11/24 19:41	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/24 19:41	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/11/24 19:41	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/11/24 19:41	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/11/24 19:41	179601-23-1	

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ANALYTICAL RESULTS

Project: Marinette Former MGP
Pace Project No.: 40285482

Sample: 100924017		Lab ID: 40285482001		Collected: 10/09/24 09:26		Received: 10/09/24 16:30		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		10/11/24 19:41	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/11/24 19:41	2199-69-1	
4-Bromofluorobenzene (S)	92	%	70-130		1		10/11/24 19:41	460-00-4	
Toluene-d8 (S)	94	%	70-130		1		10/11/24 19:41	2037-26-5	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	855	mg/L	100	22.2	50		10/25/24 10:19	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		10/15/24 11:55		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.19J	mg/L	0.25	0.059	1		10/21/24 10:29		
Sample: 100924018		Lab ID: 40285482002		Collected: 10/09/24 09:58		Received: 10/09/24 16:30		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	285	ug/L	5.6	1.2	2		10/14/24 12:47	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	10/11/24 06:55	10/18/24 02:09	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/11/24 06:55	10/18/24 02:09	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/11/24 06:55	10/18/24 02:09	7440-50-8	D3
Iron, Dissolved	3780	ug/L	500	116	2	10/11/24 06:55	10/18/24 02:09	7439-89-6	
Manganese, Dissolved	504	ug/L	8.1	2.4	2	10/11/24 06:55	10/18/24 02:09	7439-96-5	
Nickel, Dissolved	3.8	ug/L	2.0	0.57	2	10/11/24 06:55	10/18/24 02:09	7440-02-0	
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/11/24 06:55	10/18/24 02:09	7440-22-4	D3
Vanadium, Dissolved	1.1J	ug/L	2.1	0.63	2	10/11/24 06:55	10/18/24 02:09	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/11/24 06:55	10/18/24 02:09	7440-66-6	D3
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	<0.015	ug/L	0.055	0.015	1	10/14/24 14:50	10/17/24 15:34	83-32-9	
Acenaphthylene	0.15	ug/L	0.055	0.014	1	10/14/24 14:50	10/17/24 15:34	208-96-8	
Anthracene	0.23	ug/L	0.055	0.021	1	10/14/24 14:50	10/17/24 15:34	120-12-7	

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ANALYTICAL RESULTS

Project: Marinette Former MGP
Pace Project No.: 40285482

Sample: 100924018 Lab ID: 40285482002 Collected: 10/09/24 09:58 Received: 10/09/24 16:30 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	0.27	ug/L	0.055	0.015	1	10/14/24 14:50	10/17/24 15:34	56-55-3	
Benzo(a)pyrene	0.53	ug/L	0.055	0.014	1	10/14/24 14:50	10/17/24 15:34	50-32-8	
Benzo(b)fluoranthene	0.81	ug/L	0.055	0.010	1	10/14/24 14:50	10/17/24 15:34	205-99-2	
Benzo(g,h,i)perylene	0.60	ug/L	0.055	0.026	1	10/14/24 14:50	10/17/24 15:34	191-24-2	
Benzo(k)fluoranthene	0.33	ug/L	0.055	0.025	1	10/14/24 14:50	10/17/24 15:34	207-08-9	
Chrysene	0.48	ug/L	0.055	0.014	1	10/14/24 14:50	10/17/24 15:34	218-01-9	
Dibenz(a,h)anthracene	0.096	ug/L	0.055	0.020	1	10/14/24 14:50	10/17/24 15:34	53-70-3	
Fluoranthene	0.61	ug/L	0.055	0.029	1	10/14/24 14:50	10/17/24 15:34	206-44-0	
Fluorene	<0.026	ug/L	0.055	0.026	1	10/14/24 14:50	10/17/24 15:34	86-73-7	
Indeno(1,2,3-cd)pyrene	0.43	ug/L	0.055	0.017	1	10/14/24 14:50	10/17/24 15:34	193-39-5	
1-Methylnaphthalene	0.022J	ug/L	0.055	0.020	1	10/14/24 14:50	10/17/24 15:34	90-12-0	
2-Methylnaphthalene	0.018J	ug/L	0.055	0.015	1	10/14/24 14:50	10/17/24 15:34	91-57-6	
Naphthalene	0.067	ug/L	0.055	0.022	1	10/14/24 14:50	10/17/24 15:34	91-20-3	
Phenanthrene	0.13	ug/L	0.055	0.028	1	10/14/24 14:50	10/17/24 15:34	85-01-8	
Pyrene	0.51	ug/L	0.055	0.025	1	10/14/24 14:50	10/17/24 15:34	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	78	%	33-123		1	10/14/24 14:50	10/17/24 15:34	321-60-8	
Terphenyl-d14 (S)	89	%	36-134		1	10/14/24 14:50	10/17/24 15:34	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		10/11/24 19:59	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/24 19:59	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/11/24 19:59	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/11/24 19:59	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/11/24 19:59	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/11/24 19:59	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		10/11/24 19:59	2199-69-1	
4-Bromofluorobenzene (S)	97	%	70-130		1		10/11/24 19:59	460-00-4	
Toluene-d8 (S)	94	%	70-130		1		10/11/24 19:59	2037-26-5	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	28.6	mg/L	10.0	2.2	5		10/24/24 20:47	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	429	mg/L	25.0	7.4	1		10/15/24 11:56		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.15J	mg/L	0.25	0.059	1		10/21/24 10:30		

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ANALYTICAL RESULTS

Project: Marinette Former MGP
Pace Project No.: 40285482

Sample: 100924019 Lab ID: 40285482003 Collected: 10/09/24 10:33 Received: 10/09/24 16:30 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	10100	ug/L	280	57.6	100		10/14/24 12:54	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	10/11/24 06:55	10/18/24 02:13	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/11/24 06:55	10/18/24 02:13	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/11/24 06:55	10/18/24 02:13	7440-50-8	D3
Iron, Dissolved	8410	ug/L	500	116	2	10/11/24 06:55	10/18/24 02:13	7439-89-6	
Manganese, Dissolved	629	ug/L	8.1	2.4	2	10/11/24 06:55	10/18/24 02:13	7439-96-5	
Nickel, Dissolved	0.723	ug/L	2.0	0.57	2	10/11/24 06:55	10/18/24 02:13	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/11/24 06:55	10/18/24 02:13	7440-22-4	D3
Vanadium, Dissolved	3.0	ug/L	2.1	0.63	2	10/11/24 06:55	10/18/24 02:13	7440-62-2	
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/11/24 06:55	10/18/24 02:13	7440-66-6	D3
8270E MSSV PAH Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	0.35	ug/L	0.056	0.016	1	10/14/24 14:50	10/17/24 15:51	83-32-9	
Acenaphthylene	<0.014	ug/L	0.056	0.014	1	10/14/24 14:50	10/17/24 15:51	208-96-8	
Anthracene	<0.021	ug/L	0.056	0.021	1	10/14/24 14:50	10/17/24 15:51	120-12-7	
Benzo(a)anthracene	<0.015	ug/L	0.056	0.015	1	10/14/24 14:50	10/17/24 15:51	56-55-3	
Benzo(a)pyrene	<0.014	ug/L	0.056	0.014	1	10/14/24 14:50	10/17/24 15:51	50-32-8	
Benzo(b)fluoranthene	<0.010	ug/L	0.056	0.010	1	10/14/24 14:50	10/17/24 15:51	205-99-2	
Benzo(g,h,i)perylene	<0.026	ug/L	0.056	0.026	1	10/14/24 14:50	10/17/24 15:51	191-24-2	
Benzo(k)fluoranthene	<0.025	ug/L	0.056	0.025	1	10/14/24 14:50	10/17/24 15:51	207-08-9	
Chrysene	<0.014	ug/L	0.056	0.014	1	10/14/24 14:50	10/17/24 15:51	218-01-9	
Dibenz(a,h)anthracene	<0.020	ug/L	0.056	0.020	1	10/14/24 14:50	10/17/24 15:51	53-70-3	
Fluoranthene	<0.029	ug/L	0.056	0.029	1	10/14/24 14:50	10/17/24 15:51	206-44-0	
Fluorene	<0.026	ug/L	0.056	0.026	1	10/14/24 14:50	10/17/24 15:51	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.056	0.017	1	10/14/24 14:50	10/17/24 15:51	193-39-5	
1-Methylnaphthalene	0.25	ug/L	0.056	0.020	1	10/14/24 14:50	10/17/24 15:51	90-12-0	
2-Methylnaphthalene	0.059	ug/L	0.056	0.015	1	10/14/24 14:50	10/17/24 15:51	91-57-6	
Naphthalene	1.1	ug/L	0.056	0.022	1	10/14/24 14:50	10/17/24 15:51	91-20-3	
Phenanthrene	<0.029	ug/L	0.056	0.029	1	10/14/24 14:50	10/17/24 15:51	85-01-8	
Pyrene	<0.025	ug/L	0.056	0.025	1	10/14/24 14:50	10/17/24 15:51	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	68	%	33-123		1	10/14/24 14:50	10/17/24 15:51	321-60-8	
Terphenyl-d14 (S)	82	%	36-134		1	10/14/24 14:50	10/17/24 15:51	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		10/11/24 20:17	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/24 20:17	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/11/24 20:17	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/11/24 20:17	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/11/24 20:17	179601-23-1	

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ANALYTICAL RESULTS

Project: Marinette Former MGP
Pace Project No.: 40285482

Sample: 100924019		Lab ID: 40285482003		Collected: 10/09/24 10:33		Received: 10/09/24 16:30		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		10/11/24 20:17	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		10/11/24 20:17	2199-69-1	
4-Bromofluorobenzene (S)	91	%	70-130		1		10/11/24 20:17	460-00-4	
Toluene-d8 (S)	96	%	70-130		1		10/11/24 20:17	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay							
Sulfate	2.4J	mg/L	10.0	2.2	5		10/24/24 20:58	14808-79-8	D3
310.2 Alkalinity		Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay							
Alkalinity, Total as CaCO3	311	mg/L	25.0	7.4	1		10/15/24 11:58		
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		10/21/24 10:30		

Sample: 100924020		Lab ID: 40285482004		Collected: 10/09/24 11:09		Received: 10/09/24 16:30		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	7600	ug/L	280	57.6	100		10/14/24 13:41	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	10/11/24 06:55	10/18/24 01:44	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/11/24 06:55	10/18/24 01:44	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/11/24 06:55	10/18/24 01:44	7440-50-8	D3
Iron, Dissolved	30200	ug/L	500	116	2	10/11/24 06:55	10/18/24 01:44	7439-89-6	
Manganese, Dissolved	767	ug/L	8.1	2.4	2	10/11/24 06:55	10/18/24 01:44	7439-96-5	
Nickel, Dissolved	<0.57	ug/L	2.0	0.57	2	10/11/24 06:55	10/18/24 01:44	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/11/24 06:55	10/18/24 01:44	7440-22-4	D3
Vanadium, Dissolved	<0.63	ug/L	2.1	0.63	2	10/11/24 06:55	10/18/24 01:44	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/11/24 06:55	10/18/24 01:44	7440-66-6	D3
8270E MSSV PAH		Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay							
Acenaphthene	3.8	ug/L	0.057	0.016	1	10/14/24 14:50	10/16/24 16:28	83-32-9	
Acenaphthylene	0.081	ug/L	0.057	0.014	1	10/14/24 14:50	10/16/24 16:28	208-96-8	
Anthracene	0.085	ug/L	0.057	0.021	1	10/14/24 14:50	10/16/24 16:28	120-12-7	

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ANALYTICAL RESULTS

Project: Marinette Former MGP

Pace Project No.: 40285482

Sample: 100924020 Lab ID: 40285482004 Collected: 10/09/24 11:09 Received: 10/09/24 16:30 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	0.048J	ug/L	0.057	0.015	1	10/14/24 14:50	10/16/24 16:28	56-55-3	
Benzo(a)pyrene	0.034J	ug/L	0.057	0.014	1	10/14/24 14:50	10/16/24 16:28	50-32-8	
Benzo(b)fluoranthene	0.048J	ug/L	0.057	0.010	1	10/14/24 14:50	10/16/24 16:28	205-99-2	
Benzo(g,h,i)perylene	0.030J	ug/L	0.057	0.026	1	10/14/24 14:50	10/16/24 16:28	191-24-2	
Benzo(k)fluoranthene	<0.025	ug/L	0.057	0.025	1	10/14/24 14:50	10/16/24 16:28	207-08-9	
Chrysene	0.065	ug/L	0.057	0.014	1	10/14/24 14:50	10/16/24 16:28	218-01-9	
Dibenz(a,h)anthracene	<0.020	ug/L	0.057	0.020	1	10/14/24 14:50	10/16/24 16:28	53-70-3	
Fluoranthene	0.38	ug/L	0.057	0.030	1	10/14/24 14:50	10/16/24 16:28	206-44-0	
Fluorene	0.61	ug/L	0.057	0.027	1	10/14/24 14:50	10/16/24 16:28	86-73-7	
Indeno(1,2,3-cd)pyrene	0.021J	ug/L	0.057	0.018	1	10/14/24 14:50	10/16/24 16:28	193-39-5	
1-Methylnaphthalene	1.0	ug/L	0.057	0.020	1	10/14/24 14:50	10/16/24 16:28	90-12-0	
2-Methylnaphthalene	0.023J	ug/L	0.057	0.016	1	10/14/24 14:50	10/16/24 16:28	91-57-6	
Naphthalene	0.10	ug/L	0.057	0.023	1	10/14/24 14:50	10/16/24 16:28	91-20-3	
Phenanthrene	0.20	ug/L	0.057	0.029	1	10/14/24 14:50	10/16/24 16:28	85-01-8	
Pyrene	0.32	ug/L	0.057	0.026	1	10/14/24 14:50	10/16/24 16:28	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	79	%	33-123		1	10/14/24 14:50	10/16/24 16:28	321-60-8	
Terphenyl-d14 (S)	88	%	36-134		1	10/14/24 14:50	10/16/24 16:28	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		10/11/24 17:36	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/24 17:36	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/11/24 17:36	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/11/24 17:36	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/11/24 17:36	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/11/24 17:36	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	109	%	70-130		1		10/11/24 17:36	2199-69-1	
4-Bromofluorobenzene (S)	93	%	70-130		1		10/11/24 17:36	460-00-4	
Toluene-d8 (S)	92	%	70-130		1		10/11/24 17:36	2037-26-5	
300.0 IC Anions Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	<2.2	mg/L	10.0	2.2	5		10/24/24 21:09	14808-79-8	D3
310.2 Alkalinity Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	382	mg/L	25.0	7.4	1		10/15/24 11:59		
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		10/21/24 10:31		M0

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ANALYTICAL RESULTS

Project: Marinette Former MGP
Pace Project No.: 40285482

Sample: 100924021 Lab ID: 40285482005 Collected: 10/09/24 12:10 Received: 10/09/24 16:30 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	23.2	ug/L	16.4	4.2	300	10/14/24 14:50	10/16/24 21:39	50-32-8	
Benzo(b)fluoranthene	24.3	ug/L	16.4	3.0	300	10/14/24 14:50	10/16/24 21:39	205-99-2	
Chrysene	22.8	ug/L	16.4	4.1	300	10/14/24 14:50	10/16/24 21:39	218-01-9	
Naphthalene	2850	ug/L	16.4	6.5	300	10/14/24 14:50	10/16/24 21:39	91-20-3	
Surrogates									
2-Fluorobiphenyl (S)	102	%	33-123		300	10/14/24 14:50	10/16/24 21:39	321-60-8	
Terphenyl-d14 (S)	65	%	36-134		300	10/14/24 14:50	10/16/24 21:39	1718-51-0	

8260 MSV UST Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	4830	ug/L	50.0	14.8	50		10/11/24 22:41	71-43-2	
Ethylbenzene	270	ug/L	50.0	16.3	50		10/11/24 22:41	100-41-4	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		50		10/11/24 22:41	2199-69-1	
4-Bromofluorobenzene (S)	92	%	70-130		50		10/11/24 22:41	460-00-4	
Toluene-d8 (S)	93	%	70-130		50		10/11/24 22:41	2037-26-5	

Sample: 100924022 Lab ID: 40285482006 Collected: 10/09/24 13:00 Received: 10/09/24 16:30 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	53.9	ug/L	27.8	7.1	500	10/14/24 14:50	10/16/24 21:57	50-32-8	
Benzo(b)fluoranthene	57.9	ug/L	27.8	5.1	500	10/14/24 14:50	10/16/24 21:57	205-99-2	
Chrysene	57.6	ug/L	27.8	7.0	500	10/14/24 14:50	10/16/24 21:57	218-01-9	
Naphthalene	6860	ug/L	27.8	11.1	500	10/14/24 14:50	10/16/24 21:57	91-20-3	
Surrogates									
2-Fluorobiphenyl (S)	147	%	33-123		500	10/14/24 14:50	10/16/24 21:57	321-60-8	S4
Terphenyl-d14 (S)	74	%	36-134		500	10/14/24 14:50	10/16/24 21:57	1718-51-0	

8260 MSV UST Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	5870	ug/L	50.0	14.8	50		10/11/24 21:47	71-43-2	
Ethylbenzene	236	ug/L	50.0	16.3	50		10/11/24 21:47	100-41-4	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		50		10/11/24 21:47	2199-69-1	
4-Bromofluorobenzene (S)	91	%	70-130		50		10/11/24 21:47	460-00-4	
Toluene-d8 (S)	94	%	70-130		50		10/11/24 21:47	2037-26-5	

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ANALYTICAL RESULTS

Project: Marinette Former MGP
Pace Project No.: 40285482

Sample: 100924023 Lab ID: 40285482007 Collected: 10/09/24 13:25 Received: 10/09/24 16:30 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	10/15/24 09:20	10/16/24 22:15	50-32-8	
Benzo(b)fluoranthene	<4.8	ug/L	26.5	4.8	500	10/15/24 09:20	10/16/24 22:15	205-99-2	
Chrysene	<6.7	ug/L	26.5	6.7	500	10/15/24 09:20	10/16/24 22:15	218-01-9	
Naphthalene	7740	ug/L	26.5	10.5	500	10/15/24 09:20	10/16/24 22:15	91-20-3	
Surrogates									
2-Fluorobiphenyl (S)	186	%	33-123		500	10/15/24 09:20	10/16/24 22:15	321-60-8	S4
Terphenyl-d14 (S)	91	%	36-134		500	10/15/24 09:20	10/16/24 22:15	1718-51-0	

8260 MSV UST Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	1720	ug/L	50.0	14.8	50		10/11/24 22:05	71-43-2	
Ethylbenzene	2100	ug/L	50.0	16.3	50		10/11/24 22:05	100-41-4	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		50		10/11/24 22:05	2199-69-1	
4-Bromofluorobenzene (S)	92	%	70-130		50		10/11/24 22:05	460-00-4	
Toluene-d8 (S)	94	%	70-130		50		10/11/24 22:05	2037-26-5	

Sample: 100924024 Lab ID: 40285482008 Collected: 10/09/24 13:30 Received: 10/09/24 16:30 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	10/15/24 09:20	10/16/24 22:33	50-32-8	
Benzo(b)fluoranthene	<4.8	ug/L	26.5	4.8	500	10/15/24 09:20	10/16/24 22:33	205-99-2	
Chrysene	<6.7	ug/L	26.5	6.7	500	10/15/24 09:20	10/16/24 22:33	218-01-9	
Naphthalene	7450	ug/L	26.5	10.5	500	10/15/24 09:20	10/16/24 22:33	91-20-3	
Surrogates									
2-Fluorobiphenyl (S)	188	%	33-123		500	10/15/24 09:20	10/16/24 22:33	321-60-8	S4
Terphenyl-d14 (S)	75	%	36-134		500	10/15/24 09:20	10/16/24 22:33	1718-51-0	

8260 MSV UST Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	1690	ug/L	50.0	14.8	50		10/11/24 22:23	71-43-2	
Ethylbenzene	2090	ug/L	50.0	16.3	50		10/11/24 22:23	100-41-4	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		50		10/11/24 22:23	2199-69-1	
4-Bromofluorobenzene (S)	93	%	70-130		50		10/11/24 22:23	460-00-4	
Toluene-d8 (S)	95	%	70-130		50		10/11/24 22:23	2037-26-5	

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ANALYTICAL RESULTS

Project: Marinette Former MGP
Pace Project No.: 40285482

Sample: 100924025 Lab ID: 40285482009 Collected: 10/09/24 14:00 Received: 10/09/24 16:30 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	<0.14	ug/L	0.55	0.14	10	10/15/24 09:20	10/16/24 22:52	50-32-8	
Benzo(b)fluoranthene	<0.099	ug/L	0.55	0.099	10	10/15/24 09:20	10/16/24 22:52	205-99-2	
Chrysene	0.24J	ug/L	0.55	0.14	10	10/15/24 09:20	10/16/24 22:52	218-01-9	
Naphthalene	120	ug/L	0.55	0.22	10	10/15/24 09:20	10/16/24 22:52	91-20-3	
Surrogates									
2-Fluorobiphenyl (S)	67	%	33-123		10	10/15/24 09:20	10/16/24 22:52	321-60-8	
Terphenyl-d14 (S)	70	%	36-134		10	10/15/24 09:20	10/16/24 22:52	1718-51-0	

8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	170	ug/L	1.0	0.30	1		10/11/24 20:35	71-43-2	
Ethylbenzene	12.6	ug/L	1.0	0.33	1		10/11/24 20:35	100-41-4	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/11/24 20:35	2199-69-1	
4-Bromofluorobenzene (S)	93	%	70-130		1		10/11/24 20:35	460-00-4	
Toluene-d8 (S)	92	%	70-130		1		10/11/24 20:35	2037-26-5	

Sample: 100924026 Lab ID: 40285482010 Collected: 10/09/24 14:05 Received: 10/09/24 16:30 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	0.14J	ug/L	0.54	0.14	10	10/15/24 09:20	10/16/24 23:10	50-32-8	
Benzo(b)fluoranthene	0.15J	ug/L	0.54	0.098	10	10/15/24 09:20	10/16/24 23:10	205-99-2	
Chrysene	0.34J	ug/L	0.54	0.14	10	10/15/24 09:20	10/16/24 23:10	218-01-9	
Naphthalene	117	ug/L	0.54	0.21	10	10/15/24 09:20	10/16/24 23:10	91-20-3	
Surrogates									
2-Fluorobiphenyl (S)	64	%	33-123		10	10/15/24 09:20	10/16/24 23:10	321-60-8	
Terphenyl-d14 (S)	65	%	36-134		10	10/15/24 09:20	10/16/24 23:10	1718-51-0	

8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	167	ug/L	1.0	0.30	1		10/11/24 20:53	71-43-2	
Ethylbenzene	11.8	ug/L	1.0	0.33	1		10/11/24 20:53	100-41-4	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/11/24 20:53	2199-69-1	
4-Bromofluorobenzene (S)	93	%	70-130		1		10/11/24 20:53	460-00-4	
Toluene-d8 (S)	94	%	70-130		1		10/11/24 20:53	2037-26-5	

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ANALYTICAL RESULTS

Project: Marinette Former MGP
Pace Project No.: 40285482

Sample: 100924027 Lab ID: 40285482011 Collected: 10/09/24 14:25 Received: 10/09/24 16:30 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	0.051J	ug/L	0.053	0.014	1	10/15/24 09:20	10/17/24 14:58	50-32-8	
Benzo(b)fluoranthene	0.097	ug/L	0.053	0.0097	1	10/15/24 09:20	10/17/24 14:58	205-99-2	
Chrysene	0.089	ug/L	0.053	0.013	1	10/15/24 09:20	10/17/24 14:58	218-01-9	
Naphthalene	2.9	ug/L	0.053	0.021	1	10/15/24 09:20	10/17/24 14:58	91-20-3	
Surrogates									
2-Fluorobiphenyl (S)	66	%	33-123		1	10/15/24 09:20	10/17/24 14:58	321-60-8	
Terphenyl-d14 (S)	65	%	36-134		1	10/15/24 09:20	10/17/24 14:58	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		10/11/24 21:29	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/24 21:29	100-41-4	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/11/24 21:29	2199-69-1	
4-Bromofluorobenzene (S)	97	%	70-130		1		10/11/24 21:29	460-00-4	
Toluene-d8 (S)	93	%	70-130		1		10/11/24 21:29	2037-26-5	

Sample: 100924028 Lab ID: 40285482012 Collected: 10/09/24 14:45 Received: 10/09/24 16:30 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		10/14/24 12:05	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	10/11/24 06:55	10/18/24 08:12	7429-90-5	
Antimony, Dissolved	<0.15	ug/L	1.0	0.15	1	10/11/24 06:55	10/18/24 08:12	7440-36-0	
Copper, Dissolved	<1.9	ug/L	6.4	1.9	1	10/11/24 06:55	10/18/24 08:12	7440-50-8	
Iron, Dissolved	<58.0	ug/L	250	58.0	1	10/11/24 06:55	10/18/24 08:12	7439-89-6	
Manganese, Dissolved	<1.2	ug/L	4.0	1.2	1	10/11/24 06:55	10/18/24 08:12	7439-96-5	
Nickel, Dissolved	<0.28	ug/L	1.0	0.28	1	10/11/24 06:55	10/18/24 08:12	7440-02-0	
Silver, Dissolved	<0.13	ug/L	0.50	0.13	1	10/11/24 06:55	10/18/24 08:12	7440-22-4	
Vanadium, Dissolved	<0.32	ug/L	1.0	0.32	1	10/11/24 06:55	10/18/24 08:12	7440-62-2	
Zinc, Dissolved	<10.3	ug/L	34.4	10.3	1	10/11/24 06:55	10/18/24 08:12	7440-66-6	

8270E MSSV PAH Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	<0.015	ug/L	0.053	0.015	1	10/15/24 09:20	10/17/24 15:15	83-32-9	
Acenaphthylene	<0.013	ug/L	0.053	0.013	1	10/15/24 09:20	10/17/24 15:15	208-96-8	
Anthracene	<0.019	ug/L	0.053	0.019	1	10/15/24 09:20	10/17/24 15:15	120-12-7	
Benzo(a)anthracene	<0.014	ug/L	0.053	0.014	1	10/15/24 09:20	10/17/24 15:15	56-55-3	

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ANALYTICAL RESULTS

Project: Marinette Former MGP
Pace Project No.: 40285482

Sample: 100924028 Lab ID: 40285482012 Collected: 10/09/24 14:45 Received: 10/09/24 16:30 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	<0.013	ug/L	0.053	0.013	1	10/15/24 09:20	10/17/24 15:15	50-32-8	
Benzo(b)fluoranthene	<0.0096	ug/L	0.053	0.0096	1	10/15/24 09:20	10/17/24 15:15	205-99-2	
Benzo(g,h,i)perylene	<0.025	ug/L	0.053	0.025	1	10/15/24 09:20	10/17/24 15:15	191-24-2	
Benzo(k)fluoranthene	<0.023	ug/L	0.053	0.023	1	10/15/24 09:20	10/17/24 15:15	207-08-9	
Chrysene	<0.013	ug/L	0.053	0.013	1	10/15/24 09:20	10/17/24 15:15	218-01-9	
Dibenz(a,h)anthracene	<0.019	ug/L	0.053	0.019	1	10/15/24 09:20	10/17/24 15:15	53-70-3	
Fluoranthene	<0.027	ug/L	0.053	0.027	1	10/15/24 09:20	10/17/24 15:15	206-44-0	
Fluorene	<0.025	ug/L	0.053	0.025	1	10/15/24 09:20	10/17/24 15:15	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.053	0.016	1	10/15/24 09:20	10/17/24 15:15	193-39-5	
1-Methylnaphthalene	<0.019	ug/L	0.053	0.019	1	10/15/24 09:20	10/17/24 15:15	90-12-0	
2-Methylnaphthalene	<0.015	ug/L	0.053	0.015	1	10/15/24 09:20	10/17/24 15:15	91-57-6	
Naphthalene	0.024J	ug/L	0.053	0.021	1	10/15/24 09:20	10/17/24 15:15	91-20-3	
Phenanthrene	<0.027	ug/L	0.053	0.027	1	10/15/24 09:20	10/17/24 15:15	85-01-8	
Pyrene	<0.024	ug/L	0.053	0.024	1	10/15/24 09:20	10/17/24 15:15	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	78	%	33-123		1	10/15/24 09:20	10/17/24 15:15	321-60-8	
Terphenyl-d14 (S)	78	%	36-134		1	10/15/24 09:20	10/17/24 15:15	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		10/11/24 21:11	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/24 21:11	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/11/24 21:11	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/11/24 21:11	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/11/24 21:11	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/11/24 21:11	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		10/11/24 21:11	2199-69-1	
4-Bromofluorobenzene (S)	98	%	70-130		1		10/11/24 21:11	460-00-4	
Toluene-d8 (S)	93	%	70-130		1		10/11/24 21:11	2037-26-5	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	0.58J	mg/L	2.0	0.44	1		10/24/24 21:41	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		10/15/24 12:07		
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		10/21/24 10:36		

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ANALYTICAL RESULTS

Project: Marinette Former MGP

Pace Project No.: 40285482

Sample: 100924029 Lab ID: 40285482013 Collected: 10/09/24 00:00 Received: 10/09/24 16:30 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		10/11/24 17:18	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/24 17:18	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/11/24 17:18	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/11/24 17:18	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/11/24 17:18	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/11/24 17:18	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		10/11/24 17:18	2199-69-1	
4-Bromofluorobenzene (S)	94	%	70-130		1		10/11/24 17:18	460-00-4	
Toluene-d8 (S)	93	%	70-130		1		10/11/24 17:18	2037-26-5	

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QUALITY CONTROL DATA

Project: Marinette Former MGP
Pace Project No.: 40285482

QC Batch:	487042	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: 40285482001, 40285482002, 40285482003, 40285482004, 40285482012

METHOD BLANK: 2789633 Matrix: Water
Associated Lab Samples: 40285482001, 40285482002, 40285482003, 40285482004, 40285482012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	<0.58	2.8	10/14/24 07:52	

LABORATORY CONTROL SAMPLE & LCSD: 2789634		2789635								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Methane	ug/L	28.6	32.7	31.8	115	111	73-121	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2789636					2789637							
Parameter	Units	40285482004	MS	MSD	MS	MSD	MS	MSD	% Rec	Max		
		Result	Spike	Spike								
Methane	ug/L	7600	2860	2860	7620	9570	1	69	10-184	23	33	M1

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QUALITY CONTROL DATA

Project: Marinette Former MGP
Pace Project No.: 40285482

QC Batch: 486917 Analysis Method: EPA 6020B
QC Batch Method: EPA 3010A Analysis Description: 6020B MET Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40285482001, 40285482002, 40285482003, 40285482004, 40285482012

METHOD BLANK: 2788567 Matrix: Water
Associated Lab Samples: 40285482001, 40285482002, 40285482003, 40285482004, 40285482012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	<58.7	250	10/18/24 01:36	
Antimony, Dissolved	ug/L	<0.15	1.0	10/18/24 01:36	
Copper, Dissolved	ug/L	<1.9	6.4	10/18/24 01:36	
Iron, Dissolved	ug/L	<58.0	250	10/18/24 01:36	
Manganese, Dissolved	ug/L	<1.2	4.0	10/18/24 01:36	
Nickel, Dissolved	ug/L	<0.28	1.0	10/18/24 01:36	
Silver, Dissolved	ug/L	<0.13	0.50	10/18/24 01:36	
Vanadium, Dissolved	ug/L	<0.32	1.0	10/18/24 01:36	
Zinc, Dissolved	ug/L	<10.3	34.4	10/18/24 01:36	

LABORATORY CONTROL SAMPLE: 2788568

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	10000	9890	99	80-120	
Antimony, Dissolved	ug/L	250	246	98	80-120	
Copper, Dissolved	ug/L	250	250	100	80-120	
Iron, Dissolved	ug/L	10000	10000	100	80-120	
Manganese, Dissolved	ug/L	250	247	99	80-120	
Nickel, Dissolved	ug/L	250	245	98	80-120	
Silver, Dissolved	ug/L	125	121	97	80-120	
Vanadium, Dissolved	ug/L	250	247	99	80-120	
Zinc, Dissolved	ug/L	250	252	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2788569 2788570

Parameter	Units	40285482004	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Max	Qual
		Result	Spike	Spike									
Aluminum, Dissolved	ug/L	<117	10000	10000	9620	9730	96	97	75-125	1	20		
Antimony, Dissolved	ug/L	<0.30	250	250	250	250	100	100	75-125	0	20		
Copper, Dissolved	ug/L	<3.8	250	250	245	244	98	98	75-125	0	20		
Iron, Dissolved	ug/L	30200	10000	10000	40300	40500	102	104	75-125	0	20		
Manganese, Dissolved	ug/L	767	250	250	1010	1010	98	97	75-125	0	20		
Nickel, Dissolved	ug/L	<0.57	250	250	241	244	96	98	75-125	2	20		
Silver, Dissolved	ug/L	<0.25	125	125	118	118	94	95	75-125	0	20		
Vanadium, Dissolved	ug/L	<0.63	250	250	250	253	100	101	75-125	1	20		
Zinc, Dissolved	ug/L	<20.7	250	250	251	253	99	100	75-125	1	20		

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QUALITY CONTROL DATA

Project: Marinette Former MGP
Pace Project No.: 40285482

QC Batch:	486965	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV UST-WATER
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40285482001, 40285482002, 40285482003, 40285482004, 40285482005, 40285482006, 40285482007, 40285482008, 40285482009, 40285482010, 40285482011, 40285482012, 40285482013		

METHOD BLANK: 2788720 Matrix: Water
Associated Lab Samples: 40285482001, 40285482002, 40285482003, 40285482004, 40285482005, 40285482006, 40285482007, 40285482008, 40285482009, 40285482010, 40285482011, 40285482012, 40285482013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.30	1.0	10/11/24 15:48	
Ethylbenzene	ug/L	<0.33	1.0	10/11/24 15:48	
m&p-Xylene	ug/L	<0.70	2.0	10/11/24 15:48	
o-Xylene	ug/L	<0.35	1.0	10/11/24 15:48	
Toluene	ug/L	<0.29	1.0	10/11/24 15:48	
Xylene (Total)	ug/L	<1.0	3.0	10/11/24 15:48	
1,2-Dichlorobenzene-d4 (S)	%	105	70-130	10/11/24 15:48	
4-Bromofluorobenzene (S)	%	93	70-130	10/11/24 15:48	
Toluene-d8 (S)	%	92	70-130	10/11/24 15:48	

LABORATORY CONTROL SAMPLE: 2788721

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	59.9	120	70-130	
Ethylbenzene	ug/L	50	58.4	117	80-125	
m&p-Xylene	ug/L	100	120	120	70-130	
o-Xylene	ug/L	50	58.7	117	70-130	
Toluene	ug/L	50	58.3	117	80-120	
Xylene (Total)	ug/L	150	178	119	70-130	
1,2-Dichlorobenzene-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			92	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2788722 2788723

Parameter	Units	40285482004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.30	50	50	57.4	56.8	115	114	70-130	1	20	
Ethylbenzene	ug/L	<0.33	50	50	56.7	54.6	113	109	80-126	4	20	
m&p-Xylene	ug/L	<0.70	100	100	117	115	117	115	70-130	2	20	
o-Xylene	ug/L	<0.35	50	50	57.8	56.4	116	113	70-130	2	20	
Toluene	ug/L	<0.29	50	50	56.7	54.2	113	108	80-121	5	20	
Xylene (Total)	ug/L	<1.0	150	150	175	171	117	114	70-130	2	20	
1,2-Dichlorobenzene-d4 (S)	%						99	96	70-130			
4-Bromofluorobenzene (S)	%						94	93	70-130			
Toluene-d8 (S)	%						95	96	70-130			

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QUALITY CONTROL DATA

Project: Marinette Former MGP
Pace Project No.: 40285482

QC Batch: 487130 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: 40285482001, 40285482002, 40285482003, 40285482004, 40285482005, 40285482006

METHOD BLANK: 2789875 Matrix: Water
Associated Lab Samples: 40285482001, 40285482002, 40285482003, 40285482004, 40285482005, 40285482006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.018	0.050	10/16/24 15:17	
2-Methylnaphthalene	ug/L	<0.014	0.050	10/16/24 15:17	
Acenaphthene	ug/L	<0.014	0.050	10/16/24 15:17	
Acenaphthylene	ug/L	<0.013	0.050	10/16/24 15:17	
Anthracene	ug/L	<0.018	0.050	10/16/24 15:17	
Benzo(a)anthracene	ug/L	<0.014	0.050	10/16/24 15:17	
Benzo(a)pyrene	ug/L	<0.013	0.050	10/16/24 15:17	
Benzo(b)fluoranthene	ug/L	<0.0091	0.050	10/16/24 15:17	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	10/16/24 15:17	
Benzo(k)fluoranthene	ug/L	<0.022	0.050	10/16/24 15:17	
Chrysene	ug/L	<0.013	0.050	10/16/24 15:17	
Dibenz(a,h)anthracene	ug/L	<0.018	0.050	10/16/24 15:17	
Fluoranthene	ug/L	<0.026	0.050	10/16/24 15:17	
Fluorene	ug/L	<0.024	0.050	10/16/24 15:17	
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	0.050	10/16/24 15:17	
Naphthalene	ug/L	<0.020	0.050	10/16/24 15:17	
Phenanthrene	ug/L	<0.026	0.050	10/16/24 15:17	
Pyrene	ug/L	<0.023	0.050	10/16/24 15:17	
2-Fluorobiphenyl (S)	%	81	33-123	10/16/24 15:17	
Terphenyl-d14 (S)	%	90	36-134	10/16/24 15:17	

LABORATORY CONTROL SAMPLE: 2789876

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	1.9	96	52-120	
2-Methylnaphthalene	ug/L	2	1.9	95	50-120	
Acenaphthene	ug/L	2	1.6	80	56-120	
Acenaphthylene	ug/L	2	1.6	82	56-120	
Anthracene	ug/L	2	1.8	92	61-120	
Benzo(a)anthracene	ug/L	2	1.8	90	59-120	
Benzo(a)pyrene	ug/L	2	1.9	96	60-120	
Benzo(b)fluoranthene	ug/L	2	1.8	92	56-120	
Benzo(g,h,i)perylene	ug/L	2	1.8	92	57-120	
Benzo(k)fluoranthene	ug/L	2	1.9	94	61-120	
Chrysene	ug/L	2	1.8	92	62-125	
Dibenz(a,h)anthracene	ug/L	2	1.6	82	41-120	
Fluoranthene	ug/L	2	2.0	98	62-120	
Fluorene	ug/L	2	1.8	90	57-120	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.9	95	53-120	

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QUALITY CONTROL DATA

Project: Marinette Former MGP
Pace Project No.: 40285482

LABORATORY CONTROL SAMPLE: 2789876

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	2	1.7	86	46-120	
Phenanthrene	ug/L	2	1.8	92	63-120	
Pyrene	ug/L	2	1.7	87	52-120	
2-Fluorobiphenyl (S)	%			82	33-123	
Terphenyl-d14 (S)	%			90	36-134	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2789877 2789878

Parameter	Units	40285482004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/L	1.0	2.2	2.2	3.4	3.5	106	110	10-153	2	34	
2-Methylnaphthalene	ug/L	0.023J	2.2	2.2	2.2	2.3	98	104	25-120	5	31	
Acenaphthene	ug/L	3.8	2.2	2.2	5.8	6.2	91	106	22-128	6	28	
Acenaphthylene	ug/L	0.081	2.2	2.2	2.0	2.0	84	88	38-120	4	31	
Anthracene	ug/L	0.085	2.2	2.2	2.2	2.4	95	103	37-120	7	29	
Benzo(a)anthracene	ug/L	0.048J	2.2	2.2	2.1	2.3	92	101	18-120	8	25	
Benzo(a)pyrene	ug/L	0.034J	2.2	2.2	2.1	2.3	93	103	31-120	10	34	
Benzo(b)fluoranthene	ug/L	0.048J	2.2	2.2	2.0	2.2	89	95	29-124	6	25	
Benzo(g,h,i)perylene	ug/L	0.030J	2.2	2.2	2.1	2.3	94	102	17-124	8	29	
Benzo(k)fluoranthene	ug/L	<0.025	2.2	2.2	2.0	2.1	89	94	34-127	5	28	
Chrysene	ug/L	0.065	2.2	2.2	2.1	2.2	90	95	25-153	5	29	
Dibenz(a,h)anthracene	ug/L	<0.020	2.2	2.2	2.1	2.2	94	101	10-122	6	30	
Fluoranthene	ug/L	0.38	2.2	2.2	2.7	2.8	102	109	39-129	5	30	
Fluorene	ug/L	0.61	2.2	2.2	2.7	2.7	93	96	41-120	2	28	
Indeno(1,2,3-cd)pyrene	ug/L	0.021J	2.2	2.2	2.2	2.3	98	104	11-127	6	30	
Naphthalene	ug/L	0.10	2.2	2.2	2.1	2.4	90	101	16-136	10	39	
Phenanthrene	ug/L	0.20	2.2	2.2	2.3	2.5	93	103	39-120	8	28	
Pyrene	ug/L	0.32	2.2	2.2	2.3	2.5	89	97	31-122	7	27	
2-Fluorobiphenyl (S)	%						83	85	33-123			
Terphenyl-d14 (S)	%						89	96	36-134			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Marinette Former MGP
Pace Project No.: 40285482

QC Batch: 487213 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: 40285482007, 40285482008, 40285482009, 40285482010, 40285482011, 40285482012

METHOD BLANK: 2790167 Matrix: Water
Associated Lab Samples: 40285482007, 40285482008, 40285482009, 40285482010, 40285482011, 40285482012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.018	0.050	10/16/24 15:34	
2-Methylnaphthalene	ug/L	<0.014	0.050	10/16/24 15:34	
Acenaphthene	ug/L	<0.014	0.050	10/16/24 15:34	
Acenaphthylene	ug/L	<0.013	0.050	10/16/24 15:34	
Anthracene	ug/L	<0.018	0.050	10/16/24 15:34	
Benzo(a)anthracene	ug/L	<0.014	0.050	10/16/24 15:34	
Benzo(a)pyrene	ug/L	<0.013	0.050	10/16/24 15:34	
Benzo(b)fluoranthene	ug/L	<0.0091	0.050	10/16/24 15:34	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	10/16/24 15:34	
Benzo(k)fluoranthene	ug/L	<0.022	0.050	10/16/24 15:34	
Chrysene	ug/L	<0.013	0.050	10/16/24 15:34	
Dibenz(a,h)anthracene	ug/L	<0.018	0.050	10/16/24 15:34	
Fluoranthene	ug/L	<0.026	0.050	10/16/24 15:34	
Fluorene	ug/L	<0.024	0.050	10/16/24 15:34	
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	0.050	10/16/24 15:34	
Naphthalene	ug/L	<0.020	0.050	10/16/24 15:34	
Phenanthrene	ug/L	<0.026	0.050	10/16/24 15:34	
Pyrene	ug/L	<0.023	0.050	10/16/24 15:34	
2-Fluorobiphenyl (S)	%	84	33-123	10/16/24 15:34	
Terphenyl-d14 (S)	%	93	36-134	10/16/24 15:34	

LABORATORY CONTROL SAMPLE & LCSD: 2790168			2790169							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	2	1.8	1.9	89	93	52-120	5	20	
2-Methylnaphthalene	ug/L	2	1.8	1.9	88	93	50-120	5	20	
Acenaphthene	ug/L	2	1.5	1.5	75	77	56-120	2	20	
Acenaphthylene	ug/L	2	1.5	1.5	75	76	56-120	1	20	
Anthracene	ug/L	2	1.7	1.7	85	86	61-120	1	20	
Benzo(a)anthracene	ug/L	2	1.6	1.6	78	80	59-120	3	20	
Benzo(a)pyrene	ug/L	2	1.8	1.8	88	89	60-120	1	20	
Benzo(b)fluoranthene	ug/L	2	1.6	1.7	81	85	56-120	4	20	
Benzo(g,h,i)perylene	ug/L	2	1.6	1.6	82	81	57-120	0	20	
Benzo(k)fluoranthene	ug/L	2	1.7	1.7	87	86	61-120	2	20	
Chrysene	ug/L	2	1.7	1.7	86	86	62-125	1	20	
Dibenz(a,h)anthracene	ug/L	2	1.3	1.2	64	60	41-120	7	27	
Fluoranthene	ug/L	2	1.8	1.8	89	92	62-120	3	20	
Fluorene	ug/L	2	1.6	1.7	82	83	57-120	1	20	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.7	1.7	83	85	53-120	3	23	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Marinette Former MGP

Pace Project No.: 40285482

LABORATORY CONTROL SAMPLE & LCSD: 2790168			2790169							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Naphthalene	ug/L	2	1.7	2.3	83	115	46-120	32	20	R1
Phenanthrene	ug/L	2	1.7	1.7	83	85	63-120	3	20	
Pyrene	ug/L	2	1.6	1.6	78	79	52-120	1	20	
2-Fluorobiphenyl (S)	%				78	79	33-123			
Terphenyl-d14 (S)	%				85	84	36-134			

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QUALITY CONTROL DATA

Project: Marinette Former MGP
Pace Project No.: 40285482

QC Batch: 488049 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: 40285482001, 40285482002, 40285482003, 40285482004, 40285482012

METHOD BLANK: 2795014 Matrix: Water
Associated Lab Samples: 40285482001, 40285482002, 40285482003, 40285482004, 40285482012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	10/24/24 15:50	

LABORATORY CONTROL SAMPLE: 2795015

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	21.2	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2795016 2795017

Parameter	Units	40285473001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	308	400	400	753	724	111	104	90-110	4	15	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2795018 2795019

Parameter	Units	40285482004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	<2.2	100	100	105	107	105	107	90-110	2	15	

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QUALITY CONTROL DATA

Project: Marinette Former MGP
Pace Project No.: 40285482

QC Batch: 487143 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: 40285482001, 40285482002, 40285482003, 40285482004

METHOD BLANK: 2789893 Matrix: Water
Associated Lab Samples: 40285482001, 40285482002, 40285482003, 40285482004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	<7.4	25.0	10/15/24 11:29	

LABORATORY CONTROL SAMPLE: 2789894

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	100	101	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2789895 2789896

Parameter	Units	40285425002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO ₃	mg/L	348	200	200	552	553	102	103	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2789897 2789898

Parameter	Units	40285482004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO ₃	mg/L	382	100	100	477	480	95	98	90-110	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Marinette Former MGP
Pace Project No.: 40285482

QC Batch:	487144	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: 40285482012

METHOD BLANK: 2789899 Matrix: Water

Associated Lab Samples: 40285482012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	<7.4	25.0	10/15/24 12:05	

LABORATORY CONTROL SAMPLE: 2789900

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	100	104	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2789901 2789902

Parameter	Units	40285482012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO ₃	mg/L	<7.4	100	100	110	102	108	101	90-110	7	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2789903 2789904

Parameter	Units	40285609008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO ₃	mg/L	329	100	100	425	426	96	97	90-110	0	20	

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QUALITY CONTROL DATA

Project: Marinette Former MGP
Pace Project No.: 40285482

QC Batch: 487716 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: 40285482001, 40285482002, 40285482003, 40285482004, 40285482012

METHOD BLANK: 2793443 Matrix: Water
Associated Lab Samples: 40285482001, 40285482002, 40285482003, 40285482004, 40285482012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.059	0.25	10/21/24 10:20	

LABORATORY CONTROL SAMPLE: 2793444

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: 2793445 2793446

Parameter	Units	40285421001 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	<0.30	12.5	12.5	13.0	12.9	102	101	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2793447 2793448

Parameter	Units	40285482004 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	<0.059	2.5	2.5	2.2	2.2	86	88	90-110	2	20	M0

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QUALIFIERS

Project: Marinette Former MGP
Pace Project No.: 40285482

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 - The reported result is an estimated value.
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 - Analyte was not detected and is reported as less than the LOD or as defined by the customer.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 487281

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1 RPD value was outside control limits.
S4 Surrogate recovery not evaluated against control limits due to sample dilution.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Marinette Former MGP
Pace Project No.: 40285482

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40285482001	100924017	EPA 8015B Modified	487042		
40285482002	100924018	EPA 8015B Modified	487042		
40285482003	100924019	EPA 8015B Modified	487042		
40285482004	100924020	EPA 8015B Modified	487042		
40285482012	100924028	EPA 8015B Modified	487042		
40285482001	100924017	EPA 3010A	486917	EPA 6020B	487129
40285482002	100924018	EPA 3010A	486917	EPA 6020B	487129
40285482003	100924019	EPA 3010A	486917	EPA 6020B	487129
40285482004	100924020	EPA 3010A	486917	EPA 6020B	487129
40285482012	100924028	EPA 3010A	486917	EPA 6020B	487129
40285482001	100924017	EPA 3510	487130	EPA 8270E by SIM	487177
40285482002	100924018	EPA 3510	487130	EPA 8270E by SIM	487177
40285482003	100924019	EPA 3510	487130	EPA 8270E by SIM	487177
40285482004	100924020	EPA 3510	487130	EPA 8270E by SIM	487177
40285482005	100924021	EPA 3510	487130	EPA 8270E by SIM	487177
40285482006	100924022	EPA 3510	487130	EPA 8270E by SIM	487177
40285482007	100924023	EPA 3510	487213	EPA 8270E by SIM	487281
40285482008	100924024	EPA 3510	487213	EPA 8270E by SIM	487281
40285482009	100924025	EPA 3510	487213	EPA 8270E by SIM	487281
40285482010	100924026	EPA 3510	487213	EPA 8270E by SIM	487281
40285482011	100924027	EPA 3510	487213	EPA 8270E by SIM	487281
40285482012	100924028	EPA 3510	487213	EPA 8270E by SIM	487281
40285482001	100924017	EPA 8260	486965		
40285482002	100924018	EPA 8260	486965		
40285482003	100924019	EPA 8260	486965		
40285482004	100924020	EPA 8260	486965		
40285482005	100924021	EPA 8260	486965		
40285482006	100924022	EPA 8260	486965		
40285482007	100924023	EPA 8260	486965		
40285482008	100924024	EPA 8260	486965		
40285482009	100924025	EPA 8260	486965		
40285482010	100924026	EPA 8260	486965		
40285482011	100924027	EPA 8260	486965		
40285482012	100924028	EPA 8260	486965		
40285482013	100924029	EPA 8260	486965		
40285482001	100924017	EPA 300.0	488049		
40285482002	100924018	EPA 300.0	488049		
40285482003	100924019	EPA 300.0	488049		
40285482004	100924020	EPA 300.0	488049		
40285482012	100924028	EPA 300.0	488049		
40285482001	100924017	EPA 310.2	487143		
40285482002	100924018	EPA 310.2	487143		
40285482003	100924019	EPA 310.2	487143		
40285482004	100924020	EPA 310.2	487143		
40285482012	100924028	EPA 310.2	487144		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Marinette Former MGP
Pace Project No.: 40285482

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40285482001	100924017	EPA 353.2	487716		
40285482002	100924018	EPA 353.2	487716		
40285482003	100924019	EPA 353.2	487716		
40285482004	100924020	EPA 353.2	487716		
40285482012	100924028	EPA 353.2	487716		

REPORT OF LABORATORY ANALYSIS

40205482

LAB USE ONLY - Affix Workorder/Login Label Here



COC #3

Scan QR Code for instructions

CHAIN-OF-CUSTODY Analytical Request Document

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

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

Customer Project #:

Project Name: Marinette Former MGP

Site Collection Info/Facility ID (as applicable):

Contact/Report To: Emily Ruder
 Phone #: 414-249-0678
 E-Mail: eruder@ramboll.com
 Cc E-Mail: hwalters@ramboll.com
 a.smali@ramboll.com

Invoice To: Accounts - WEC

Invoice E-Mail: invoicecollector@wecenergygroup.com

Purchase Order # (if applicable): 1200187395

Quote #:

County / State origin of sample(s): Wisconsin

Time Zone Collected: [] AK [] PT [] MT [X] CT [] ET

Data Deliverables:

Regulatory Program (DW, RCRA, etc.) as applicable:

Reportable [] Yes [] No

Rush (Pre-approval required):

DW PWSID # or WW Permit # as applicable:

[] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other

Date Results Requested:

standard turn

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

Analysis: Metals

* 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), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start		Collected or Composite End		# Cont.	Res. Chlorine		353.2 Nitrogen, NO2/NO3 pres.	Diss 6020	8260 BTEX	8260 Benzene / Ethylbenzene	8270E MSSV / PAH	8270E MSSV / PAH Short List	Methane	Sulfate, Alkalinity		EZ 3163096	Preservation non-conformance identified for sample.	
			Date	Time	Date	Time		Results	Units										Sample Comment		
100924017	GW	G	HAZ		10.9.24	926	11			X	X	X		X		X	X		001		
100924018							958	11			X	X	X		X		X	X		002	
100924019							1033	11			X	X	X		X		X	X		003	
100924020							1109	33			X	X	X		X		X	X		MSMS D004	
100924021							1210	5						X		X				Screen 005	
100924022							1300	5						X		X				Screen 006	
100924023							1325	5						X		X				Screen 007	
100924024							1330	5						X		X				Screen 008	
100924025							1400	5						X		X				Screen 009	
100924026	✓	✓					1405	5						X		X				Screen 010	

Additional Instructions from Pace®:

Collected By:
 (Printed Name)
 Signature:

Emily Ruder

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: 1 SR 127 Thermometer ID: 0.6 Correction Factor (°C): 3.0 Obs. Temp. (°C): 3.0 Corrected Temp. (°C): 4 On Ice: Y

Relinquished by/Company: (Signature)
 Hailey Walters/Ramboll

Date/Time:
 10.9.1630

Received by/Company: (Signature)
 Yvonne B pae

Date/Time:
 10.9.24 1630

Tracking Number:
 N/A

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

Delivered by: [] Person [] Courier

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

[] FedEx [] UPS [] Other

Relinquished by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

Page: of

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/>

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QC: 022101/24

40285482



Pace® Location Requested (City/State):
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 Integrays 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
h.walters@ramboll.com

Customer Project #:
Project Name: Marinette Former MGP

Site Collection Info/Facility ID (as applicable):
Time Zone Collected: [] AK [] PT [] MT [X] CT [] ET
Data Deliverables: [] Level II [] Level III [] Level IV
[] EQUIS
[] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [] Yes [] No
Rush (Pre-approval required):
[] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other
Date Results Requested: Standard turn
Field Filtered (if applicable): [X] Yes [] No
Analysis: metals

Invoice To: Accounts - WEC
Invoice E-Mail: invoicecollector@wecenergygroup.com
Purchase Order # (if applicable): 1200187395
Quote #:
County / State origin of sample(s): Wisconsin



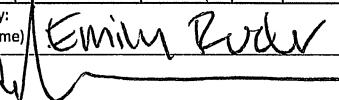
Scan QR Code for instructions

Specify Container Size **
3 3 6 6 5 5 6 3
Identify Container Preservative Type***
3 2 4 4 1 1 4 1
Analysis Requested
353.2 Nitrogen, NO2/NO3 pres.
Diss 6020
8260 BTEX
8260 Benzene / Ethylbenzene
8270E MSSV PAH
8270E MSSV PAH Short List
Methane
Sulfate, Alkalinity
Tnp Blank

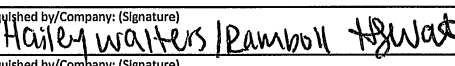
**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other
*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

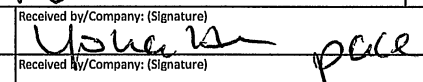
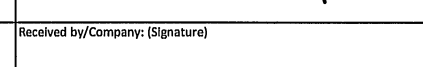
Lab Use Only
Proj. Mgr: Brian Basten
AcctNum / Client ID:
Table #:
Profile / Template: 3569
Prelog / Bottle Ord. ID: EZ 3163096
Sample Comment
Screen Oil
012
013

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Collected By: (Printed Name) Emily Ruder
Signature: 

Customer Remarks / Special Conditions / Possible Hazards:
Coolers: 1 Thermometer ID: SR 127 Correction Factor (°C): 0.0 Obs. Temp. (°C): 3.0 Corrected Temp. (°C): 3.0 On Ice: Y

Relinquished by/Company: (Signature) Hailey Walters / Ramboll
Date/Time: 10.9 1630
Relinquished by/Company: (Signature) 
Date/Time:
Relinquished by/Company: (Signature)
Date/Time:
Relinquished by/Company: (Signature)
Date/Time:
Relinquished by/Company: (Signature)
Date/Time:

Received by/Company: (Signature) 
Date/Time: 10.9.24 1630
Received by/Company: (Signature) 
Date/Time:
Received by/Company: (Signature)
Date/Time:
Received by/Company: (Signature)
Date/Time:

Tracking Number: 1A
Delivered by: [X] In-Person [] Courier
[] FedEx [] UPS [] Other
Page: of

QC: ERZ 10.9.24

Effective Date: 8/16/2022

Client Name: O'Brien & Gere

Sample Preservation Receipt Form

Project # 40285482

All containers needing preservation have been checked and noted below:

☒ Yes☐ No☐ N/ALab Lot# of pH paper: 10P3733

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

Initial when completed GF

Date/Time:

Pace Lab #	Glass						Plastic					Vials					Jars				General				VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T							
001					2				1		1	1					6														2.5 / 5
002					2				1		1	1					6														2.5 / 5
003					2				1		1	1					6														2.5 / 5
004					6				3		3	3					18														2.5 / 5
005					2												3												1		2.5 / 5
006					2												3														2.5 / 5
007					2												3														2.5 / 5
008					2												3														2.5 / 5
009					2												3														2.5 / 5
010					2												3														2.5 / 5
011					2												3														2.5 / 5
012					2				1		1	1					6														2.5 / 5
013																	2														2.5 / 5
014																															2.5 / 5
015																															2.5 / 5
016																															2.5 / 5
017																															2.5 / 5
018																															2.5 / 5
019																															2.5 / 5
020																															2.5 / 5

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other:Headspace in VOA Vials (>6mm): ☒ Yes ☐ No ☐ N/A

*If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

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Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: O'Brien & Gere

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco
☒ Client ☐ Pace Other: _____

WO#: **40285482**



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 - 127 Type of Ice: Wet Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 3.0 /Corr: 3.0

Temp Blank Present: ☐ yes ☒ no

Biological Tissue is Frozen: ☐ yes ☐ no

Temp should be above freezing to 6°C.

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

Person examining contents:

Date: 01/19/24 Initials: gna

Labeled By Initials: KKS

Chain of Custody Present: ☒ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out: ☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished: ☒ Yes ☐ No ☐ N/A	3.
Sampler Name & Signature on COC: ☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time: ☒ Yes ☐ No	5.
- DI VOA Samples frozen upon receipt ☐ Yes ☐ No	Date/Time:
Short Hold Time Analysis (<72hr): ☐ Yes ☒ No	6.
Rush Turn Around Time Requested: ☐ Yes ☒ No	7.
Sufficient Volume: For Analysis: ☒ Yes ☐ No MS/MSD: ☒ Yes ☐ No ☐ N/A	8.
Correct Containers Used: ☒ Yes ☐ No	9.
Correct Type: <u>Pace Green Bay</u> , Pace IR, Non-Pace	
Containers Intact: ☒ Yes ☐ No	10.
Filtered volume received for Dissolved tests ☒ Yes ☐ No ☐ N/A	11.
Sample Labels match COC: ☒ Yes ☐ No ☐ N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>	
Trip Blank Present: ☒ Yes ☐ No ☐ N/A	13.
Trip Blank Custody Seals Present ☒ Yes ☐ No ☐ N/A	
Pace Trip Blank Lot # (if purchased): <u>534</u>	

Client Notification/ Resolution:

If checked, see attached form for additional comments ☐

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: AG5U on sample point 004 broken by lab accident. mvr 10/09/2024

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

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