

From: Dombrowski, Frank J <frank.dombrowski@wecenergygroup.com>
Sent: Friday, November 13, 2020 1:46 PM
To: gielniewski.margaret@epa.gov
Cc: Marcus D Byker; Fitzpatrick, William - DNR; DNR RR NER; Korpela, Adrienne/MKE; Krueger, Sarah E - DNR; Schmenk, Colin R -DNR; Marcus Byker (Marcus.Byker@ramboll.com)
Subject: WPSC Marinette Former MGP - Oct. 2020 Monthly Progress Report (CERCLA Docket No V-W-18-C-009)
Attachments: 2020-11-13 WPSC-USEPA October 2020 WPSC Marinette Monthly Progress Report.pdf

Hi Margaret,

Please find attached the October 2020 monthly progress report (with attachments) for the WPSC Marinette Former MGP Site.

As always, please contact me if you have any questions or if additional information may be needed.

Thank you,

Frank Dombrowski
Principal Environmental Consultant

WEC Energy Group - Business Services
Environmental Dept. - Land Quality Group
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Serving WEC Energy Group, We Energies, Wisconsin Public Service, Michigan Gas Utilities, Minnesota Energy Resources, Peoples Gas and North Shore Gas



Wisconsin Public Service Corporation

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November 13, 2020

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

**RE: October 2020 Monthly Progress Report
Marinette Former Manufactured Gas Plant
Marinette, Wisconsin
Wisconsin Public Service Corporation
CERCLA Docket No V-W-18-C-009, Site Spill ID – B5BT,
CERCLIS ID – WIN000509952**

Dear Ms. Gielniewski:

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

1) PROGRESS MADE DURING THE PAST MONTH

- Prepared and submitted September 2020 Monthly Progress Report to United States Environmental Protection Agency (USEPA) by October 15, 2020.
- Continued access negotiations with Fincantieri Marinette Marine.
- Completed semi-annual groundwater sampling between October 12 and 13, 2020.

2) ANALYTICAL AND OTHER TESTING RESULTS RECEIVED

- Preliminary data packages have been received from soil and groundwater sampling completed as part of Preliminary Design Investigation (PDI). Data will undergo additional validation and will be included as part of the PDI Summary Report.

3) PROJECTED WORK

WPSC Actions

- Submit monthly progress report to USEPA by the 15th of the month.
- Continue access negotiations with Fincantieri Marinette Marine.
- Receive analytical data from semiannual sampling event, import into site database and develop screening tables.

USEPA Actions

- None

4) PROBLEMS OR POTENTIAL PROBLEMS ENCOUNTERED

- None

5) ACTUAL OR PLANNED RESOLUTION OF PROBLEMS OR POTENTIAL PROBLEMS

- None

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

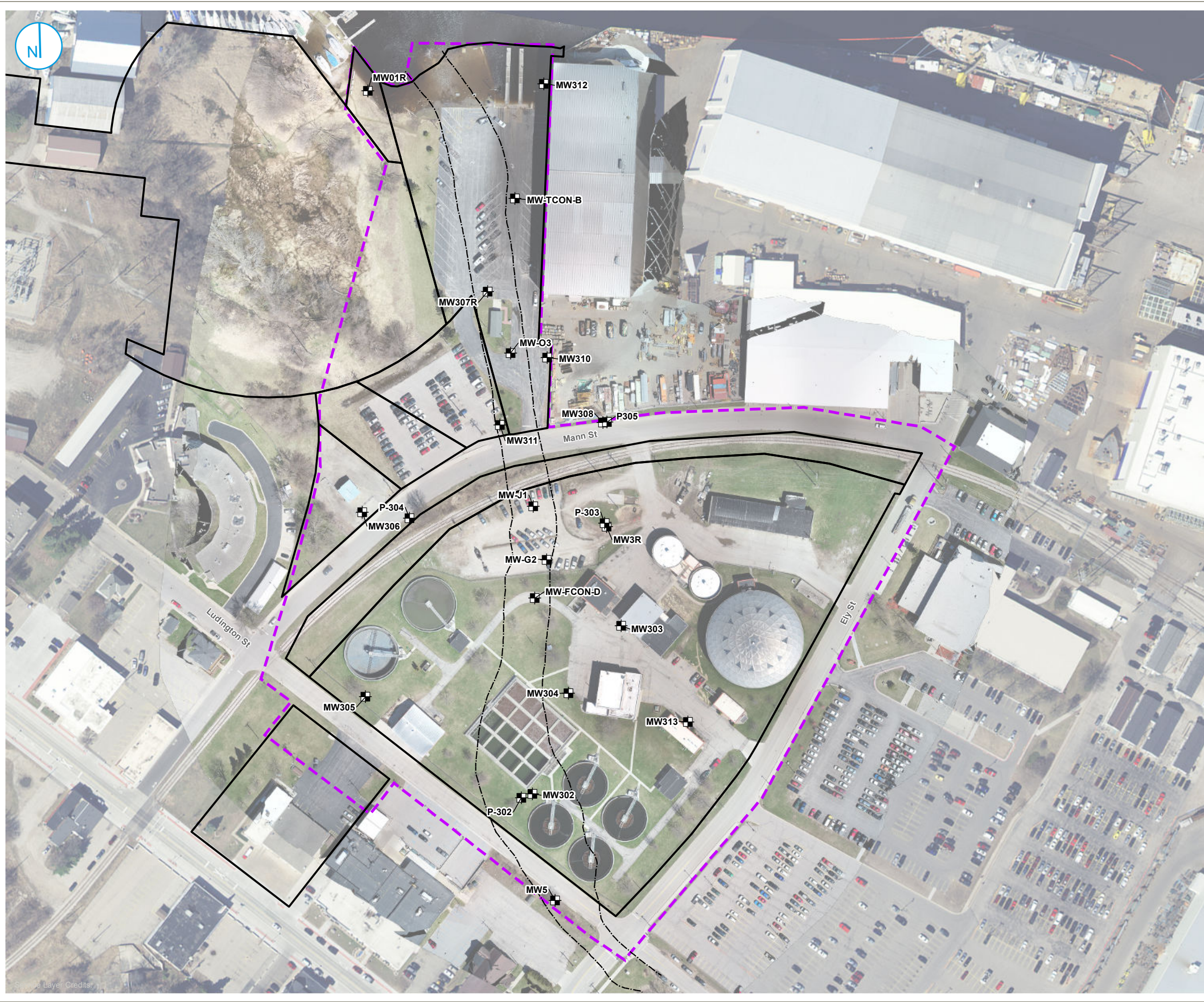
Sincerely,







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

Enclosures: Figure 1 – Monitoring Wells
 Table 1 – Groundwater Analytical Results Compared to the Groundwater
 Standard, Tap Water Criteria, and WI PAL
 Marinette MGP Groundwater Level IV Data Package (on SharePoint)
 [Marinette MGP 2020 October MPR SharePoint Link](#)

For distribution to: Ms. Sarah Krueger, WDNR (via US Mail and email)
 Mr. William Fitzpatrick, WDNR (via US Mail and email)
 Mr. Colin Schmenk, WDNR (via email)
 WDNR Northeast Region (via email to DNRRRNER@wisconsin.gov) Ms.
 Adrienne Korpela, Jacobs (via email)
 Mr. Marcus Byker, Ramboll (via email)



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



MONITORING WELLS

WSPC MARINETTE FORMER MGP SITE
MARINETTE, WISCONSIN

FIGURE 1



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

Monthly Progress Report - October 2020 Sample Results
 Wisconsin Public Service Corporation
 Marinette Former MGP
 Marinette, Wisconsin
 BRRTS# 023800047 CERCLIS ID: WIN000509952

9-Digit Code	Sample Location	Sample Date	BTEX						PAH						Metal													
			Benzene	Ethylbenzene	Toluene	Xylene, o	Xylenes, m + p	Xylenes, Total	Anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Fluorene	Naphthalene	Phenanthrene	Pyrene	Aluminum, Dissolved	Antimony, Dissolved	Copper, Dissolved	Iron, Dissolved	Manganese, Dissolved	Nickel, Dissolved	Silver, Dissolved	Vanadium, Dissolved	Zinc, Dissolved	
Reporting Units:			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	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
WI Groundwater SL:			5	700	800	NS	NS	2,000	3,000	0.2	0.2	NS	0.2	400	400	100	3,000	250	200	6	1,300	NS	300	100	50	30	NS	
WI Groundwater PAL:			0.5	140	160	NS	NS	400	600	0.02	0.02	NS	0.02	80	80	10	NS	50	40	1.2	130	150	60	20	10	6	2,500	
Tap Water RSL:			0.46	1.5	1,100	190	190	190	1,800	0.025	0.25	120	25	800	290	0.12	1,800	120	20,000	7.8	800	14,000	430	390	94	86	6,000	
101220013	MW01R	10/12/2020	0.25 U	0.32 U	0.27 U	0.26 U	0.47 U	1.5 U	0.011 U	0.011 U	0.0060 U	0.0071 U	0.014 U	0.011 U	0.0083 U	0.023 J	0.014 U	0.0080 U	117 U	0.30 U	3.8 U	11,200	905	0.85 J	0.25 U	1.8 J	20.7 U	
101220011	MW03R	10/12/2020	0.25 U	0.32 U	0.27 U	0.26 U	0.47 U	1.5 U	0.059	0.087	0.17	0.087	0.13	0.17	0.0082 U	0.019 U	0.043 J	0.18	117 U	0.30 U	3.8 U	1,370	831	2.8	0.25 U	1.8 J	20.7 U	
101220007	MW05	10/12/2020	0.25 U	0.32 U	0.27 U	0.26 U	0.47 U	1.5 U	0.011 U	0.011 U	0.0060 U	0.0071 U	0.014 U	0.011 U	0.0083 U	0.019 U	0.014 U	0.0080 U	117 U	0.30 U	3.8 U	116 U	553	2.2	0.25 U	0.63 U	80.9	
101220002	MW302	10/12/2020	0.25 U	0.32 U	2.1	0.26 U	0.47 U	1.5 U	0.10	0.33	0.39	0.25	0.24	0.31	0.0081 U	0.044 J	0.060 J	0.30	117 U	0.30 U	3.8 U	201 J	2.4 U	2.5	0.25 U	0.63 U	20.7 U	
101220005	MW303	10/12/2020	0.25 U	0.32 U	0.27 U	0.26 U	0.47 U	1.5 U	0.032 J	0.011 U	0.018 J	0.011 J	0.013 U	0.013 J	0.0081 U	0.019 U	0.014 U	0.038 J	117 U	0.30 U	3.8 U	8,600	2,850	12.4	0.25 U	2.5	20.7 U	
101220004	MW304	10/12/2020	266	35.6	90.9	36.6	60.3	96.9	0.39 J	0.21 U	0.12 U	0.14 U	0.26 U	0.23 J	0.77 J	172	1.0 J	0.23 J	117 U	1.2 J	3.8 U	1,830	1,290	2.3	0.25 U	5.1	26.6 J	
101220001	MW305	10/12/2020	0.25 U	0.32 U	0.27 U	0.26 U	0.47 U	1.5 U	0.011 U	0.011 U	0.0059 U	0.0069 U	0.013 U	0.011 U	0.0081 U	0.021 J	0.014 U	0.0078 U	117 U	0.30 U	3.8 U	116 U	2.4 U	1.6 J	0.25 U	0.63 U	20.7 U	
101220012	MW306	10/12/2020	0.25 U	5.4	0.27 U	25.2	24.3	49.5	0.11 U	0.11 U	0.061 U	0.072 U	0.14 U	0.11 U	0.085 U	52.0	0.15 U	0.34 J	117 U	0.30 U	3.8 U	22,300	874	0.80 J	0.25 U	3.2	20.7 U	
101320016	MW307R	10/13/2020	0.25 U	0.32 U	0.27 U	0.26 J	0.47 U	1.5 U	0.13	0.034 J	0.058	0.036	0.083	0.24	0.30	0.12	0.30	0.26	117 U	0.30 U	3.8 U	16,400	181	0.57 U	0.25 U	0.63 U	20.7 U	
101220008/101220009 (N)	MW308	10/12/2020	0.25 U	0.32 U	0.27 U	0.26 U	0.47 U	1.5 U	0.010 U	0.010 U	0.0056 U	0.0066 U	0.013 U	0.010 U	0.0077 U	0.018 U	0.013 U	0.0074 U	117 U	0.30 U	8.2 J	1,480	2,930	17.4	0.25 U	0.63 U	137	
101320017	MW310	10/13/2020	0.25 U	0.32 U	0.27 U	0.26 U	0.47 U	1.5 U	0.054 U	0.054 U	0.030 U	0.035 U	0.067 U	0.055 U	1.2	0.57	0.67	0.039 U	117 U	0.30 U	3.8 U	12,200	1,960	1.5 J	0.25 U	2.2	20.7 U	
101320018/101320019 (N)	MW311	10/13/2020	136	198	2.7	66.8	8.6 J	75.4	1.1 U	1.1 U	0.59 U	0.70 U	1.3 U	4.0 J	34.8	747	38.4	4.4	117 U	0.30 U	3.8 U	39,400	810	0.74 J	0.25 U	2.0 J	20.7 U	
101320015	MW312	10/13/2020	0.25 U	0.32 U	0.27 U	0.26 U	0.47 U	1.5 U	0.057	0.011 U	0.013 J	0.0073 U	0.020 J	0.077	0.12	0.024 J	0.18	0.089	117 U	0.30 U	3.8 U	26,400	1,030	0.62 J	0.25 U	0.63 U	20.7 U	
101220006	MW313	10/12/2020	0.25 U	0.32 U	0.27 U	0.26 U	0.47 U	1.5 U	0.022 J	0.053 J	0.088	0.056	0.058 J	0.097	0.019 J	0.019 U	0.028 J	0.11	194 J	0.30 U	3.8 U	8,730	511	1.6 J	0.25 U	2.3	20.7 U	
101320022	MWFCOND	10/13/2020	387	94.2	--	--	--	--	--	10.5 U	5.7 U	--	13.0 U	--	--	1,870	--	--	--	--	--	--	--	--	--	--	--	--
101320024/101320025 (N)	MWG2	10/13/2020	511	446	--	--	--	--	--	2.1 U	1.1 U	--	2.6 U	--	--	1,790	--	--	--	--	--	--	--	--	--	--	--	--
101320023	MWJ1	10/13/2020	2,580	213	--	--	--	--	--	4.2 U	2.3 U	--	5.2 U	--	--	2,500	--	--	--	--	--	--	--	--	--	--	--	--
101320021	MW03	10/13/2020	604	1,690	--	--	--	--	--	10.5 U	5.7 U	--	13.0 U	--	--	5,350	--	--	--	--	--	--	--	--	--	--	--	--
101320020	MWTCONB	10/13/2020	0.25 U	0.32 U	--	--	--	--	--	0.011 U	0.011 J	--	0.013 U	--	--	0.033 J	--	--	--	--	--	--	--	--	--	--	--	--
101220003	P302	10/12/2020	0.25 U	0.32 U	0.27 U	0.26 U	0.47 U	1.5 U	0.011 U	0.011 U	0.0060 U	0.0071 U	0.014 U	0.017 J	0.0083 U	0.020 J	0.020 J	0.023 J	117 U	0.30 U	3.8 U	806	699	0.99 J	0.25 U	0.63 U	20.7 U	
101320026	P303	10/13/2020	0.25 U	0.32 U	0.27 U	0.26 U	0.47 U	1.5 U	0.028 J	0.017 J	0.037	0.021 J	0.044 J	0.047 J	0.0072 U	0.018 J	0.013 U	0.051	--	--	--	--	--	--	--	--	--	--
101320027	P304	10/13/2020	0.25 U	0.32 U	0.27 U	0.26 U	0.47 U	1.5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
101220010	P305	10/12/2020	0.25 U	0.32 U	0.27 U	0.26 U	0.47 U	1.5 U	0.015 J	0.011 U	0.0059 U	0.0069 U	0.013 U	0.11	0.017 J	0.022 J	0.014 U	0.10	117 U	0.30 U	3.8 U	231 J	221	0.98 J	0.25 U	0.63 U	20.7 U	
Total Number of Samples Analyzed:			23	23	18	18	18	18	17	22	22	17	22	17	17	22	17	17	16	16	16	16	16	16	16	16	16	16
Number of Detections:			6	7	2	4	3	3	9	5	8	6	6	11	7	17	9	12	1	1	1	14	14	15	0	8	3	
Min:			136	5.4	2.1	0.26	8.6	49.5	0.015	0.017	0.011	0.011	0.02	0.013	0.017	0.018	0.02	0.023	194	1.2	8.2	201	181	0.62	0	1.8	26.6	
Max:			2,580	1,690	90.9	66.8	60.3	96.9	0.39	0.33	0.39	0.25	0.24	4	34.8	5,350	38.4	4.4	194	1.2	8.2	39,400	2,930	17.4	0	5.1	137	
WI Groundwater SL:			5	700	800	NS	NS	2,000	3,000	0.2	0.2	NS	0.2	400	400	100	3,000	250	200	6	1,300	NS	300	100	50	30	NS	
Number of Samples that Exceed WI Groundwater SL:			6	1	0	0	0	0	0	1	1	0	1	0	0	6	0	0	0	0	0	12	0	0	0	0	0	
WI Groundwater PAL:			0.5	140	160	NS	NS	400	600	0.02	0.02	NS	0.02	80	80	10	NS	50	40	1.2	130	150	60	20	10	6	2,500	
Number of Samples that Exceed WI Groundwater PAL:			6	4	0	0	0	0	0	4	5	0	6	0	0	7	0	0	1	1	0	14	14	0	0	0	0	
Tap Water RSL:			0.46	1.5	1,100	190	190	190	1,800	0.025	0.25	120	25	800	290	0.12	1,800	120	20,000	7.8	800	14,000	430	390	94	86	6,000	
Number of Samples that Exceed Tap Water RSL:			6	7	0	0	0	0	0	4	1	0	0	0	0	8	0	0	0	0	0	4	12	0	0	0	0	

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

Bold	WI Groundwater SL
<u>Underline</u>	<u>WI Groundwater PAL</u>
<i>Italic</i>	<i>Tap Water RSL</i>
Pink Highlighting	result exceeds the WI Groundwater SL; results only exceeding the PAL and/or Tap Water criteria are not highlighted.
Yellow Highlighting	analyte exceedance in statistics for one or more samples

MGP = manufactured gas plant
 NO2 + NO3 = nitrite plus nitrate
 NS = No Standard or Screening Level
 NTU = Nephelometric Turbidity Unit
 PAH = Polycyclic Aromatic Hydrocarbon
 PAL = Preventive Action Limit
 RSL = Regional Screening Level
 s.u. = standard units
 SL = Screening Level
 U = Concentration was not detected above the reported limit
 USEPA = United States Environmental Protection Agency

* = Not enough sample volume for collection of field parameters
 -- = Analysis not performed
 (N) = Normalized sample locations created from combining parent and field duplicate samples following EPA protocol
 µg/L = micrograms per liter
 µS/cm = microsiemens per centimeter (aka micromhos per centimeter or µmhos/cm)
 BRRTS = Bureau for Remediation and Redevelopment Tracking System
 BTEX = Benzene, Toluene

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

Monthly Progress Report - October 2020 Sample Results
 Wisconsin Public Service Corporation
 Marinette Former MGP
 Marinette, Wisconsin
 BRRTS# 023800047 CERCLIS ID: WIN000509952

9-Digit Code	Sample Location	Sample Date	Inorganic		Inorganic		Inorganic		Organic		Field		Field		Field		Field		Field		Field	
			Alkalinity, Total	Nitrogen, NO2 + NO3, Total	Sulfate, Total	Methane	Dissolved oxygen	Groundwater, depth to	Oxidation Reduction Potential	pH, Field	Specific Conductance, Field	Temperature, Water	Turbidity, Quantitative									
Reporting Units:			µg/L	µg/L	µg/L	µg/L	µg/L	feet	millivolts	s.u.	µS/cm	Deg C	NTUs									
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag		
WI Groundwater SL:			NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
WI Groundwater PAL:			NS	2,000	125,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
Tap Water RSL:			NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
101220013	MW01R	10/12/2020	491,000	59 U	2,200 U	6,710	100	1.95	-246.2	6.75	905.6	12.09	1.44									
101220011	MW03R	10/12/2020	354,000	59 U	44,500	346	110	2.90	-239.4	7.00	768.0	15.25	61.54									
101220007	MW05	10/12/2020	243,000	3,700	105,000	1.1 J	160	6.29	-122.5	7.47	1803.6	12.99	14.06									
101220002	MW302	10/12/2020	267,000	4,600	80,400	5.3	920	10.87	70.5	7.11	1,611	16.07	21.94									
101220005	MW303	10/12/2020	463,000	59 U	38,400	492	130	1.84	-251.7	7.32	1718.9	17.35	86.05									
101220004	MW304	10/12/2020	362,000	59 U	44,000	1,980	120	4.56	-438.0	10.28	1337.3	15.46	27.54									
101220001	MW305	10/12/2020	329,000	5,100	72,900	0.66 U	2,270	13.30	158.7	7.54	1961.5	15.26	2.90									
101220012	MW306	10/12/2020	432,000	59 U	2,200 U	4,010	110	2.60	-244.1	6.90	889.7	14.89	16.45									
101320016	MW307R	10/13/2020	188,000	59 U	2,200 U	4,040	110	2.65	-212.0	6.93	478.6	15.78	43.89									
101220008/101220009 (N)	MW308	10/12/2020	679,000	59 U	219,000	237	200	4.05	-123.0	6.86	4,301	14.93	13.73									
101320017	MW310	10/13/2020	518,000	59 U	31,100	2,170	140	3.13	-178.7	6.72	1048.6	16.15	9.32									
101320018/101320019 (N)	MW311	10/13/2020	713,000	59 U	2,200 U	7,070	160	2.86	-180.4	6.59	3154.8	16.12	14.55									
101320015	MW312	10/13/2020	827,000	97 J	2,200 U	5,390	200	0.30	-188.0	6.62	1957.1	15.43	45.77									
101220006	MW313	10/12/2020	373,000	220 J	40,900	3,870	130	2.19	-281.5	7.11	1541.1	16.92	44.39									
101320022	MWFCOND	10/13/2020	--	--	--	--	70	5.45	-195.8	6.67	1347.9	16.76	5.01									
101320024/101320025 (N)	MWG2	10/13/2020	--	--	--	--	70	4.26	-221.1	6.59	2774.1	16.48	26.53									
101320023	MWJ1	10/13/2020	--	--	--	--	30	6.50	-276.6	6.90	3801.5	16.25	54.76									
101320021	MW03	10/13/2020	--	--	--	--	120	3.55	-167.3	6.50	1816.3	17.71	205.09									
101320020	MWTCONB	10/13/2020	--	--	--	--	130	2.10	-174.9	6.55	2708.4	16.82	9.04									
101220003	P302	10/12/2020	265,000	59 U	75,400	11.3	150	10.61	-22.5	7.04	1329.3	14.14	6.10									
101320026	P303	10/13/2020	--	--	--	5.3	--	33.42	--	--	--	--	--									
101320027	P304	10/13/2020	--	--	--	0.66 U	--	33.53	--	--	--	--	--									
101220010	P305	10/12/2020	340,000	59 U	30,400	9.9	230	3.95	-88.3	7.22	2506.3	13.95	0.97									

Total Number of Samples Analyzed:	16	16	16	18	18	20	18	18	18	18	18	18
Number of Detections:	16	5	11	16	18	20	18	18	18	18	18	18
Min:	188,000	97	30,400	1.1	30	0.3	-438	6.5	478.6	12.09	0.97	
Max:	827,000	5,100	219,000	7,070	2,270	33.53	158.7	10.28	3,802	17.71	205.09	
WI Groundwater SL:	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Number of Samples that Exceed WI Groundwater SL:	0	0	0	0	0	0	0	0	0	0	0	0
WI Groundwater PAL:	NS	2,000	125,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
Number of Samples that Exceed WI Groundwater PAL:	0	3	1	0	0	0	0	0	0	0	0	0
Tap Water RSL:	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Number of Samples that Exceed Tap Water RSL:	0	0	0	0	0	0	0	0	0	0	0	0

[O:CMD 11/10/20, C:MJM 11/11/20, QA: MDB 11/13/2020]

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

Bold	WI Groundwater SL
<u>Underline</u>	WI Groundwater PAL
<i>Italic</i>	Tap Water RSL
Pink Highlighting	result exceeds the WI Groundwater SL; results only exceeding the PAL and/or Tap Water criteria are not highlighted.
Yellow Highlighting	analyte exceedance in statistics for one or more samples

* = Not enough sample volume for collection of field parameters
 -- = Analysis not performed
 (N) = Normalized sample locations created from combining parent and field duplicate samples following EPA protocol
 µg/L = micrograms per liter
 µS/cm = microsiemens per centimeter (aka micromhos per centimeter or µmhos/cm)
 BRRTS = Bureau for Remediation and Redevelopment Tracking System
 BTEX = Benzene, Toluene, Ethylbenzene and Xylene
 CERCLIS = Comprehensive Environmental Response, Compensation, and Liability Information System
 Deg C = degrees Celsius
 EPA = Environmental Protection Agency
 J = Estimated concentration
 mg/L = milligrams per liter

MGP = manufactured gas plant
 NO2 + NO3 = nitrite plus nitrate
 NS = No Standard or Screening Level
 NTU = Nephelometric Turbidity Unit
 PAH = Polycyclic Aromatic Hydrocarbon
 PAL = Preventive Action Limit
 RSL = Regional Screening Level
 s.u. = standard units
 SL = Screening Level
 U = Concentration was not detected above the reported limit
 USEPA = United States Environmental Protection Agency

Screening Levels and Standards:

PAL from WI Administrative Code NR 140 groundwater quality standard revised effective January 2020. Results that attain or exceed the PAL are considered to be in exceedance. Groundwater and Tap Water Screening Levels used on this table were presented in the Multi-Site Risk Assessment Framework (RAF) Addendum Revision 6, issued in August 2017. Since that time, six revisions of the RSLs have been published by EPA through May 2020. As a result of these six revisions, there were no updates to the RSLs necessary for the MGP-related constituents evaluated in this table.

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

October 28, 2020

Scott Woods
Ramboll

RE: Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Dear Scott Woods:

Enclosed are the analytical results for sample(s) received by the laboratory on October 13, 2020. 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,



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

Enclosures

cc: Marcus Byker, Ramboll
NRT Data, OBG
Eric Plante, Ramboll
Abigail Small, Ramboll



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

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

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40216446001	101220001	Water	10/12/20 11:15	10/13/20 17:14
40216446002	101220002	Water	10/12/20 11:46	10/13/20 17:14
40216446003	101220003	Water	10/12/20 12:11	10/13/20 17:14
40216446004	101220004	Water	10/12/20 12:11	10/13/20 17:14
40216446005	101220005	Water	10/12/20 13:32	10/13/20 17:14
40216446006	101220006	Water	10/12/20 14:01	10/13/20 17:14
40216446007	TB-01	Water	10/12/20 00:00	10/13/20 17:14
40216446008	101220007	Water	10/12/20 14:36	10/13/20 17:14
40216446009	101220008	Water	10/12/20 15:09	10/13/20 17:14
40216446010	101220009	Water	10/12/20 15:14	10/13/20 17:14
40216446011	101220010	Water	10/12/20 15:43	10/13/20 17:14
40216446012	101220011	Water	10/12/20 16:18	10/13/20 17:14
40216446013	101220012	Water	10/12/20 16:58	10/13/20 17:14
40216446014	101220013	Water	10/12/20 17:35	10/13/20 17:14
40216446015	101220014	Water	10/12/20 18:00	10/13/20 17:14
40216446016	TB-02	Water	10/12/20 00:00	10/13/20 17:14
40216446017	101320015	Water	10/13/20 07:14	10/13/20 17:14
40216446018	101320016	Water	10/13/20 08:00	10/13/20 17:14
40216446019	101320017	Water	10/13/20 08:29	10/13/20 17:14
40216446020	101320018	Water	10/13/20 09:05	10/13/20 17:14
40216446021	101320019	Water	10/13/20 09:10	10/13/20 17:14
40216446022	101320026	Water	10/13/20 14:00	10/13/20 17:14
40216446023	101320027	Water	10/13/20 13:45	10/13/20 17:14
40216446024	101320028	Water	10/13/20 15:45	10/13/20 17:14
40216446025	TB-03	Water	10/13/20 00:00	10/13/20 17:14
40216446026	101320020	Water	10/13/20 09:50	10/13/20 17:14
40216446027	101320021	Water	10/13/20 10:30	10/13/20 17:14
40216446028	101320022	Water	10/13/20 11:20	10/13/20 17:14
40216446029	101320023	Water	10/13/20 12:29	10/13/20 17:14
40216446030	101320024	Water	10/13/20 13:07	10/13/20 17:14
40216446031	101320025	Water	10/13/20 13:12	10/13/20 17:14
40216446032	TB-04	Water	10/13/20 00:00	10/13/20 17:14

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40216446001	101220001	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	JJB	12	PASI-G
		EPA 8260	MDS	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40216446002	101220002	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	JJB	12	PASI-G
		EPA 8260	MDS	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40216446003	101220003	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	JJB	12	PASI-G
		EPA 8260	MDS	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40216446004	101220004	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	JJB	12	PASI-G
		EPA 8260	MDS	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40216446005	101220005	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	JJB	12	PASI-G
		EPA 8260	MDS	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40216446006	101220006	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G

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SAMPLE ANALYTE COUNT

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270 by HVI	JJB	12	PASI-G
		EPA 8260	MDS	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40216446007	TB-01	EPA 8260	MDS	9	PASI-G
40216446008	101220007	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	JJB	12	PASI-G
		EPA 8260	MDS	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40216446009	101220008	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	JJB	12	PASI-G
		EPA 8260	MDS	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40216446010	101220009	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	JJB	12	PASI-G
		EPA 8260	MDS	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40216446011	101220010	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	JJB	12	PASI-G
		EPA 8260	MDS	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40216446012	101220011	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	JJB	12	PASI-G

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SAMPLE ANALYTE COUNT

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40216446013	101220012	EPA 8260	MDS	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	JJB	12	PASI-G
		EPA 8260	MDS	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
40216446014	101220013	EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	JJB	12	PASI-G
		EPA 8260	HNW	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40216446015	101220014	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	JJB	12	PASI-G
		EPA 8260	HNW	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
40216446016	TB-02	EPA 8260	MDS	9	PASI-G
		EPA 8260	MDS	9	PASI-G
40216446017	101320015	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	JJB	12	PASI-G
		EPA 8260	HNW	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
40216446018	101320016	EPA 8270 by HVI	JJB	12	PASI-G
		EPA 8260	HNW	9	PASI-G

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SAMPLE ANALYTE COUNT

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40216446019	101320017	EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	JJB	12	PASI-G
		EPA 8260	HNW	9	PASI-G
40216446020	101320018	EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	JJB	12	PASI-G
		EPA 8260	HNW	9	PASI-G
40216446021	101320019	EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	JJB	12	PASI-G
		EPA 8260	HNW	9	PASI-G
40216446022	101320026	EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
		EPA 8015B Modified	ALD	1	PASI-G
		EPA 8270 by HVI	JJB	12	PASI-G
		EPA 8260	HNW	9	PASI-G
		40216446023	101320027	EPA 8015B Modified	ALD
EPA 8260	HNW			9	PASI-G
40216446024	101320028			EPA 8015B Modified	ALD
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	JJB	12	PASI-G
		EPA 8260	HNW	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40216446025	TB-03	EPA 8260	MDS	9	PASI-G

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40216446026	101320020	EPA 8270 by HVI	JJB	6	PASI-G
		EPA 8260	HNW	5	PASI-G
40216446027	101320021	EPA 8270 by HVI	JJB	6	PASI-G
		EPA 8260	HNW	5	PASI-G
40216446028	101320022	EPA 8270 by HVI	JJB	6	PASI-G
		EPA 8260	HNW	5	PASI-G
40216446029	101320023	EPA 8270 by HVI	JJB	6	PASI-G
		EPA 8260	HNW	5	PASI-G
40216446030	101320024	EPA 8270 by HVI	JJB	6	PASI-G
		EPA 8260	HNW	5	PASI-G
40216446031	101320025	EPA 8270 by HVI	JJB	6	PASI-G
		EPA 8260	HNW	5	PASI-G
40216446032	TB-04	EPA 8260	MDS	5	PASI-G

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Method: EPA 8015B Modified

Description: Methane, Ethane, Ethene GCV

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

Date: October 28, 2020

General Information:

22 samples were analyzed for EPA 8015B Modified by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Surrogates:

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

Method Blank:

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

QC Batch: 368631

B: Analyte was detected in the associated method blank.

- BLANK for HBN 368631 [GCV/2046 (Lab ID: 2131425)
- Methane

Laboratory Control Spike:

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

QC Batch: 369069

R1: RPD value was outside control limits.

- LCSD (Lab ID: 2133434)
- Methane

Matrix Spikes:

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

QC Batch: 368631

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40216446004

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

- MS (Lab ID: 2131428)
 - Methane
- MSD (Lab ID: 2131429)
 - Methane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Method: EPA 8015B Modified

Description: Methane, Ethane, Ethene GCV

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

Date: October 28, 2020

QC Batch: 369069

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40216463007

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

- MS (Lab ID: 2133943)
 - Methane
- MSD (Lab ID: 2133944)
 - Methane

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Method: EPA 6020

Description: 6020 MET ICPMS, Dissolved

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

Date: October 28, 2020

General Information:

20 samples were analyzed for EPA 6020 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 3010 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: 368309

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

• 101220001 (Lab ID: 40216446001)

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

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Method: EPA 6020

Description: 6020 MET ICPMS, Dissolved

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

Date: October 28, 2020

Analyte Comments:

QC Batch: 368309

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

- 101220002 (Lab ID: 40216446002)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Iron, Dissolved
 - Manganese, Dissolved
 - Antimony, Dissolved
 - Vanadium, Dissolved
 - Zinc, Dissolved
- 101220003 (Lab ID: 40216446003)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Nickel, Dissolved
 - Antimony, Dissolved
 - Vanadium, Dissolved
 - Zinc, Dissolved
- 101220004 (Lab ID: 40216446004)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Antimony, Dissolved
 - Zinc, Dissolved
- 101220005 (Lab ID: 40216446005)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Antimony, Dissolved
 - Zinc, Dissolved
- 101220006 (Lab ID: 40216446006)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Nickel, Dissolved
 - Antimony, Dissolved
 - Zinc, Dissolved
- 101220007 (Lab ID: 40216446008)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Iron, Dissolved
 - Antimony, Dissolved
 - Vanadium, Dissolved

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Method: EPA 6020
Description: 6020 MET ICPMS, Dissolved
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: October 28, 2020

Analyte Comments:

QC Batch: 368309

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

- 101220008 (Lab ID: 40216446009)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Antimony, Dissolved
 - Vanadium, Dissolved
- 101220009 (Lab ID: 40216446010)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Antimony, Dissolved
 - Vanadium, Dissolved
- 101220010 (Lab ID: 40216446011)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Iron, Dissolved
 - Nickel, Dissolved
 - Antimony, Dissolved
 - Vanadium, Dissolved
 - Zinc, Dissolved
- 101220011 (Lab ID: 40216446012)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Antimony, Dissolved
 - Vanadium, Dissolved
 - Zinc, Dissolved
- 101220012 (Lab ID: 40216446013)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Nickel, Dissolved
 - Antimony, Dissolved
 - Zinc, Dissolved
- 101220013 (Lab ID: 40216446014)
 - 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: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Method: EPA 6020

Description: 6020 MET ICPMS, Dissolved

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

Date: October 28, 2020

Analyte Comments:

QC Batch: 368309

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

- 101320015 (Lab ID: 40216446017)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Nickel, Dissolved
 - Antimony, Dissolved
 - Vanadium, Dissolved
 - Zinc, Dissolved
- 101320016 (Lab ID: 40216446018)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Nickel, Dissolved
 - Antimony, Dissolved
 - Vanadium, Dissolved
 - Zinc, Dissolved
- 101320017 (Lab ID: 40216446019)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Nickel, Dissolved
 - Antimony, Dissolved
 - Zinc, Dissolved
- 101320018 (Lab ID: 40216446020)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Nickel, Dissolved
 - Antimony, Dissolved
 - Vanadium, Dissolved
 - Zinc, Dissolved
- 101320019 (Lab ID: 40216446021)
 - Silver, Dissolved
 - Aluminum, Dissolved
 - Copper, Dissolved
 - Nickel, Dissolved
 - Antimony, Dissolved
 - Vanadium, Dissolved
 - Zinc, Dissolved

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PROJECT NARRATIVE

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Method: EPA 8270 by HVI

Description: 8270 MSSV PAH by HVI

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

Date: October 28, 2020

General Information:

27 samples were analyzed for EPA 8270 by HVI 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: 368319

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

- 101220004 (Lab ID: 40216446004)
 - 2-Fluorobiphenyl (S)
 - Terphenyl-d14 (S)
- MS (Lab ID: 2129181)
 - 2-Fluorobiphenyl (S)
 - Terphenyl-d14 (S)
- MSD (Lab ID: 2129182)
 - 2-Fluorobiphenyl (S)
 - Terphenyl-d14 (S)

QC Batch: 368477

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

- 101320018 (Lab ID: 40216446020)
 - 2-Fluorobiphenyl (S)
 - Terphenyl-d14 (S)
- 101320019 (Lab ID: 40216446021)
 - 2-Fluorobiphenyl (S)
 - Terphenyl-d14 (S)
- 101320021 (Lab ID: 40216446027)
 - 2-Fluorobiphenyl (S)

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PROJECT NARRATIVE

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Method: EPA 8270 by HVI

Description: 8270 MSSV PAH by HVI

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

Date: October 28, 2020

QC Batch: 368477

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

- Terphenyl-d14 (S)
- 101320022 (Lab ID: 40216446028)
 - 2-Fluorobiphenyl (S)
 - Terphenyl-d14 (S)
- 101320023 (Lab ID: 40216446029)
 - 2-Fluorobiphenyl (S)
 - Terphenyl-d14 (S)
- 101320024 (Lab ID: 40216446030)
 - 2-Fluorobiphenyl (S)
 - Terphenyl-d14 (S)
- 101320025 (Lab ID: 40216446031)
 - 2-Fluorobiphenyl (S)
 - Terphenyl-d14 (S)

Method Blank:

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

QC Batch: 368319

B: Analyte was detected in the associated method blank.

- BLANK for HBN 368319 [OEXT/473 (Lab ID: 2129179)
 - Phenanthrene

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: 368319

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40216446004

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

- MS (Lab ID: 2129181)
 - Naphthalene
- MSD (Lab ID: 2129182)
 - Naphthalene

QC Batch: 368607

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40216753003

R1: RPD value was outside control limits.

- MSD (Lab ID: 2131372)
 - Benzo(g,h,i)perylene

Additional Comments:

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PROJECT NARRATIVE

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Method: EPA 8260

Description: 8260 MSV UST

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

Date: October 28, 2020

General Information:

32 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.

QC Batch: 368483

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40216446004

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

- MSD (Lab ID: 2130192)
 - Benzene

Additional Comments:

Analyte Comments:

QC Batch: 368483

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MS (Lab ID: 2130191)
 - Benzene

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PROJECT NARRATIVE

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Method: EPA 8260

Description: 8260 MSV UST

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

Date: October 28, 2020

Analyte Comments:

QC Batch: 368570

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

- 101320018 (Lab ID: 40216446020)
 - Dibromofluoromethane (S)
- 101320019 (Lab ID: 40216446021)
 - Dibromofluoromethane (S)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Method: EPA 300.0

Description: 300.0 IC Anions

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

Date: October 28, 2020

General Information:

20 samples were analyzed for EPA 300.0 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Additional Comments:

Analyte Comments:

QC Batch: 369042

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

- 101220012 (Lab ID: 40216446013)
 - Sulfate
- 101220013 (Lab ID: 40216446014)
 - Sulfate
- 101320015 (Lab ID: 40216446017)
 - Sulfate
- 101320016 (Lab ID: 40216446018)
 - Sulfate
- 101320018 (Lab ID: 40216446020)
 - Sulfate
- 101320019 (Lab ID: 40216446021)
 - Sulfate

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PROJECT NARRATIVE

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Method: EPA 310.2

Description: 310.2 Alkalinity

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

Date: October 28, 2020

General Information:

20 samples were analyzed for EPA 310.2 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Method: EPA 353.2

Description: 353.2 Nitrogen, NO₂/NO₃ pres.

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

Date: October 28, 2020

General Information:

20 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: 368491

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40216446021,40216532009

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

- MS (Lab ID: 2130208)
 - Nitrogen, NO₂ plus NO₃
- MSD (Lab ID: 2130209)
 - Nitrogen, NO₂ plus NO₃

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Sample: 101220001 **Lab ID: 40216446001** Collected: 10/12/20 11:15 Received: 10/13/20 17:14 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	<0.66	ug/L	2.8	0.66	1		10/19/20 12:18	74-82-8	
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	10/15/20 06:28	10/23/20 11:45	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/15/20 06:28	10/23/20 11:45	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/15/20 06:28	10/23/20 11:45	7440-50-8	D3
Iron, Dissolved	<116	ug/L	500	116	2	10/15/20 06:28	10/23/20 11:45	7439-89-6	D3
Manganese, Dissolved	<2.4	ug/L	8.1	2.4	2	10/15/20 06:28	10/23/20 11:45	7439-96-5	D3
Nickel, Dissolved	1.6J	ug/L	2.0	0.57	2	10/15/20 06:28	10/23/20 11:45	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/15/20 06:28	10/23/20 11:45	7440-22-4	D3
Vanadium, Dissolved	<0.63	ug/L	2.1	0.63	2	10/15/20 06:28	10/23/20 11:45	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/15/20 06:28	10/23/20 11:45	7440-66-6	D3
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	<0.011	ug/L	0.053	0.011	1	10/15/20 08:30	10/16/20 08:40	120-12-7	
Benzo(a)pyrene	<0.011	ug/L	0.054	0.011	1	10/15/20 08:30	10/16/20 08:40	50-32-8	
Benzo(b)fluoranthene	<0.0059	ug/L	0.029	0.0059	1	10/15/20 08:30	10/16/20 08:40	205-99-2	
Benzo(g,h,i)perylene	<0.0069	ug/L	0.035	0.0069	1	10/15/20 08:30	10/16/20 08:40	191-24-2	
Chrysene	<0.013	ug/L	0.067	0.013	1	10/15/20 08:30	10/16/20 08:40	218-01-9	
Fluoranthene	<0.011	ug/L	0.054	0.011	1	10/15/20 08:30	10/16/20 08:40	206-44-0	
Fluorene	<0.0081	ug/L	0.041	0.0081	1	10/15/20 08:30	10/16/20 08:40	86-73-7	
Naphthalene	0.021J	ug/L	0.094	0.019	1	10/15/20 08:30	10/16/20 08:40	91-20-3	
Phenanthrene	<0.014	ug/L	0.070	0.014	1	10/15/20 08:30	10/16/20 08:40	85-01-8	
Pyrene	<0.0078	ug/L	0.039	0.0078	1	10/15/20 08:30	10/16/20 08:40	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	55	%	39-120		1	10/15/20 08:30	10/16/20 08:40	321-60-8	
Terphenyl-d14 (S)	83	%	10-159		1	10/15/20 08:30	10/16/20 08:40	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		10/16/20 22:36	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/16/20 22:36	100-41-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/16/20 22:36	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/16/20 22:36	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/16/20 22:36	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/16/20 22:36	95-47-6	
Surrogates									
Dibromofluoromethane (S)	103	%	70-130		1		10/16/20 22:36	1868-53-7	
Toluene-d8 (S)	111	%	70-130		1		10/16/20 22:36	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1		10/16/20 22:36	460-00-4	

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Sample: 101220001 Lab ID: 40216446001 Collected: 10/12/20 11:15 Received: 10/13/20 17:14 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	72.9	mg/L	10.0	2.2	5		10/23/20 13:38	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	329	mg/L	24.8	7.4	1		10/23/20 12:09		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	5.1	mg/L	0.25	0.059	1		10/16/20 12:04		

Sample: 101220002 Lab ID: 40216446002 Collected: 10/12/20 11:46 Received: 10/13/20 17:14 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	5.3	ug/L	2.8	0.66	1		10/19/20 12:25	74-82-8	B
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	10/15/20 06:28	10/23/20 12:12	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/15/20 06:28	10/23/20 12:12	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/15/20 06:28	10/23/20 12:12	7440-50-8	D3
Iron, Dissolved	201J	ug/L	500	116	2	10/15/20 06:28	10/23/20 12:12	7439-89-6	D3
Manganese, Dissolved	<2.4	ug/L	8.1	2.4	2	10/15/20 06:28	10/23/20 12:12	7439-96-5	D3
Nickel, Dissolved	2.5	ug/L	2.0	0.57	2	10/15/20 06:28	10/23/20 12:12	7440-02-0	
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/15/20 06:28	10/23/20 12:12	7440-22-4	D3
Vanadium, Dissolved	<0.63	ug/L	2.1	0.63	2	10/15/20 06:28	10/23/20 12:12	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/15/20 06:28	10/23/20 12:12	7440-66-6	D3
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	0.10	ug/L	0.053	0.011	1	10/15/20 08:30	10/16/20 08:59	120-12-7	
Benzo(a)pyrene	0.33	ug/L	0.054	0.011	1	10/15/20 08:30	10/16/20 08:59	50-32-8	
Benzo(b)fluoranthene	0.39	ug/L	0.029	0.0059	1	10/15/20 08:30	10/16/20 08:59	205-99-2	
Benzo(g,h,i)perylene	0.25	ug/L	0.035	0.0069	1	10/15/20 08:30	10/16/20 08:59	191-24-2	
Chrysene	0.24	ug/L	0.067	0.013	1	10/15/20 08:30	10/16/20 08:59	218-01-9	
Fluoranthene	0.31	ug/L	0.054	0.011	1	10/15/20 08:30	10/16/20 08:59	206-44-0	
Fluorene	<0.0081	ug/L	0.041	0.0081	1	10/15/20 08:30	10/16/20 08:59	86-73-7	
Naphthalene	0.044J	ug/L	0.094	0.019	1	10/15/20 08:30	10/16/20 08:59	91-20-3	
Phenanthrene	0.060J	ug/L	0.070	0.014	1	10/15/20 08:30	10/16/20 08:59	85-01-8	B
Pyrene	0.30	ug/L	0.039	0.0078	1	10/15/20 08:30	10/16/20 08:59	129-00-0	

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Sample: 101220002 Lab ID: 40216446002 Collected: 10/12/20 11:46 Received: 10/13/20 17:14 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Surrogates									
2-Fluorobiphenyl (S)	62	%	39-120		1	10/15/20 08:30	10/16/20 08:59	321-60-8	
Terphenyl-d14 (S)	86	%	10-159		1	10/15/20 08:30	10/16/20 08:59	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		10/16/20 12:20	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/16/20 12:20	100-41-4	
Toluene	2.1	ug/L	1.0	0.27	1		10/16/20 12:20	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/16/20 12:20	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/16/20 12:20	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/16/20 12:20	95-47-6	
Surrogates									
Dibromofluoromethane (S)	95	%	70-130		1		10/16/20 12:20	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/16/20 12:20	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		1		10/16/20 12:20	460-00-4	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	80.4	mg/L	10.0	2.2	5		10/23/20 14:38	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	267	mg/L	24.8	7.4	1		10/23/20 12:11		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	4.6	mg/L	0.25	0.059	1		10/16/20 12:04		

Sample: 101220003 Lab ID: 40216446003 Collected: 10/12/20 12:11 Received: 10/13/20 17:14 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	11.3	ug/L	2.8	0.66	1		10/19/20 12:32	74-82-8	
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	10/15/20 06:28	10/23/20 12:19	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/15/20 06:28	10/23/20 12:19	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/15/20 06:28	10/23/20 12:19	7440-50-8	D3
Iron, Dissolved	806	ug/L	500	116	2	10/15/20 06:28	10/23/20 12:19	7439-89-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Sample: 101220003 **Lab ID: 40216446003** Collected: 10/12/20 12:11 Received: 10/13/20 17:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Manganese, Dissolved	699	ug/L	8.1	2.4	2	10/15/20 06:28	10/23/20 12:19	7439-96-5	
Nickel, Dissolved	0.99J	ug/L	2.0	0.57	2	10/15/20 06:28	10/23/20 12:19	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/15/20 06:28	10/23/20 12:19	7440-22-4	D3
Vanadium, Dissolved	<0.63	ug/L	2.1	0.63	2	10/15/20 06:28	10/23/20 12:19	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/15/20 06:28	10/23/20 12:19	7440-66-6	D3
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Anthracene	<0.011	ug/L	0.054	0.011	1	10/15/20 08:30	10/16/20 09:18	120-12-7	
Benzo(a)pyrene	<0.011	ug/L	0.055	0.011	1	10/15/20 08:30	10/16/20 09:18	50-32-8	
Benzo(b)fluoranthene	<0.0060	ug/L	0.030	0.0060	1	10/15/20 08:30	10/16/20 09:18	205-99-2	
Benzo(g,h,i)perylene	<0.0071	ug/L	0.035	0.0071	1	10/15/20 08:30	10/16/20 09:18	191-24-2	
Chrysene	<0.014	ug/L	0.068	0.014	1	10/15/20 08:30	10/16/20 09:18	218-01-9	
Fluoranthene	0.017J	ug/L	0.056	0.011	1	10/15/20 08:30	10/16/20 09:18	206-44-0	
Fluorene	<0.0083	ug/L	0.042	0.0083	1	10/15/20 08:30	10/16/20 09:18	86-73-7	
Naphthalene	0.020J	ug/L	0.095	0.019	1	10/15/20 08:30	10/16/20 09:18	91-20-3	
Phenanthrene	0.020J	ug/L	0.072	0.014	1	10/15/20 08:30	10/16/20 09:18	85-01-8	B
Pyrene	0.023J	ug/L	0.040	0.0080	1	10/15/20 08:30	10/16/20 09:18	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%	39-120		1	10/15/20 08:30	10/16/20 09:18	321-60-8	
Terphenyl-d14 (S)	80	%	10-159		1	10/15/20 08:30	10/16/20 09:18	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		10/16/20 12:42	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/16/20 12:42	100-41-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/16/20 12:42	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/16/20 12:42	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/16/20 12:42	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/16/20 12:42	95-47-6	
Surrogates									
Dibromofluoromethane (S)	95	%	70-130		1		10/16/20 12:42	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		10/16/20 12:42	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		10/16/20 12:42	460-00-4	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	75.4	mg/L	10.0	2.2	5		10/23/20 14:52	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	265	mg/L	24.8	7.4	1		10/23/20 12:12		

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Sample: 101220003 Lab ID: 40216446003 Collected: 10/12/20 12:11 Received: 10/13/20 17:14 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		10/16/20 12:05		

Sample: 101220004 Lab ID: 40216446004 Collected: 10/12/20 12:11 Received: 10/13/20 17:14 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	1980	ug/L	28.0	6.6	10		10/19/20 15:20	74-82-8	M1
6020 MET ICPMS, Dissolved Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	10/15/20 06:28	10/23/20 11:18	7429-90-5	D3
Antimony, Dissolved	1.2J	ug/L	2.0	0.30	2	10/15/20 06:28	10/23/20 11:18	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/15/20 06:28	10/23/20 11:18	7440-50-8	D3
Iron, Dissolved	1830	ug/L	500	116	2	10/15/20 06:28	10/23/20 11:18	7439-89-6	
Manganese, Dissolved	1290	ug/L	8.1	2.4	2	10/15/20 06:28	10/23/20 11:18	7439-96-5	
Nickel, Dissolved	2.3	ug/L	2.0	0.57	2	10/15/20 06:28	10/23/20 11:18	7440-02-0	
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/15/20 06:28	10/23/20 11:18	7440-22-4	D3
Vanadium, Dissolved	5.1	ug/L	2.1	0.63	2	10/15/20 06:28	10/23/20 11:18	7440-62-2	
Zinc, Dissolved	26.6J	ug/L	68.9	20.7	2	10/15/20 06:28	10/23/20 11:18	7440-66-6	D3

8270 MSSV PAH by HVI Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	0.39J	ug/L	1.1	0.21	20	10/15/20 08:30	10/15/20 17:13	120-12-7	
Benzo(a)pyrene	<0.21	ug/L	1.1	0.21	20	10/15/20 08:30	10/15/20 17:13	50-32-8	
Benzo(b)fluoranthene	<0.12	ug/L	0.58	0.12	20	10/15/20 08:30	10/15/20 17:13	205-99-2	
Benzo(g,h,i)perylene	<0.14	ug/L	0.68	0.14	20	10/15/20 08:30	10/15/20 17:13	191-24-2	
Chrysene	<0.26	ug/L	1.3	0.26	20	10/15/20 08:30	10/15/20 17:13	218-01-9	
Fluoranthene	0.23J	ug/L	1.1	0.22	20	10/15/20 08:30	10/15/20 17:13	206-44-0	
Fluorene	0.77J	ug/L	0.81	0.16	20	10/15/20 08:30	10/15/20 17:13	86-73-7	
Naphthalene	172	ug/L	1.9	0.37	20	10/15/20 08:30	10/15/20 17:13	91-20-3	M6
Phenanthrene	1.0J	ug/L	1.4	0.28	20	10/15/20 08:30	10/15/20 17:13	85-01-8	B
Pyrene	0.23J	ug/L	0.77	0.15	20	10/15/20 08:30	10/15/20 17:13	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	0	%	39-120		20	10/15/20 08:30	10/15/20 17:13	321-60-8	S4
Terphenyl-d14 (S)	0	%	10-159		20	10/15/20 08:30	10/15/20 17:13	1718-51-0	S4

8260 MSV UST Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	266	ug/L	1.0	0.25	1		10/16/20 11:57	71-43-2	M1
Ethylbenzene	35.6	ug/L	1.1	0.32	1		10/16/20 11:57	100-41-4	
Toluene	90.9	ug/L	1.0	0.27	1		10/16/20 11:57	108-88-3	

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Sample: 101220004 **Lab ID: 40216446004** Collected: 10/12/20 12:11 Received: 10/13/20 17:14 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)	96.9	ug/L	3.0	1.5	1		10/16/20 11:57	1330-20-7	
m&p-Xylene	60.3	ug/L	2.0	0.47	1		10/16/20 11:57	179601-23-1	
o-Xylene	36.6	ug/L	1.0	0.26	1		10/16/20 11:57	95-47-6	
Surrogates									
Dibromofluoromethane (S)	96	%	70-130		1		10/16/20 11:57	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		10/16/20 11:57	2037-26-5	
4-Bromofluorobenzene (S)	104	%	70-130		1		10/16/20 11:57	460-00-4	

300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	44.0	mg/L	20.0	4.4	10		10/23/20 15:07	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	362	mg/L	124	37.2	5		10/23/20 12:13		
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		10/16/20 12:06		

Sample: 101220005 **Lab ID: 40216446005** Collected: 10/12/20 13:32 Received: 10/13/20 17:14 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	492	ug/L	5.6	1.3	2		10/19/20 15:50	74-82-8	
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	10/15/20 06:28	10/23/20 12:26	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/15/20 06:28	10/23/20 12:26	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/15/20 06:28	10/23/20 12:26	7440-50-8	D3
Iron, Dissolved	8600	ug/L	500	116	2	10/15/20 06:28	10/23/20 12:26	7439-89-6	
Manganese, Dissolved	2850	ug/L	8.1	2.4	2	10/15/20 06:28	10/23/20 12:26	7439-96-5	
Nickel, Dissolved	12.4	ug/L	2.0	0.57	2	10/15/20 06:28	10/23/20 12:26	7440-02-0	
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/15/20 06:28	10/23/20 12:26	7440-22-4	D3
Vanadium, Dissolved	2.5	ug/L	2.1	0.63	2	10/15/20 06:28	10/23/20 12:26	7440-62-2	
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/15/20 06:28	10/23/20 12:26	7440-66-6	D3
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	0.032J	ug/L	0.053	0.011	1	10/15/20 08:30	10/16/20 09:36	120-12-7	

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Sample: 101220005 **Lab ID: 40216446005** Collected: 10/12/20 13:32 Received: 10/13/20 17:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.011	ug/L	0.053	0.011	1	10/15/20 08:30	10/16/20 09:36	50-32-8	
Benzo(b)fluoranthene	0.018J	ug/L	0.029	0.0058	1	10/15/20 08:30	10/16/20 09:36	205-99-2	
Benzo(g,h,i)perylene	0.011J	ug/L	0.034	0.0068	1	10/15/20 08:30	10/16/20 09:36	191-24-2	
Chrysene	<0.013	ug/L	0.066	0.013	1	10/15/20 08:30	10/16/20 09:36	218-01-9	
Fluoranthene	0.013J	ug/L	0.054	0.011	1	10/15/20 08:30	10/16/20 09:36	206-44-0	
Fluorene	<0.0081	ug/L	0.040	0.0081	1	10/15/20 08:30	10/16/20 09:36	86-73-7	
Naphthalene	<0.019	ug/L	0.093	0.019	1	10/15/20 08:30	10/16/20 09:36	91-20-3	
Phenanthrene	<0.014	ug/L	0.070	0.014	1	10/15/20 08:30	10/16/20 09:36	85-01-8	
Pyrene	0.038J	ug/L	0.039	0.0077	1	10/15/20 08:30	10/16/20 09:36	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	59	%	39-120		1	10/15/20 08:30	10/16/20 09:36	321-60-8	
Terphenyl-d14 (S)	79	%	10-159		1	10/15/20 08:30	10/16/20 09:36	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		10/16/20 13:04	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/16/20 13:04	100-41-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/16/20 13:04	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/16/20 13:04	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/16/20 13:04	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/16/20 13:04	95-47-6	
Surrogates									
Dibromofluoromethane (S)	94	%	70-130		1		10/16/20 13:04	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		10/16/20 13:04	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		1		10/16/20 13:04	460-00-4	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	38.4	mg/L	10.0	2.2	5		10/23/20 20:55	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	463	mg/L	124	37.2	5		10/23/20 12:19		
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		10/16/20 12:08		

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Sample: 101220006 **Lab ID: 40216446006** Collected: 10/12/20 14:01 Received: 10/13/20 17:14 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	3870	ug/L	70.0	16.6	25		10/19/20 15:57	74-82-8	
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Aluminum, Dissolved	194J	ug/L	500	117	2	10/15/20 06:28	10/23/20 12:33	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/15/20 06:28	10/23/20 12:33	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/15/20 06:28	10/23/20 12:33	7440-50-8	D3
Iron, Dissolved	8730	ug/L	500	116	2	10/15/20 06:28	10/23/20 12:33	7439-89-6	
Manganese, Dissolved	511	ug/L	8.1	2.4	2	10/15/20 06:28	10/23/20 12:33	7439-96-5	
Nickel, Dissolved	1.6J	ug/L	2.0	0.57	2	10/15/20 06:28	10/23/20 12:33	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/15/20 06:28	10/23/20 12:33	7440-22-4	D3
Vanadium, Dissolved	2.3	ug/L	2.1	0.63	2	10/15/20 06:28	10/23/20 12:33	7440-62-2	
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/15/20 06:28	10/23/20 12:33	7440-66-6	D3
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	0.022J	ug/L	0.054	0.011	1	10/15/20 08:30	10/16/20 09:55	120-12-7	
Benzo(a)pyrene	0.053J	ug/L	0.055	0.011	1	10/15/20 08:30	10/16/20 09:55	50-32-8	
Benzo(b)fluoranthene	0.088	ug/L	0.030	0.0060	1	10/15/20 08:30	10/16/20 09:55	205-99-2	
Benzo(g,h,i)perylene	0.056	ug/L	0.035	0.0071	1	10/15/20 08:30	10/16/20 09:55	191-24-2	
Chrysene	0.058J	ug/L	0.068	0.014	1	10/15/20 08:30	10/16/20 09:55	218-01-9	
Fluoranthene	0.097	ug/L	0.056	0.011	1	10/15/20 08:30	10/16/20 09:55	206-44-0	
Fluorene	0.019J	ug/L	0.042	0.0083	1	10/15/20 08:30	10/16/20 09:55	86-73-7	
Naphthalene	<0.019	ug/L	0.095	0.019	1	10/15/20 08:30	10/16/20 09:55	91-20-3	
Phenanthrene	0.028J	ug/L	0.072	0.014	1	10/15/20 08:30	10/16/20 09:55	85-01-8	B
Pyrene	0.11	ug/L	0.040	0.0080	1	10/15/20 08:30	10/16/20 09:55	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	57	%	39-120		1	10/15/20 08:30	10/16/20 09:55	321-60-8	
Terphenyl-d14 (S)	81	%	10-159		1	10/15/20 08:30	10/16/20 09:55	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		10/16/20 14:57	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/16/20 14:57	100-41-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/16/20 14:57	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/16/20 14:57	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/16/20 14:57	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/16/20 14:57	95-47-6	
Surrogates									
Dibromofluoromethane (S)	94	%	70-130		1		10/16/20 14:57	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		10/16/20 14:57	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		10/16/20 14:57	460-00-4	

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Sample: 101220006 Lab ID: 40216446006 Collected: 10/12/20 14:01 Received: 10/13/20 17:14 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	40.9	mg/L	10.0	2.2	5		10/23/20 22:21	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	373	mg/L	124	37.2	5		10/23/20 12:20		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.22J	mg/L	0.25	0.059	1		10/16/20 12:10		

Sample: TB-01 Lab ID: 40216446007 Collected: 10/12/20 00:00 Received: 10/13/20 17:14 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	<0.25	ug/L	1.0	0.25	1		10/16/20 11:35	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/16/20 11:35	100-41-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/16/20 11:35	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/16/20 11:35	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/16/20 11:35	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/16/20 11:35	95-47-6	
Surrogates									
Dibromofluoromethane (S)	95	%	70-130		1		10/16/20 11:35	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/16/20 11:35	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		1		10/16/20 11:35	460-00-4	

Sample: 101220007 Lab ID: 40216446008 Collected: 10/12/20 14:36 Received: 10/13/20 17:14 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	1.1J	ug/L	2.8	0.66	1		10/19/20 12:59	74-82-8	B
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	10/15/20 06:28	10/23/20 12:39	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/15/20 06:28	10/23/20 12:39	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/15/20 06:28	10/23/20 12:39	7440-50-8	D3
Iron, Dissolved	<116	ug/L	500	116	2	10/15/20 06:28	10/23/20 12:39	7439-89-6	D3

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Sample: 101220007 **Lab ID: 40216446008** Collected: 10/12/20 14:36 Received: 10/13/20 17:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Manganese, Dissolved	553	ug/L	8.1	2.4	2	10/15/20 06:28	10/23/20 12:39	7439-96-5	
Nickel, Dissolved	2.2	ug/L	2.0	0.57	2	10/15/20 06:28	10/23/20 12:39	7440-02-0	
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/15/20 06:28	10/23/20 12:39	7440-22-4	D3
Vanadium, Dissolved	<0.63	ug/L	2.1	0.63	2	10/15/20 06:28	10/23/20 12:39	7440-62-2	D3
Zinc, Dissolved	80.9	ug/L	68.9	20.7	2	10/15/20 06:28	10/23/20 12:39	7440-66-6	
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	<0.011	ug/L	0.054	0.011	1	10/15/20 08:30	10/16/20 10:13	120-12-7	
Benzo(a)pyrene	<0.011	ug/L	0.055	0.011	1	10/15/20 08:30	10/16/20 10:13	50-32-8	
Benzo(b)fluoranthene	<0.0060	ug/L	0.030	0.0060	1	10/15/20 08:30	10/16/20 10:13	205-99-2	
Benzo(g,h,i)perylene	<0.0071	ug/L	0.035	0.0071	1	10/15/20 08:30	10/16/20 10:13	191-24-2	
Chrysene	<0.014	ug/L	0.068	0.014	1	10/15/20 08:30	10/16/20 10:13	218-01-9	
Fluoranthene	<0.011	ug/L	0.056	0.011	1	10/15/20 08:30	10/16/20 10:13	206-44-0	
Fluorene	<0.0083	ug/L	0.042	0.0083	1	10/15/20 08:30	10/16/20 10:13	86-73-7	
Naphthalene	<0.019	ug/L	0.095	0.019	1	10/15/20 08:30	10/16/20 10:13	91-20-3	
Phenanthrene	<0.014	ug/L	0.072	0.014	1	10/15/20 08:30	10/16/20 10:13	85-01-8	
Pyrene	<0.0080	ug/L	0.040	0.0080	1	10/15/20 08:30	10/16/20 10:13	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	59	%	39-120		1	10/15/20 08:30	10/16/20 10:13	321-60-8	
Terphenyl-d14 (S)	95	%	10-159		1	10/15/20 08:30	10/16/20 10:13	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		10/16/20 15:19	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/16/20 15:19	100-41-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/16/20 15:19	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/16/20 15:19	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/16/20 15:19	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/16/20 15:19	95-47-6	
Surrogates									
Dibromofluoromethane (S)	95	%	70-130		1		10/16/20 15:19	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		10/16/20 15:19	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		1		10/16/20 15:19	460-00-4	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	105	mg/L	10.0	2.2	5		10/23/20 22:35	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	243	mg/L	24.8	7.4	1		10/23/20 12:22		

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Sample: 101220007 **Lab ID: 40216446008** Collected: 10/12/20 14:36 Received: 10/13/20 17:14 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	3.7	mg/L	0.25	0.059	1		10/16/20 12:11		

Sample: 101220008 **Lab ID: 40216446009** Collected: 10/12/20 15:09 Received: 10/13/20 17:14 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	220	ug/L	2.8	0.66	1		10/19/20 13:06	74-82-8	
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	10/15/20 06:28	10/23/20 12:46	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/15/20 06:28	10/23/20 12:46	7440-36-0	D3
Copper, Dissolved	8.0J	ug/L	12.7	3.8	2	10/15/20 06:28	10/23/20 12:46	7440-50-8	D3
Iron, Dissolved	1480	ug/L	500	116	2	10/15/20 06:28	10/23/20 12:46	7439-89-6	
Manganese, Dissolved	2930	ug/L	8.1	2.4	2	10/15/20 06:28	10/23/20 12:46	7439-96-5	
Nickel, Dissolved	17.4	ug/L	2.0	0.57	2	10/15/20 06:28	10/23/20 12:46	7440-02-0	
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/15/20 06:28	10/23/20 12:46	7440-22-4	D3
Vanadium, Dissolved	<0.63	ug/L	2.1	0.63	2	10/15/20 06:28	10/23/20 12:46	7440-62-2	D3
Zinc, Dissolved	136	ug/L	68.9	20.7	2	10/15/20 06:28	10/23/20 12:46	7440-66-6	

8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	<0.011	ug/L	0.053	0.011	1	10/15/20 08:30	10/16/20 10:32	120-12-7	
Benzo(a)pyrene	<0.011	ug/L	0.054	0.011	1	10/15/20 08:30	10/16/20 10:32	50-32-8	
Benzo(b)fluoranthene	<0.0059	ug/L	0.029	0.0059	1	10/15/20 08:30	10/16/20 10:32	205-99-2	
Benzo(g,h,i)perylene	<0.0069	ug/L	0.035	0.0069	1	10/15/20 08:30	10/16/20 10:32	191-24-2	
Chrysene	<0.013	ug/L	0.067	0.013	1	10/15/20 08:30	10/16/20 10:32	218-01-9	
Fluoranthene	<0.011	ug/L	0.054	0.011	1	10/15/20 08:30	10/16/20 10:32	206-44-0	
Fluorene	<0.0081	ug/L	0.041	0.0081	1	10/15/20 08:30	10/16/20 10:32	86-73-7	
Naphthalene	<0.019	ug/L	0.094	0.019	1	10/15/20 08:30	10/16/20 10:32	91-20-3	
Phenanthrene	<0.014	ug/L	0.070	0.014	1	10/15/20 08:30	10/16/20 10:32	85-01-8	
Pyrene	<0.0078	ug/L	0.039	0.0078	1	10/15/20 08:30	10/16/20 10:32	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	54	%	39-120		1	10/15/20 08:30	10/16/20 10:32	321-60-8	
Terphenyl-d14 (S)	77	%	10-159		1	10/15/20 08:30	10/16/20 10:32	1718-51-0	

8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		10/16/20 15:42	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/16/20 15:42	100-41-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/16/20 15:42	108-88-3	

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Sample: 101220008 **Lab ID: 40216446009** Collected: 10/12/20 15:09 Received: 10/13/20 17:14 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)	<1.5	ug/L	3.0	1.5	1		10/16/20 15:42	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/16/20 15:42	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/16/20 15:42	95-47-6	
Surrogates									
Dibromofluoromethane (S)	95	%	70-130		1		10/16/20 15:42	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/16/20 15:42	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		1		10/16/20 15:42	460-00-4	

300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	219	mg/L	10.0	2.2	5		10/23/20 22:49	14808-79-8	

310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	669	mg/L	124	37.2	5		10/23/20 12:23		

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		10/16/20 12:12		

Sample: 101220009 **Lab ID: 40216446010** Collected: 10/12/20 15:14 Received: 10/13/20 17:14 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	237	ug/L	2.8	0.66	1		10/19/20 13:13	74-82-8	
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	10/15/20 06:28	10/23/20 12:53	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/15/20 06:28	10/23/20 12:53	7440-36-0	D3
Copper, Dissolved	8.2J	ug/L	12.7	3.8	2	10/15/20 06:28	10/23/20 12:53	7440-50-8	D3
Iron, Dissolved	1420	ug/L	500	116	2	10/15/20 06:28	10/23/20 12:53	7439-89-6	
Manganese, Dissolved	2930	ug/L	8.1	2.4	2	10/15/20 06:28	10/23/20 12:53	7439-96-5	
Nickel, Dissolved	17.2	ug/L	2.0	0.57	2	10/15/20 06:28	10/23/20 12:53	7440-02-0	
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/15/20 06:28	10/23/20 12:53	7440-22-4	D3
Vanadium, Dissolved	<0.63	ug/L	2.1	0.63	2	10/15/20 06:28	10/23/20 12:53	7440-62-2	D3
Zinc, Dissolved	137	ug/L	68.9	20.7	2	10/15/20 06:28	10/23/20 12:53	7440-66-6	

8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Anthracene	<0.010	ug/L	0.051	0.010	1	10/19/20 12:30	10/20/20 17:38	120-12-7	

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Sample: 101220009 **Lab ID: 40216446010** Collected: 10/12/20 15:14 Received: 10/13/20 17:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.010	ug/L	0.051	0.010	1	10/19/20 12:30	10/20/20 17:38	50-32-8	
Benzo(b)fluoranthene	<0.0056	ug/L	0.028	0.0056	1	10/19/20 12:30	10/20/20 17:38	205-99-2	
Benzo(g,h,i)perylene	<0.0066	ug/L	0.033	0.0066	1	10/19/20 12:30	10/20/20 17:38	191-24-2	
Chrysene	<0.013	ug/L	0.063	0.013	1	10/19/20 12:30	10/20/20 17:38	218-01-9	
Fluoranthene	<0.010	ug/L	0.052	0.010	1	10/19/20 12:30	10/20/20 17:38	206-44-0	
Fluorene	<0.0077	ug/L	0.039	0.0077	1	10/19/20 12:30	10/20/20 17:38	86-73-7	
Naphthalene	<0.018	ug/L	0.089	0.018	1	10/19/20 12:30	10/20/20 17:38	91-20-3	
Phenanthrene	<0.013	ug/L	0.067	0.013	1	10/19/20 12:30	10/20/20 17:38	85-01-8	
Pyrene	<0.0074	ug/L	0.037	0.0074	1	10/19/20 12:30	10/20/20 17:38	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	46	%	39-120		1	10/19/20 12:30	10/20/20 17:38	321-60-8	
Terphenyl-d14 (S)	79	%	10-159		1	10/19/20 12:30	10/20/20 17:38	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		10/16/20 16:04	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/16/20 16:04	100-41-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/16/20 16:04	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/16/20 16:04	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/16/20 16:04	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/16/20 16:04	95-47-6	
Surrogates									
Dibromofluoromethane (S)	96	%	70-130		1		10/16/20 16:04	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		10/16/20 16:04	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		1		10/16/20 16:04	460-00-4	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	219	mg/L	10.0	2.2	5		10/23/20 23:04	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	679	mg/L	124	37.2	5		10/23/20 12:24		
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		10/16/20 12:12		

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Sample: 101220010 **Lab ID: 40216446011** Collected: 10/12/20 15:43 Received: 10/13/20 17:14 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	9.9	ug/L	2.8	0.66	1		10/19/20 13:20	74-82-8	
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	10/15/20 06:28	10/23/20 13:00	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/15/20 06:28	10/23/20 13:00	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/15/20 06:28	10/23/20 13:00	7440-50-8	D3
Iron, Dissolved	231J	ug/L	500	116	2	10/15/20 06:28	10/23/20 13:00	7439-89-6	D3
Manganese, Dissolved	221	ug/L	8.1	2.4	2	10/15/20 06:28	10/23/20 13:00	7439-96-5	
Nickel, Dissolved	0.98J	ug/L	2.0	0.57	2	10/15/20 06:28	10/23/20 13:00	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/15/20 06:28	10/23/20 13:00	7440-22-4	D3
Vanadium, Dissolved	<0.63	ug/L	2.1	0.63	2	10/15/20 06:28	10/23/20 13:00	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/15/20 06:28	10/23/20 13:00	7440-66-6	D3
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	0.015J	ug/L	0.053	0.011	1	10/15/20 08:30	10/16/20 11:09	120-12-7	
Benzo(a)pyrene	<0.011	ug/L	0.054	0.011	1	10/15/20 08:30	10/16/20 11:09	50-32-8	
Benzo(b)fluoranthene	<0.0059	ug/L	0.029	0.0059	1	10/15/20 08:30	10/16/20 11:09	205-99-2	
Benzo(g,h,i)perylene	<0.0069	ug/L	0.035	0.0069	1	10/15/20 08:30	10/16/20 11:09	191-24-2	
Chrysene	<0.013	ug/L	0.067	0.013	1	10/15/20 08:30	10/16/20 11:09	218-01-9	
Fluoranthene	0.11	ug/L	0.054	0.011	1	10/15/20 08:30	10/16/20 11:09	206-44-0	
Fluorene	0.017J	ug/L	0.041	0.0081	1	10/15/20 08:30	10/16/20 11:09	86-73-7	
Naphthalene	0.022J	ug/L	0.094	0.019	1	10/15/20 08:30	10/16/20 11:09	91-20-3	
Phenanthrene	<0.014	ug/L	0.070	0.014	1	10/15/20 08:30	10/16/20 11:09	85-01-8	
Pyrene	0.10	ug/L	0.039	0.0078	1	10/15/20 08:30	10/16/20 11:09	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	56	%	39-120		1	10/15/20 08:30	10/16/20 11:09	321-60-8	
Terphenyl-d14 (S)	85	%	10-159		1	10/15/20 08:30	10/16/20 11:09	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		10/16/20 18:06	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/16/20 18:06	100-41-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/16/20 18:06	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/16/20 18:06	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/16/20 18:06	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/16/20 18:06	95-47-6	
Surrogates									
Dibromofluoromethane (S)	98	%	70-130		1		10/16/20 18:06	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/16/20 18:06	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		1		10/16/20 18:06	460-00-4	

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Sample: 101220010 Lab ID: 40216446011 Collected: 10/12/20 15:43 Received: 10/13/20 17:14 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	30.4	mg/L	10.0	2.2	5		10/23/20 23:18	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	340	mg/L	24.8	7.4	1		10/23/20 12:25		
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		10/16/20 12:15		

Sample: 101220011 Lab ID: 40216446012 Collected: 10/12/20 16:18 Received: 10/13/20 17:14 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	346	ug/L	14.0	3.3	5		10/22/20 13:57	74-82-8	
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	10/15/20 06:28	10/23/20 13:07	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/15/20 06:28	10/23/20 13:07	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/15/20 06:28	10/23/20 13:07	7440-50-8	D3
Iron, Dissolved	1370	ug/L	500	116	2	10/15/20 06:28	10/23/20 13:07	7439-89-6	
Manganese, Dissolved	831	ug/L	8.1	2.4	2	10/15/20 06:28	10/23/20 13:07	7439-96-5	
Nickel, Dissolved	2.8	ug/L	2.0	0.57	2	10/15/20 06:28	10/23/20 13:07	7440-02-0	
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/15/20 06:28	10/23/20 13:07	7440-22-4	D3
Vanadium, Dissolved	1.8J	ug/L	2.1	0.63	2	10/15/20 06:28	10/23/20 13:07	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/15/20 06:28	10/23/20 13:07	7440-66-6	D3
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	0.059	ug/L	0.054	0.011	1	10/15/20 08:30	10/16/20 11:28	120-12-7	
Benzo(a)pyrene	0.087	ug/L	0.054	0.011	1	10/15/20 08:30	10/16/20 11:28	50-32-8	
Benzo(b)fluoranthene	0.17	ug/L	0.030	0.0059	1	10/15/20 08:30	10/16/20 11:28	205-99-2	
Benzo(g,h,i)perylene	0.087	ug/L	0.035	0.0070	1	10/15/20 08:30	10/16/20 11:28	191-24-2	
Chrysene	0.13	ug/L	0.067	0.013	1	10/15/20 08:30	10/16/20 11:28	218-01-9	
Fluoranthene	0.17	ug/L	0.055	0.011	1	10/15/20 08:30	10/16/20 11:28	206-44-0	
Fluorene	<0.0082	ug/L	0.041	0.0082	1	10/15/20 08:30	10/16/20 11:28	86-73-7	
Naphthalene	<0.019	ug/L	0.094	0.019	1	10/15/20 08:30	10/16/20 11:28	91-20-3	
Phenanthrene	0.043J	ug/L	0.071	0.014	1	10/15/20 08:30	10/16/20 11:28	85-01-8	B
Pyrene	0.18	ug/L	0.039	0.0079	1	10/15/20 08:30	10/16/20 11:28	129-00-0	

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Sample: 101220011 **Lab ID: 40216446012** Collected: 10/12/20 16:18 Received: 10/13/20 17:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Surrogates									
2-Fluorobiphenyl (S)	63	%	39-120		1	10/15/20 08:30	10/16/20 11:28	321-60-8	
Terphenyl-d14 (S)	94	%	10-159		1	10/15/20 08:30	10/16/20 11:28	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		10/16/20 18:28	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/16/20 18:28	100-41-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/16/20 18:28	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/16/20 18:28	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/16/20 18:28	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/16/20 18:28	95-47-6	
Surrogates									
Dibromofluoromethane (S)	98	%	70-130		1		10/16/20 18:28	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/16/20 18:28	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		1		10/16/20 18:28	460-00-4	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	44.5	mg/L	10.0	2.2	5		10/23/20 23:33	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	354	mg/L	124	37.2	5		10/23/20 12:26		
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		10/16/20 12:16		

Sample: 101220012 **Lab ID: 40216446013** Collected: 10/12/20 16:58 Received: 10/13/20 17:14 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	4010	ug/L	70.0	16.6	25		10/22/20 14:04	74-82-8	
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	10/15/20 06:28	10/23/20 16:34	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/15/20 06:28	10/23/20 16:34	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/15/20 06:28	10/23/20 16:34	7440-50-8	D3
Iron, Dissolved	22300	ug/L	500	116	2	10/15/20 06:28	10/23/20 16:34	7439-89-6	

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Sample: 101220012 **Lab ID: 40216446013** Collected: 10/12/20 16:58 Received: 10/13/20 17:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Manganese, Dissolved	874	ug/L	8.1	2.4	2	10/15/20 06:28	10/23/20 16:34	7439-96-5	
Nickel, Dissolved	0.80J	ug/L	2.0	0.57	2	10/15/20 06:28	10/23/20 16:34	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/15/20 06:28	10/23/20 16:34	7440-22-4	D3
Vanadium, Dissolved	3.2	ug/L	2.1	0.63	2	10/15/20 06:28	10/23/20 16:34	7440-62-2	
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/15/20 06:28	10/23/20 16:34	7440-66-6	D3
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Anthracene	<0.11	ug/L	0.56	0.11	10	10/15/20 08:30	10/16/20 12:23	120-12-7	
Benzo(a)pyrene	<0.11	ug/L	0.56	0.11	10	10/15/20 08:30	10/16/20 12:23	50-32-8	
Benzo(b)fluoranthene	<0.061	ug/L	0.31	0.061	10	10/15/20 08:30	10/16/20 12:23	205-99-2	
Benzo(g,h,i)perylene	<0.072	ug/L	0.36	0.072	10	10/15/20 08:30	10/16/20 12:23	191-24-2	
Chrysene	<0.14	ug/L	0.69	0.14	10	10/15/20 08:30	10/16/20 12:23	218-01-9	
Fluoranthene	<0.11	ug/L	0.57	0.11	10	10/15/20 08:30	10/16/20 12:23	206-44-0	
Fluorene	<0.085	ug/L	0.42	0.085	10	10/15/20 08:30	10/16/20 12:23	86-73-7	
Naphthalene	52.0	ug/L	0.97	0.20	10	10/15/20 08:30	10/16/20 12:23	91-20-3	
Phenanthrene	<0.15	ug/L	0.73	0.15	10	10/15/20 08:30	10/16/20 12:23	85-01-8	
Pyrene	0.34J	ug/L	0.41	0.081	10	10/15/20 08:30	10/16/20 12:23	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	63	%	39-120		10	10/15/20 08:30	10/16/20 12:23	321-60-8	
Terphenyl-d14 (S)	82	%	10-159		10	10/15/20 08:30	10/16/20 12:23	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		10/16/20 18:51	71-43-2	
Ethylbenzene	5.4	ug/L	1.1	0.32	1		10/16/20 18:51	100-41-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/16/20 18:51	108-88-3	
Xylene (Total)	49.5	ug/L	3.0	1.5	1		10/16/20 18:51	1330-20-7	
m&p-Xylene	24.3	ug/L	2.0	0.47	1		10/16/20 18:51	179601-23-1	
o-Xylene	25.2	ug/L	1.0	0.26	1		10/16/20 18:51	95-47-6	
Surrogates									
Dibromofluoromethane (S)	104	%	70-130		1		10/16/20 18:51	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/16/20 18:51	2037-26-5	
4-Bromofluorobenzene (S)	108	%	70-130		1		10/16/20 18:51	460-00-4	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	<2.2	mg/L	10.0	2.2	5		10/23/20 23:47	14808-79-8	D3
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	432	mg/L	124	37.2	5		10/23/20 12:27		

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Sample: 101220012 **Lab ID: 40216446013** Collected: 10/12/20 16:58 Received: 10/13/20 17:14 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		10/16/20 12:19		

Sample: 101220013 **Lab ID: 40216446014** Collected: 10/12/20 17:35 Received: 10/13/20 17:14 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	6710	ug/L	140	33.2	50		10/22/20 14:11	74-82-8	
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	10/15/20 06:28	10/23/20 16:41	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/15/20 06:28	10/23/20 16:41	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/15/20 06:28	10/23/20 16:41	7440-50-8	D3
Iron, Dissolved	11200	ug/L	500	116	2	10/15/20 06:28	10/23/20 16:41	7439-89-6	
Manganese, Dissolved	905	ug/L	8.1	2.4	2	10/15/20 06:28	10/23/20 16:41	7439-96-5	
Nickel, Dissolved	0.85J	ug/L	2.0	0.57	2	10/15/20 06:28	10/23/20 16:41	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/15/20 06:28	10/23/20 16:41	7440-22-4	D3
Vanadium, Dissolved	1.8J	ug/L	2.1	0.63	2	10/15/20 06:28	10/23/20 16:41	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/15/20 06:28	10/23/20 16:41	7440-66-6	D3

8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	<0.011	ug/L	0.054	0.011	1	10/15/20 08:30	10/16/20 11:46	120-12-7	
Benzo(a)pyrene	<0.011	ug/L	0.055	0.011	1	10/15/20 08:30	10/16/20 11:46	50-32-8	
Benzo(b)fluoranthene	<0.0060	ug/L	0.030	0.0060	1	10/15/20 08:30	10/16/20 11:46	205-99-2	
Benzo(g,h,i)perylene	<0.0071	ug/L	0.035	0.0071	1	10/15/20 08:30	10/16/20 11:46	191-24-2	
Chrysene	<0.014	ug/L	0.068	0.014	1	10/15/20 08:30	10/16/20 11:46	218-01-9	
Fluoranthene	<0.011	ug/L	0.056	0.011	1	10/15/20 08:30	10/16/20 11:46	206-44-0	
Fluorene	<0.0083	ug/L	0.042	0.0083	1	10/15/20 08:30	10/16/20 11:46	86-73-7	
Naphthalene	0.023J	ug/L	0.095	0.019	1	10/15/20 08:30	10/16/20 11:46	91-20-3	
Phenanthrene	<0.014	ug/L	0.072	0.014	1	10/15/20 08:30	10/16/20 11:46	85-01-8	
Pyrene	<0.0080	ug/L	0.040	0.0080	1	10/15/20 08:30	10/16/20 11:46	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	51	%	39-120		1	10/15/20 08:30	10/16/20 11:46	321-60-8	
Terphenyl-d14 (S)	75	%	10-159		1	10/15/20 08:30	10/16/20 11:46	1718-51-0	

8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		10/19/20 10:45	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/19/20 10:45	100-41-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/19/20 10:45	108-88-3	

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Sample: 101220013 **Lab ID: 40216446014** Collected: 10/12/20 17:35 Received: 10/13/20 17:14 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)	<1.5	ug/L	3.0	1.5	1		10/19/20 10:45	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/19/20 10:45	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/19/20 10:45	95-47-6	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		1		10/19/20 10:45	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/19/20 10:45	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1		10/19/20 10:45	460-00-4	

300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	<2.2	mg/L	10.0	2.2	5		10/24/20 00:01	14808-79-8	D3
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	491	mg/L	124	37.2	5		10/23/20 12:28		
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		10/16/20 12:19		

Sample: 101220014 **Lab ID: 40216446015** Collected: 10/12/20 18:00 Received: 10/13/20 17:14 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	4.7	ug/L	2.8	0.66	1		10/22/20 11:08	74-82-8	
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<58.7	ug/L	250	58.7	1	10/15/20 06:28	10/23/20 10:57	7429-90-5	
Antimony, Dissolved	<0.15	ug/L	1.0	0.15	1	10/15/20 06:28	10/23/20 10:57	7440-36-0	
Copper, Dissolved	<1.9	ug/L	6.4	1.9	1	10/15/20 06:28	10/23/20 10:57	7440-50-8	
Iron, Dissolved	<58.0	ug/L	250	58.0	1	10/15/20 06:28	10/23/20 10:57	7439-89-6	
Manganese, Dissolved	<1.2	ug/L	4.0	1.2	1	10/15/20 06:28	10/23/20 10:57	7439-96-5	
Nickel, Dissolved	<0.28	ug/L	1.0	0.28	1	10/15/20 06:28	10/23/20 10:57	7440-02-0	
Silver, Dissolved	<0.13	ug/L	0.50	0.13	1	10/15/20 06:28	10/23/20 10:57	7440-22-4	
Vanadium, Dissolved	<0.32	ug/L	1.0	0.32	1	10/15/20 06:28	10/23/20 10:57	7440-62-2	
Zinc, Dissolved	<10.3	ug/L	34.4	10.3	1	10/15/20 06:28	10/23/20 10:57	7440-66-6	
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	<0.011	ug/L	0.053	0.011	1	10/15/20 08:30	10/16/20 12:05	120-12-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Sample: 101220014 **Lab ID: 40216446015** Collected: 10/12/20 18:00 Received: 10/13/20 17:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.011	ug/L	0.053	0.011	1	10/15/20 08:30	10/16/20 12:05	50-32-8	
Benzo(b)fluoranthene	<0.0058	ug/L	0.029	0.0058	1	10/15/20 08:30	10/16/20 12:05	205-99-2	
Benzo(g,h,i)perylene	<0.0068	ug/L	0.034	0.0068	1	10/15/20 08:30	10/16/20 12:05	191-24-2	
Chrysene	<0.013	ug/L	0.066	0.013	1	10/15/20 08:30	10/16/20 12:05	218-01-9	
Fluoranthene	<0.011	ug/L	0.054	0.011	1	10/15/20 08:30	10/16/20 12:05	206-44-0	
Fluorene	<0.0081	ug/L	0.040	0.0081	1	10/15/20 08:30	10/16/20 12:05	86-73-7	
Naphthalene	<0.019	ug/L	0.093	0.019	1	10/15/20 08:30	10/16/20 12:05	91-20-3	
Phenanthrene	<0.014	ug/L	0.070	0.014	1	10/15/20 08:30	10/16/20 12:05	85-01-8	
Pyrene	<0.0077	ug/L	0.039	0.0077	1	10/15/20 08:30	10/16/20 12:05	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	62	%	39-120		1	10/15/20 08:30	10/16/20 12:05	321-60-8	
Terphenyl-d14 (S)	96	%	10-159		1	10/15/20 08:30	10/16/20 12:05	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		10/19/20 11:08	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/19/20 11:08	100-41-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/19/20 11:08	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/19/20 11:08	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/19/20 11:08	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/19/20 11:08	95-47-6	
Surrogates									
Dibromofluoromethane (S)	103	%	70-130		1		10/19/20 11:08	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/19/20 11:08	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		1		10/19/20 11:08	460-00-4	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	<0.44	mg/L	2.0	0.44	1		10/26/20 11:33	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	<7.4	mg/L	24.8	7.4	1		10/23/20 12:33		
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		10/16/20 12:20		

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Sample: TB-02 **Lab ID: 40216446016** Collected: 10/12/20 00:00 Received: 10/13/20 17:14 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	<0.25	ug/L	1.0	0.25	1		10/16/20 22:13	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/16/20 22:13	100-41-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/16/20 22:13	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/16/20 22:13	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/16/20 22:13	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/16/20 22:13	95-47-6	
Surrogates									
Dibromofluoromethane (S)	98	%	70-130		1		10/16/20 22:13	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/16/20 22:13	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1		10/16/20 22:13	460-00-4	

Sample: 101320015 **Lab ID: 40216446017** Collected: 10/13/20 07:14 Received: 10/13/20 17:14 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	5390	ug/L	280	66.5	100		10/22/20 14:18	74-82-8	
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	10/15/20 06:28	10/23/20 16:48	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/15/20 06:28	10/23/20 16:48	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/15/20 06:28	10/23/20 16:48	7440-50-8	D3
Iron, Dissolved	26400	ug/L	500	116	2	10/15/20 06:28	10/23/20 16:48	7439-89-6	
Manganese, Dissolved	1030	ug/L	8.1	2.4	2	10/15/20 06:28	10/23/20 16:48	7439-96-5	
Nickel, Dissolved	0.62J	ug/L	2.0	0.57	2	10/15/20 06:28	10/23/20 16:48	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/15/20 06:28	10/23/20 16:48	7440-22-4	D3
Vanadium, Dissolved	<0.63	ug/L	2.1	0.63	2	10/15/20 06:28	10/23/20 16:48	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/15/20 06:28	10/23/20 16:48	7440-66-6	D3

8270 MSSV PAH by HVI Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510
Pace Analytical Services - Green Bay

Anthracene	0.057	ug/L	0.056	0.011	1	10/16/20 08:26	10/16/20 15:10	120-12-7	
Benzo(a)pyrene	<0.011	ug/L	0.057	0.011	1	10/16/20 08:26	10/16/20 15:10	50-32-8	
Benzo(b)fluoranthene	0.013J	ug/L	0.031	0.0062	1	10/16/20 08:26	10/16/20 15:10	205-99-2	
Benzo(g,h,i)perylene	<0.0073	ug/L	0.036	0.0073	1	10/16/20 08:26	10/16/20 15:10	191-24-2	
Chrysene	0.020J	ug/L	0.070	0.014	1	10/16/20 08:26	10/16/20 15:10	218-01-9	
Fluoranthene	0.077	ug/L	0.057	0.011	1	10/16/20 08:26	10/16/20 15:10	206-44-0	
Fluorene	0.12	ug/L	0.043	0.0086	1	10/16/20 08:26	10/16/20 15:10	86-73-7	
Naphthalene	0.024J	ug/L	0.099	0.020	1	10/16/20 08:26	10/16/20 15:10	91-20-3	
Phenanthrene	0.18	ug/L	0.074	0.015	1	10/16/20 08:26	10/16/20 15:10	85-01-8	
Pyrene	0.089	ug/L	0.041	0.0082	1	10/16/20 08:26	10/16/20 15:10	129-00-0	

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Sample: 101320015 **Lab ID: 40216446017** Collected: 10/13/20 07:14 Received: 10/13/20 17:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Surrogates									
2-Fluorobiphenyl (S)	57	%	39-120		1	10/16/20 08:26	10/16/20 15:10	321-60-8	
Terphenyl-d14 (S)	97	%	10-159		1	10/16/20 08:26	10/16/20 15:10	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		10/19/20 11:30	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/19/20 11:30	100-41-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/19/20 11:30	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/19/20 11:30	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/19/20 11:30	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/19/20 11:30	95-47-6	
Surrogates									
Dibromofluoromethane (S)	103	%	70-130		1		10/19/20 11:30	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/19/20 11:30	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1		10/19/20 11:30	460-00-4	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	<2.2	mg/L	10.0	2.2	5		10/24/20 01:13	14808-79-8	D3
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	827	mg/L	124	37.2	5		10/23/20 12:34		
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.097J	mg/L	0.25	0.059	1		10/16/20 12:21		

Sample: 101320016 **Lab ID: 40216446018** Collected: 10/13/20 08:00 Received: 10/13/20 17:14 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	4040	ug/L	140	33.2	50		10/22/20 14:25	74-82-8	
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	10/15/20 06:28	10/23/20 16:55	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/15/20 06:28	10/23/20 16:55	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/15/20 06:28	10/23/20 16:55	7440-50-8	D3
Iron, Dissolved	16400	ug/L	500	116	2	10/15/20 06:28	10/23/20 16:55	7439-89-6	

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Sample: 101320016 **Lab ID: 40216446018** Collected: 10/13/20 08:00 Received: 10/13/20 17:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Manganese, Dissolved	181	ug/L	8.1	2.4	2	10/15/20 06:28	10/23/20 16:55	7439-96-5	
Nickel, Dissolved	<0.57	ug/L	2.0	0.57	2	10/15/20 06:28	10/23/20 16:55	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/15/20 06:28	10/23/20 16:55	7440-22-4	D3
Vanadium, Dissolved	<0.63	ug/L	2.1	0.63	2	10/15/20 06:28	10/23/20 16:55	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/15/20 06:28	10/23/20 16:55	7440-66-6	D3
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	0.13	ug/L	0.056	0.011	1	10/16/20 08:26	10/19/20 09:00	120-12-7	
Benzo(a)pyrene	0.034J	ug/L	0.056	0.011	1	10/16/20 08:26	10/19/20 09:00	50-32-8	
Benzo(b)fluoranthene	0.058	ug/L	0.031	0.0061	1	10/16/20 08:26	10/19/20 09:00	205-99-2	
Benzo(g,h,i)perylene	0.036	ug/L	0.036	0.0072	1	10/16/20 08:26	10/19/20 09:00	191-24-2	
Chrysene	0.083	ug/L	0.069	0.014	1	10/16/20 08:26	10/19/20 09:00	218-01-9	
Fluoranthene	0.24	ug/L	0.057	0.011	1	10/16/20 08:26	10/19/20 09:00	206-44-0	
Fluorene	0.30	ug/L	0.042	0.0085	1	10/16/20 08:26	10/19/20 09:00	86-73-7	
Naphthalene	0.12	ug/L	0.097	0.020	1	10/16/20 08:26	10/19/20 09:00	91-20-3	
Phenanthrene	0.30	ug/L	0.073	0.015	1	10/16/20 08:26	10/19/20 09:00	85-01-8	
Pyrene	0.26	ug/L	0.041	0.0081	1	10/16/20 08:26	10/19/20 09:00	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	62	%	39-120		1	10/16/20 08:26	10/19/20 09:00	321-60-8	
Terphenyl-d14 (S)	88	%	10-159		1	10/16/20 08:26	10/19/20 09:00	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		10/19/20 12:38	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/19/20 12:38	100-41-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/19/20 12:38	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/19/20 12:38	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/19/20 12:38	179601-23-1	
o-Xylene	0.26J	ug/L	1.0	0.26	1		10/19/20 12:38	95-47-6	
Surrogates									
Dibromofluoromethane (S)	104	%	70-130		1		10/19/20 12:38	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/19/20 12:38	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1		10/19/20 12:38	460-00-4	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	<2.2	mg/L	10.0	2.2	5		10/24/20 01:27	14808-79-8	D3
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	188	mg/L	124	37.2	5		10/23/20 12:35		

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Sample: 101320016 Lab ID: 40216446018 Collected: 10/13/20 08:00 Received: 10/13/20 17:14 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		10/16/20 12:21		

Sample: 101320017 Lab ID: 40216446019 Collected: 10/13/20 08:29 Received: 10/13/20 17:14 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	2170	ug/L	56.0	13.3	20		10/22/20 14:32	74-82-8	
6020 MET ICPMS, Dissolved Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	10/15/20 06:28	10/23/20 17:01	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/15/20 06:28	10/23/20 17:01	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/15/20 06:28	10/23/20 17:01	7440-50-8	D3
Iron, Dissolved	12200	ug/L	500	116	2	10/15/20 06:28	10/23/20 17:01	7439-89-6	
Manganese, Dissolved	1960	ug/L	8.1	2.4	2	10/15/20 06:28	10/23/20 17:01	7439-96-5	
Nickel, Dissolved	1.5J	ug/L	2.0	0.57	2	10/15/20 06:28	10/23/20 17:01	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/15/20 06:28	10/23/20 17:01	7440-22-4	D3
Vanadium, Dissolved	2.2	ug/L	2.1	0.63	2	10/15/20 06:28	10/23/20 17:01	7440-62-2	
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/15/20 06:28	10/23/20 17:01	7440-66-6	D3

8270 MSSV PAH by HVI Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	<0.054	ug/L	0.27	0.054	5	10/16/20 08:26	10/19/20 13:38	120-12-7	
Benzo(a)pyrene	<0.054	ug/L	0.27	0.054	5	10/16/20 08:26	10/19/20 13:38	50-32-8	
Benzo(b)fluoranthene	<0.030	ug/L	0.15	0.030	5	10/16/20 08:26	10/19/20 13:38	205-99-2	
Benzo(g,h,i)perylene	<0.035	ug/L	0.17	0.035	5	10/16/20 08:26	10/19/20 13:38	191-24-2	
Chrysene	<0.067	ug/L	0.34	0.067	5	10/16/20 08:26	10/19/20 13:38	218-01-9	
Fluoranthene	<0.055	ug/L	0.28	0.055	5	10/16/20 08:26	10/19/20 13:38	206-44-0	
Fluorene	1.2	ug/L	0.21	0.041	5	10/16/20 08:26	10/19/20 13:38	86-73-7	
Naphthalene	0.57	ug/L	0.47	0.094	5	10/16/20 08:26	10/19/20 13:38	91-20-3	
Phenanthrene	0.67	ug/L	0.36	0.071	5	10/16/20 08:26	10/19/20 13:38	85-01-8	
Pyrene	<0.039	ug/L	0.20	0.039	5	10/16/20 08:26	10/19/20 13:38	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	71	%	39-120		5	10/16/20 08:26	10/19/20 13:38	321-60-8	
Terphenyl-d14 (S)	88	%	10-159		5	10/16/20 08:26	10/19/20 13:38	1718-51-0	

8260 MSV UST Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		10/19/20 13:00	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/19/20 13:00	100-41-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/19/20 13:00	108-88-3	

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Sample: 101320017 **Lab ID: 40216446019** Collected: 10/13/20 08:29 Received: 10/13/20 17:14 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)	<1.5	ug/L	3.0	1.5	1		10/19/20 13:00	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/19/20 13:00	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/19/20 13:00	95-47-6	
Surrogates									
Dibromofluoromethane (S)	101	%	70-130		1		10/19/20 13:00	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/19/20 13:00	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1		10/19/20 13:00	460-00-4	

300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	31.1	mg/L	10.0	2.2	5		10/24/20 01:42	14808-79-8	

310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	518	mg/L	124	37.2	5		10/23/20 12:36		

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		10/16/20 12:22		

Sample: 101320018 **Lab ID: 40216446020** Collected: 10/13/20 09:05 Received: 10/13/20 17:14 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	6080	ug/L	140	33.2	50		10/22/20 14:38	74-82-8	
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	10/15/20 06:28	10/23/20 17:08	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/15/20 06:28	10/23/20 17:08	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/15/20 06:28	10/23/20 17:08	7440-50-8	D3
Iron, Dissolved	39400	ug/L	500	116	2	10/15/20 06:28	10/23/20 17:08	7439-89-6	
Manganese, Dissolved	810	ug/L	8.1	2.4	2	10/15/20 06:28	10/23/20 17:08	7439-96-5	
Nickel, Dissolved	0.74J	ug/L	2.0	0.57	2	10/15/20 06:28	10/23/20 17:08	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/15/20 06:28	10/23/20 17:08	7440-22-4	D3
Vanadium, Dissolved	1.8J	ug/L	2.1	0.63	2	10/15/20 06:28	10/23/20 17:08	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/15/20 06:28	10/23/20 17:08	7440-66-6	D3

8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	<1.1	ug/L	5.4	1.1	100	10/16/20 10:45	10/19/20 13:56	120-12-7	

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Sample: 101320018 **Lab ID: 40216446020** Collected: 10/13/20 09:05 Received: 10/13/20 17:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<1.1	ug/L	5.4	1.1	100	10/16/20 10:45	10/19/20 13:56	50-32-8	
Benzo(b)fluoranthene	<0.59	ug/L	3.0	0.59	100	10/16/20 10:45	10/19/20 13:56	205-99-2	
Benzo(g,h,i)perylene	<0.70	ug/L	3.5	0.70	100	10/16/20 10:45	10/19/20 13:56	191-24-2	
Chrysene	<1.3	ug/L	6.7	1.3	100	10/16/20 10:45	10/19/20 13:56	218-01-9	
Fluoranthene	4.0J	ug/L	5.5	1.1	100	10/16/20 10:45	10/19/20 13:56	206-44-0	
Fluorene	34.8	ug/L	4.1	0.82	100	10/16/20 10:45	10/19/20 13:56	86-73-7	
Naphthalene	747	ug/L	9.4	1.9	100	10/16/20 10:45	10/19/20 13:56	91-20-3	
Phenanthrene	38.4	ug/L	7.1	1.4	100	10/16/20 10:45	10/19/20 13:56	85-01-8	
Pyrene	4.4	ug/L	3.9	0.79	100	10/16/20 10:45	10/19/20 13:56	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	0	%	39-120		100	10/16/20 10:45	10/19/20 13:56	321-60-8	S4
Terphenyl-d14 (S)	0	%	10-159		100	10/16/20 10:45	10/19/20 13:56	1718-51-0	S4
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	136	ug/L	10.0	2.5	10		10/19/20 08:08	71-43-2	
Ethylbenzene	198	ug/L	10.6	3.2	10		10/19/20 08:08	100-41-4	
Toluene	<2.7	ug/L	10.0	2.7	10		10/19/20 08:08	108-88-3	
Xylene (Total)	75.4	ug/L	30.0	15.0	10		10/19/20 08:08	1330-20-7	
m&p-Xylene	8.6J	ug/L	20.0	4.7	10		10/19/20 08:08	179601-23-1	
o-Xylene	66.8	ug/L	10.0	2.6	10		10/19/20 08:08	95-47-6	
Surrogates									
Dibromofluoromethane (S)	103	%	70-130		10		10/19/20 08:08	1868-53-7	D3
Toluene-d8 (S)	101	%	70-130		10		10/19/20 08:08	2037-26-5	
4-Bromofluorobenzene (S)	104	%	70-130		10		10/19/20 08:08	460-00-4	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	<2.2	mg/L	10.0	2.2	5		10/24/20 01:56	14808-79-8	D3
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	713	mg/L	124	37.2	5		10/23/20 12:37		
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		10/16/20 12:23		

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Sample: 101320019 **Lab ID: 40216446021** Collected: 10/13/20 09:10 Received: 10/13/20 17:14 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	7070	ug/L	140	33.2	50		10/22/20 14:45	74-82-8	
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Aluminum, Dissolved	<117	ug/L	500	117	2	10/15/20 06:28	10/23/20 17:15	7429-90-5	D3
Antimony, Dissolved	<0.30	ug/L	2.0	0.30	2	10/15/20 06:28	10/23/20 17:15	7440-36-0	D3
Copper, Dissolved	<3.8	ug/L	12.7	3.8	2	10/15/20 06:28	10/23/20 17:15	7440-50-8	D3
Iron, Dissolved	38200	ug/L	500	116	2	10/15/20 06:28	10/23/20 17:15	7439-89-6	
Manganese, Dissolved	792	ug/L	8.1	2.4	2	10/15/20 06:28	10/23/20 17:15	7439-96-5	
Nickel, Dissolved	<0.57	ug/L	2.0	0.57	2	10/15/20 06:28	10/23/20 17:15	7440-02-0	D3
Silver, Dissolved	<0.25	ug/L	1.0	0.25	2	10/15/20 06:28	10/23/20 17:15	7440-22-4	D3
Vanadium, Dissolved	2.0J	ug/L	2.1	0.63	2	10/15/20 06:28	10/23/20 17:15	7440-62-2	D3
Zinc, Dissolved	<20.7	ug/L	68.9	20.7	2	10/15/20 06:28	10/23/20 17:15	7440-66-6	D3
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	<1.1	ug/L	5.4	1.1	100	10/16/20 10:45	10/19/20 14:15	120-12-7	
Benzo(a)pyrene	<1.1	ug/L	5.4	1.1	100	10/16/20 10:45	10/19/20 14:15	50-32-8	
Benzo(b)fluoranthene	<0.59	ug/L	3.0	0.59	100	10/16/20 10:45	10/19/20 14:15	205-99-2	
Benzo(g,h,i)perylene	<0.70	ug/L	3.5	0.70	100	10/16/20 10:45	10/19/20 14:15	191-24-2	
Chrysene	<1.3	ug/L	6.7	1.3	100	10/16/20 10:45	10/19/20 14:15	218-01-9	
Fluoranthene	2.4J	ug/L	5.5	1.1	100	10/16/20 10:45	10/19/20 14:15	206-44-0	
Fluorene	21.7	ug/L	4.1	0.82	100	10/16/20 10:45	10/19/20 14:15	86-73-7	
Naphthalene	512	ug/L	9.4	1.9	100	10/16/20 10:45	10/19/20 14:15	91-20-3	
Phenanthrene	23.8	ug/L	7.1	1.4	100	10/16/20 10:45	10/19/20 14:15	85-01-8	
Pyrene	2.8J	ug/L	3.9	0.79	100	10/16/20 10:45	10/19/20 14:15	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	0	%	39-120		100	10/16/20 10:45	10/19/20 14:15	321-60-8	S4
Terphenyl-d14 (S)	0	%	10-159		100	10/16/20 10:45	10/19/20 14:15	1718-51-0	S4
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	114	ug/L	20.0	4.9	20		10/19/20 08:30	71-43-2	
Ethylbenzene	149	ug/L	21.2	6.4	20		10/19/20 08:30	100-41-4	
Toluene	<5.4	ug/L	20.0	5.4	20		10/19/20 08:30	108-88-3	
Xylene (Total)	58.7J	ug/L	60.0	30.0	20		10/19/20 08:30	1330-20-7	
m&p-Xylene	<9.3	ug/L	40.0	9.3	20		10/19/20 08:30	179601-23-1	
o-Xylene	50.6	ug/L	20.0	5.2	20		10/19/20 08:30	95-47-6	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		20		10/19/20 08:30	1868-53-7	D3
Toluene-d8 (S)	99	%	70-130		20		10/19/20 08:30	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		20		10/19/20 08:30	460-00-4	

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Sample: 101320019 Lab ID: 40216446021 Collected: 10/13/20 09:10 Received: 10/13/20 17:14 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		10/24/20 02:11	14808-79-8	D3
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	596	mg/L	248	74.4	10		10/23/20 12:39		
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		10/16/20 12:23		M0

Sample: 101320026 Lab ID: 40216446022 Collected: 10/13/20 14:00 Received: 10/13/20 17:14 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	5.3	ug/L	2.8	0.66	1		10/22/20 11:49	74-82-8	
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	0.028J	ug/L	0.048	0.0095	1	10/16/20 10:45	10/19/20 09:55	120-12-7	
Benzo(a)pyrene	0.017J	ug/L	0.048	0.0096	1	10/16/20 10:45	10/19/20 09:55	50-32-8	
Benzo(b)fluoranthene	0.037	ug/L	0.026	0.0052	1	10/16/20 10:45	10/19/20 09:55	205-99-2	
Benzo(g,h,i)perylene	0.021J	ug/L	0.031	0.0062	1	10/16/20 10:45	10/19/20 09:55	191-24-2	
Chrysene	0.044J	ug/L	0.059	0.012	1	10/16/20 10:45	10/19/20 09:55	218-01-9	
Fluoranthene	0.047J	ug/L	0.048	0.0097	1	10/16/20 10:45	10/19/20 09:55	206-44-0	
Fluorene	<0.0072	ug/L	0.036	0.0072	1	10/16/20 10:45	10/19/20 09:55	86-73-7	
Naphthalene	0.018J	ug/L	0.083	0.017	1	10/16/20 10:45	10/19/20 09:55	91-20-3	
Phenanthrene	<0.013	ug/L	0.063	0.013	1	10/16/20 10:45	10/19/20 09:55	85-01-8	
Pyrene	0.051	ug/L	0.035	0.0070	1	10/16/20 10:45	10/19/20 09:55	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	56	%	39-120		1	10/16/20 10:45	10/19/20 09:55	321-60-8	
Terphenyl-d14 (S)	83	%	10-159		1	10/16/20 10:45	10/19/20 09:55	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		10/19/20 13:23	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/19/20 13:23	100-41-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/19/20 13:23	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/19/20 13:23	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/19/20 13:23	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/19/20 13:23	95-47-6	

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Sample: 101320026		Lab ID: 40216446022		Collected: 10/13/20 14:00	Received: 10/13/20 17:14	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							
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		1		10/19/20 13:23	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/19/20 13:23	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1		10/19/20 13:23	460-00-4	

Sample: 101320027		Lab ID: 40216446023		Collected: 10/13/20 13:45	Received: 10/13/20 17:14	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	<0.66	ug/L	2.8	0.66	1		10/22/20 12:19	74-82-8	
8260 MSV UST		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Benzene	<0.25	ug/L	1.0	0.25	1		10/19/20 13:45	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/19/20 13:45	100-41-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/19/20 13:45	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/19/20 13:45	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/19/20 13:45	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/19/20 13:45	95-47-6	
Surrogates									
Dibromofluoromethane (S)	103	%	70-130		1		10/19/20 13:45	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/19/20 13:45	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		1		10/19/20 13:45	460-00-4	

Sample: 101320028		Lab ID: 40216446024		Collected: 10/13/20 15:45	Received: 10/13/20 17:14	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	<0.66	ug/L	2.8	0.66	1		10/22/20 12:26	74-82-8	
6020 MET ICPMS, Dissolved		Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay							
Aluminum, Dissolved	<58.7	ug/L	250	58.7	1	10/15/20 06:28	10/23/20 11:04	7429-90-5	
Antimony, Dissolved	<0.15	ug/L	1.0	0.15	1	10/15/20 06:28	10/23/20 11:04	7440-36-0	
Copper, Dissolved	<1.9	ug/L	6.4	1.9	1	10/15/20 06:28	10/23/20 11:04	7440-50-8	
Iron, Dissolved	<58.0	ug/L	250	58.0	1	10/15/20 06:28	10/23/20 11:04	7439-89-6	
Manganese, Dissolved	<1.2	ug/L	4.0	1.2	1	10/15/20 06:28	10/23/20 11:04	7439-96-5	

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Sample: 101320028 **Lab ID: 40216446024** Collected: 10/13/20 15:45 Received: 10/13/20 17:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Nickel, Dissolved	<0.28	ug/L	1.0	0.28	1	10/15/20 06:28	10/23/20 11:04	7440-02-0	
Silver, Dissolved	<0.13	ug/L	0.50	0.13	1	10/15/20 06:28	10/23/20 11:04	7440-22-4	
Vanadium, Dissolved	<0.32	ug/L	1.0	0.32	1	10/15/20 06:28	10/23/20 11:04	7440-62-2	
Zinc, Dissolved	<10.3	ug/L	34.4	10.3	1	10/15/20 06:28	10/23/20 11:04	7440-66-6	
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Anthracene	<0.0095	ug/L	0.048	0.0095	1	10/16/20 10:45	10/19/20 10:14	120-12-7	
Benzo(a)pyrene	<0.0096	ug/L	0.048	0.0096	1	10/16/20 10:45	10/19/20 10:14	50-32-8	
Benzo(b)fluoranthene	<0.0052	ug/L	0.026	0.0052	1	10/16/20 10:45	10/19/20 10:14	205-99-2	
Benzo(g,h,i)perylene	<0.0062	ug/L	0.031	0.0062	1	10/16/20 10:45	10/19/20 10:14	191-24-2	
Chrysene	<0.012	ug/L	0.059	0.012	1	10/16/20 10:45	10/19/20 10:14	218-01-9	
Fluoranthene	<0.0097	ug/L	0.048	0.0097	1	10/16/20 10:45	10/19/20 10:14	206-44-0	
Fluorene	<0.0072	ug/L	0.036	0.0072	1	10/16/20 10:45	10/19/20 10:14	86-73-7	
Naphthalene	0.020J	ug/L	0.083	0.017	1	10/16/20 10:45	10/19/20 10:14	91-20-3	
Phenanthrene	<0.013	ug/L	0.063	0.013	1	10/16/20 10:45	10/19/20 10:14	85-01-8	
Pyrene	0.0076J	ug/L	0.035	0.0070	1	10/16/20 10:45	10/19/20 10:14	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	50	%	39-120		1	10/16/20 10:45	10/19/20 10:14	321-60-8	
Terphenyl-d14 (S)	86	%	10-159		1	10/16/20 10:45	10/19/20 10:14	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		10/19/20 11:53	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/19/20 11:53	100-41-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/19/20 11:53	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/19/20 11:53	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/19/20 11:53	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/19/20 11:53	95-47-6	
Surrogates									
Dibromofluoromethane (S)	103	%	70-130		1		10/19/20 11:53	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		10/19/20 11:53	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1		10/19/20 11:53	460-00-4	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	<0.44	mg/L	2.0	0.44	1		10/26/20 11:47	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	<7.4	mg/L	24.8	7.4	1		10/23/20 12:38		
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		10/16/20 12:27		

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Sample: TB-03 Lab ID: 40216446025 Collected: 10/13/20 00:00 Received: 10/13/20 17:14 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	<0.25	ug/L	1.0	0.25	1		10/16/20 21:51	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/16/20 21:51	100-41-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/16/20 21:51	108-88-3	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/16/20 21:51	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/16/20 21:51	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/16/20 21:51	95-47-6	
Surrogates									
Dibromofluoromethane (S)	98	%	70-130		1		10/16/20 21:51	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/16/20 21:51	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1		10/16/20 21:51	460-00-4	

Sample: 101320020 Lab ID: 40216446026 Collected: 10/13/20 09:50 Received: 10/13/20 17:14 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.011	ug/L	0.053	0.011	1	10/16/20 10:45	10/16/20 17:57	50-32-8	
Benzo(b)fluoranthene	0.011J	ug/L	0.029	0.0057	1	10/16/20 10:45	10/16/20 17:57	205-99-2	
Chrysene	<0.013	ug/L	0.065	0.013	1	10/16/20 10:45	10/16/20 17:57	218-01-9	
Naphthalene	0.033J	ug/L	0.092	0.018	1	10/16/20 10:45	10/16/20 17:57	91-20-3	
Surrogates									
2-Fluorobiphenyl (S)	57	%	39-120		1	10/16/20 10:45	10/16/20 17:57	321-60-8	
Terphenyl-d14 (S)	78	%	10-159		1	10/16/20 10:45	10/16/20 17:57	1718-51-0	

Sample: 101320021 Lab ID: 40216446027 Collected: 10/13/20 10:30 Received: 10/13/20 17:14 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	<0.25	ug/L	1.0	0.25	1		10/19/20 12:15	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/19/20 12:15	100-41-4	
Surrogates									
Dibromofluoromethane (S)	103	%	70-130		1		10/19/20 12:15	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/19/20 12:15	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1		10/19/20 12:15	460-00-4	

Sample: 101320021 Lab ID: 40216446027 Collected: 10/13/20 10:30 Received: 10/13/20 17:14 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<10.5	ug/L	52.6	10.5	1000	10/16/20 10:45	10/19/20 14:33	50-32-8	
Benzo(b)fluoranthene	<5.7	ug/L	28.7	5.7	1000	10/16/20 10:45	10/19/20 14:33	205-99-2	

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Sample: 101320021 **Lab ID: 40216446027** Collected: 10/13/20 10:30 Received: 10/13/20 17:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Chrysene	<13.0	ug/L	65.2	13.0	1000	10/16/20 10:45	10/19/20 14:33	218-01-9	
Naphthalene	5350	ug/L	91.6	18.3	1000	10/16/20 10:45	10/19/20 14:33	91-20-3	
Surrogates									
2-Fluorobiphenyl (S)	0	%	39-120		1000	10/16/20 10:45	10/19/20 14:33	321-60-8	S4
Terphenyl-d14 (S)	0	%	10-159		1000	10/16/20 10:45	10/19/20 14:33	1718-51-0	S4
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	604	ug/L	125	30.8	125		10/19/20 08:53	71-43-2	
Ethylbenzene	1690	ug/L	133	39.8	125		10/19/20 08:53	100-41-4	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		125		10/19/20 08:53	1868-53-7	
Toluene-d8 (S)	100	%	70-130		125		10/19/20 08:53	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130		125		10/19/20 08:53	460-00-4	

Sample: 101320022 **Lab ID: 40216446028** Collected: 10/13/20 11:20 Received: 10/13/20 17:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<10.5	ug/L	52.6	10.5	1000	10/16/20 10:45	10/19/20 14:52	50-32-8	
Benzo(b)fluoranthene	<5.7	ug/L	28.7	5.7	1000	10/16/20 10:45	10/19/20 14:52	205-99-2	
Chrysene	<13.0	ug/L	65.2	13.0	1000	10/16/20 10:45	10/19/20 14:52	218-01-9	
Naphthalene	1870	ug/L	91.6	18.3	1000	10/16/20 10:45	10/19/20 14:52	91-20-3	
Surrogates									
2-Fluorobiphenyl (S)	0	%	39-120		1000	10/16/20 10:45	10/19/20 14:52	321-60-8	S4
Terphenyl-d14 (S)	0	%	10-159		1000	10/16/20 10:45	10/19/20 14:52	1718-51-0	S4
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	387	ug/L	50.0	12.3	50		10/20/20 08:58	71-43-2	
Ethylbenzene	94.2	ug/L	53.1	15.9	50		10/20/20 08:58	100-41-4	
Surrogates									
Dibromofluoromethane (S)	89	%	70-130		50		10/20/20 08:58	1868-53-7	
Toluene-d8 (S)	99	%	70-130		50		10/20/20 08:58	2037-26-5	
4-Bromofluorobenzene (S)	104	%	70-130		50		10/20/20 08:58	460-00-4	

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Sample: 101320023 **Lab ID: 40216446029** Collected: 10/13/20 12:29 Received: 10/13/20 17:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<4.2	ug/L	21.1	4.2	400	10/16/20 10:45	10/20/20 14:51	50-32-8	
Benzo(b)fluoranthene	<2.3	ug/L	11.5	2.3	400	10/16/20 10:45	10/20/20 14:51	205-99-2	
Chrysene	<5.2	ug/L	26.1	5.2	400	10/16/20 10:45	10/20/20 14:51	218-01-9	
Naphthalene	2500	ug/L	36.7	7.3	400	10/16/20 10:45	10/20/20 14:51	91-20-3	
Surrogates									
2-Fluorobiphenyl (S)	0	%	39-120		400	10/16/20 10:45	10/20/20 14:51	321-60-8	S4
Terphenyl-d14 (S)	0	%	10-159		400	10/16/20 10:45	10/20/20 14:51	1718-51-0	S4

8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	2580	ug/L	50.0	12.3	50		10/20/20 08:13	71-43-2	
Ethylbenzene	213	ug/L	53.1	15.9	50		10/20/20 08:13	100-41-4	
Surrogates									
Dibromofluoromethane (S)	89	%	70-130		50		10/20/20 08:13	1868-53-7	
Toluene-d8 (S)	99	%	70-130		50		10/20/20 08:13	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130		50		10/20/20 08:13	460-00-4	

Sample: 101320024 **Lab ID: 40216446030** Collected: 10/13/20 13:07 Received: 10/13/20 17:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<5.3	ug/L	26.3	5.3	500	10/16/20 10:45	10/19/20 15:29	50-32-8	
Benzo(b)fluoranthene	<2.9	ug/L	14.3	2.9	500	10/16/20 10:45	10/19/20 15:29	205-99-2	
Chrysene	<6.5	ug/L	32.6	6.5	500	10/16/20 10:45	10/19/20 15:29	218-01-9	
Naphthalene	1600	ug/L	45.8	9.2	500	10/16/20 10:45	10/19/20 15:29	91-20-3	
Surrogates									
2-Fluorobiphenyl (S)	0	%	39-120		500	10/16/20 10:45	10/19/20 15:29	321-60-8	S4
Terphenyl-d14 (S)	0	%	10-159		500	10/16/20 10:45	10/19/20 15:29	1718-51-0	S4

8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	478	ug/L	125	30.8	125		10/19/20 10:00	71-43-2	
Ethylbenzene	430	ug/L	133	39.8	125		10/19/20 10:00	100-41-4	
Surrogates									
Dibromofluoromethane (S)	101	%	70-130		125		10/19/20 10:00	1868-53-7	
Toluene-d8 (S)	100	%	70-130		125		10/19/20 10:00	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		125		10/19/20 10:00	460-00-4	

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ANALYTICAL RESULTS

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Sample: 101320025 **Lab ID: 40216446031** Collected: 10/13/20 13:12 Received: 10/13/20 17:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<2.1	ug/L	10.5	2.1	200	10/16/20 10:45	10/19/20 15:47	50-32-8	
Benzo(b)fluoranthene	<1.1	ug/L	5.7	1.1	200	10/16/20 10:45	10/19/20 15:47	205-99-2	
Chrysene	<2.6	ug/L	13.0	2.6	200	10/16/20 10:45	10/19/20 15:47	218-01-9	
Naphthalene	1790	ug/L	18.3	3.7	200	10/16/20 10:45	10/19/20 15:47	91-20-3	
Surrogates									
2-Fluorobiphenyl (S)	0	%	39-120		200	10/16/20 10:45	10/19/20 15:47	321-60-8	S4
Terphenyl-d14 (S)	0	%	10-159		200	10/16/20 10:45	10/19/20 15:47	1718-51-0	S4

8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	511	ug/L	100	24.6	100		10/19/20 10:23	71-43-2	
Ethylbenzene	446	ug/L	106	31.9	100		10/19/20 10:23	100-41-4	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		100		10/19/20 10:23	1868-53-7	
Toluene-d8 (S)	99	%	70-130		100		10/19/20 10:23	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		100		10/19/20 10:23	460-00-4	

Sample: TB-04 **Lab ID: 40216446032** Collected: 10/13/20 00:00 Received: 10/13/20 17:14 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	<0.25	ug/L	1.0	0.25	1		10/16/20 21:28	71-43-2	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/16/20 21:28	100-41-4	
Surrogates									
Dibromofluoromethane (S)	97	%	70-130		1		10/16/20 21:28	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/16/20 21:28	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1		10/16/20 21:28	460-00-4	

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QUALITY CONTROL DATA

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

QC Batch: 368631 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: 40216446001, 40216446002, 40216446003, 40216446004, 40216446005, 40216446006, 40216446008, 40216446009, 40216446010, 40216446011

METHOD BLANK: 2131425 Matrix: Water
Associated Lab Samples: 40216446001, 40216446002, 40216446003, 40216446004, 40216446005, 40216446006, 40216446008, 40216446009, 40216446010, 40216446011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	0.92J	2.8	10/19/20 10:14	

LABORATORY CONTROL SAMPLE & LCSD: 2131426 2131427

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Methane	ug/L	28.6	31.9	31.7	112	111	79-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2131428 2131429

Parameter	Units	40216446004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methane	ug/L	1980	286	286	2630	2630	227	229	10-200	0	20	M1

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QUALITY CONTROL DATA

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

QC Batch:	369069	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: 40216446012, 40216446013, 40216446014, 40216446015, 40216446017, 40216446018, 40216446019, 40216446020, 40216446021, 40216446022, 40216446023, 40216446024

METHOD BLANK: 2133432 Matrix: Water
Associated Lab Samples: 40216446012, 40216446013, 40216446014, 40216446015, 40216446017, 40216446018, 40216446019, 40216446020, 40216446021, 40216446022, 40216446023, 40216446024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	<0.66	2.8	10/22/20 10:08	

LABORATORY CONTROL SAMPLE & LCSD: 2133433 2133434

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Methane	ug/L	28.6	25.0	30.8	87	108	79-120	21	20	R1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2133943 2133944

Parameter	Units	40216463007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methane	ug/L	73.9	28.6	28.6	140	134	233	210	10-200	5	20	M1

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QUALITY CONTROL DATA

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

QC Batch: 368309 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40216446001, 40216446002, 40216446003, 40216446004, 40216446005, 40216446006, 40216446008, 40216446009, 40216446010, 40216446011, 40216446012, 40216446013, 40216446014, 40216446015, 40216446017, 40216446018, 40216446019, 40216446020, 40216446021, 40216446024

METHOD BLANK: 2129149 Matrix: Water
Associated Lab Samples: 40216446001, 40216446002, 40216446003, 40216446004, 40216446005, 40216446006, 40216446008, 40216446009, 40216446010, 40216446011, 40216446012, 40216446013, 40216446014, 40216446015, 40216446017, 40216446018, 40216446019, 40216446020, 40216446021, 40216446024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	<58.7	250	10/23/20 10:50	
Antimony, Dissolved	ug/L	<0.15	1.0	10/23/20 10:50	
Copper, Dissolved	ug/L	<1.9	6.4	10/23/20 10:50	
Iron, Dissolved	ug/L	<58.0	250	10/23/20 10:50	
Manganese, Dissolved	ug/L	<1.2	4.0	10/23/20 10:50	
Nickel, Dissolved	ug/L	<0.28	1.0	10/23/20 10:50	
Silver, Dissolved	ug/L	<0.13	0.50	10/23/20 10:50	
Vanadium, Dissolved	ug/L	<0.32	1.0	10/23/20 10:50	
Zinc, Dissolved	ug/L	<10.3	34.4	10/23/20 10:50	

LABORATORY CONTROL SAMPLE: 2129150

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	5000	5240	105	80-120	
Antimony, Dissolved	ug/L	500	504	101	80-120	
Copper, Dissolved	ug/L	500	480	96	80-120	
Iron, Dissolved	ug/L	5000	5110	102	80-120	
Manganese, Dissolved	ug/L	500	492	98	80-120	
Nickel, Dissolved	ug/L	500	492	98	80-120	
Silver, Dissolved	ug/L	250	221	88	80-120	
Vanadium, Dissolved	ug/L	500	484	97	80-120	
Zinc, Dissolved	ug/L	500	503	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2129151 2129152

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40216446004 Result	Spike Conc.	Spike Conc.	Result							Result
Aluminum, Dissolved	ug/L	<117	5000	5000	4930	4980	98	99	75-125	1	20	
Antimony, Dissolved	ug/L	1.2J	500	500	533	540	106	108	75-125	1	20	
Copper, Dissolved	ug/L	<3.8	500	500	474	483	95	96	75-125	2	20	
Iron, Dissolved	ug/L	1830	5000	5000	6720	6730	98	98	75-125	0	20	
Manganese, Dissolved	ug/L	1290	500	500	1740	1740	89	90	75-125	0	20	
Nickel, Dissolved	ug/L	2.3	500	500	478	484	95	96	75-125	1	20	
Silver, Dissolved	ug/L	<0.25	250	250	224	226	89	90	75-125	1	20	

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QUALITY CONTROL DATA

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2129151		2129152		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40216446004 Result	MS Spike Conc.	MSD Spike Conc.									
Vanadium, Dissolved	ug/L	5.1	500	500	504	499	100	99	75-125	1	20		
Zinc, Dissolved	ug/L	26.6J	500	500	502	512	95	97	75-125	2	20		

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QUALITY CONTROL DATA

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

QC Batch: 368483 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40216446002, 40216446003, 40216446004, 40216446005, 40216446006, 40216446007, 40216446008, 40216446009, 40216446010, 40216446011, 40216446012, 40216446013

METHOD BLANK: 2130189 Matrix: Water
Associated Lab Samples: 40216446002, 40216446003, 40216446004, 40216446005, 40216446006, 40216446007, 40216446008, 40216446009, 40216446010, 40216446011, 40216446012, 40216446013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.25	1.0	10/16/20 08:53	
Ethylbenzene	ug/L	<0.32	1.1	10/16/20 08:53	
m&p-Xylene	ug/L	<0.47	2.0	10/16/20 08:53	
o-Xylene	ug/L	<0.26	1.0	10/16/20 08:53	
Toluene	ug/L	<0.27	1.0	10/16/20 08:53	
Xylene (Total)	ug/L	<1.5	3.0	10/16/20 08:53	
4-Bromofluorobenzene (S)	%	99	70-130	10/16/20 08:53	
Dibromofluoromethane (S)	%	95	70-130	10/16/20 08:53	
Toluene-d8 (S)	%	97	70-130	10/16/20 08:53	

LABORATORY CONTROL SAMPLE: 2130190

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	43.4	87	70-130	
Ethylbenzene	ug/L	50	58.4	117	80-120	
m&p-Xylene	ug/L	100	120	120	70-130	
o-Xylene	ug/L	50	60.3	121	70-130	
Toluene	ug/L	50	53.6	107	80-120	
Xylene (Total)	ug/L	150	180	120	70-130	
4-Bromofluorobenzene (S)	%			106	70-130	
Dibromofluoromethane (S)	%			95	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2130191 2130192

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40216446004	Result	Conc.	Conc.								
Benzene	ug/L	266	50	50	314	285	97	38	70-136	10	20	E,M1	
Ethylbenzene	ug/L	35.6	50	50	93.0	89.9	115	108	80-120	3	20		
m&p-Xylene	ug/L	60.3	100	100	177	171	116	111	70-130	3	20		
o-Xylene	ug/L	36.6	50	50	96.7	92.6	120	112	70-130	4	20		
Toluene	ug/L	90.9	50	50	148	135	114	88	80-120	9	20		
Xylene (Total)	ug/L	96.9	150	150	273	264	118	111	70-130	4	20		
4-Bromofluorobenzene (S)	%						103	105	70-130				
Dibromofluoromethane (S)	%						96	95	70-130				
Toluene-d8 (S)	%						97	98	70-130				

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QUALITY CONTROL DATA

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

QC Batch:	368570	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV UST-WATER
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40216446001, 40216446014, 40216446015, 40216446016, 40216446017, 40216446018, 40216446019, 40216446020, 40216446021, 40216446022, 40216446023, 40216446024, 40216446025, 40216446026, 40216446027, 40216446028, 40216446029, 40216446030, 40216446031, 40216446032

METHOD BLANK: 2130915 Matrix: Water
Associated Lab Samples: 40216446001, 40216446014, 40216446015, 40216446016, 40216446017, 40216446018, 40216446019, 40216446020, 40216446021, 40216446022, 40216446023, 40216446024, 40216446025, 40216446026, 40216446027, 40216446028, 40216446029, 40216446030, 40216446031, 40216446032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.25	1.0	10/16/20 17:43	
Ethylbenzene	ug/L	<0.32	1.1	10/16/20 17:43	
m&p-Xylene	ug/L	<0.47	2.0	10/16/20 17:43	
o-Xylene	ug/L	<0.26	1.0	10/16/20 17:43	
Toluene	ug/L	<0.27	1.0	10/16/20 17:43	
Xylene (Total)	ug/L	<1.5	3.0	10/16/20 17:43	
4-Bromofluorobenzene (S)	%	100	70-130	10/16/20 17:43	
Dibromofluoromethane (S)	%	96	70-130	10/16/20 17:43	
Toluene-d8 (S)	%	99	70-130	10/16/20 17:43	

LABORATORY CONTROL SAMPLE: 2130916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	41.5	83	70-130	
Ethylbenzene	ug/L	50	54.7	109	80-120	
m&p-Xylene	ug/L	100	110	110	70-130	
o-Xylene	ug/L	50	55.1	110	70-130	
Toluene	ug/L	50	50.2	100	80-120	
Xylene (Total)	ug/L	150	165	110	70-130	
4-Bromofluorobenzene (S)	%			109	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2131347 2131348

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40216446001 Result	Spike Conc.	Spike Conc.	Conc.								
Benzene	ug/L	<0.25	50	50	50	42.2	48.9	84	98	70-136	15	20	
Ethylbenzene	ug/L	<0.32	50	50	50	56.0	54.9	112	110	80-120	2	20	
m&p-Xylene	ug/L	<0.47	100	100	100	113	111	113	111	70-130	2	20	
o-Xylene	ug/L	<0.26	50	50	50	56.7	55.4	113	111	70-130	2	20	
Toluene	ug/L	<0.27	50	50	50	51.6	50.7	103	101	80-120	2	20	
Xylene (Total)	ug/L	<1.5	150	150	150	170	166	113	111	70-130	2	20	
4-Bromofluorobenzene (S)	%							110	108	70-130			

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QUALITY CONTROL DATA

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2131347												2131348	
Parameter	Units	40216446001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Dibromofluoromethane (S)	%						96	99	70-130				
Toluene-d8 (S)	%						100	99	70-130				

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QUALITY CONTROL DATA

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

QC Batch: 368319 Analysis Method: EPA 8270 by HVI
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by HVI
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40216446001, 40216446002, 40216446003, 40216446004, 40216446005, 40216446006, 40216446008, 40216446009, 40216446011, 40216446012, 40216446013, 40216446014, 40216446015

METHOD BLANK: 2129179 Matrix: Water
Associated Lab Samples: 40216446001, 40216446002, 40216446003, 40216446004, 40216446005, 40216446006, 40216446008, 40216446009, 40216446011, 40216446012, 40216446013, 40216446014, 40216446015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Anthracene	ug/L	<0.010	0.052	10/15/20 14:25	
Benzo(a)pyrene	ug/L	<0.011	0.053	10/15/20 14:25	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	10/15/20 14:25	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	10/15/20 14:25	
Chrysene	ug/L	<0.013	0.065	10/15/20 14:25	
Fluoranthene	ug/L	<0.011	0.053	10/15/20 14:25	
Fluorene	ug/L	<0.0080	0.040	10/15/20 14:25	
Naphthalene	ug/L	<0.018	0.092	10/15/20 14:25	
Phenanthrene	ug/L	0.026J	0.069	10/15/20 14:25	
Pyrene	ug/L	<0.0076	0.038	10/15/20 14:25	
2-Fluorobiphenyl (S)	%	62	39-120	10/15/20 14:25	
Terphenyl-d14 (S)	%	100	10-159	10/15/20 14:25	

LABORATORY CONTROL SAMPLE: 2129180

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	ug/L	2	1.5	77	57-110	
Benzo(a)pyrene	ug/L	2	1.6	80	70-120	
Benzo(b)fluoranthene	ug/L	2	1.6	78	54-97	
Benzo(g,h,i)perylene	ug/L	2	1.3	64	26-74	
Chrysene	ug/L	2	1.9	96	75-151	
Fluoranthene	ug/L	2	1.5	76	63-120	
Fluorene	ug/L	2	1.3	65	53-120	
Naphthalene	ug/L	2	1.1	54	41-120	
Phenanthrene	ug/L	2	1.4	69	47-100	
Pyrene	ug/L	2	1.7	83	70-128	
2-Fluorobiphenyl (S)	%			65	39-120	
Terphenyl-d14 (S)	%			92	10-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2129181 2129182

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40216446004	Spike Conc.	Spike Conc.	Result								
Anthracene	ug/L	0.39J	2	2.1	1.2	1.2	39	39	16-114	1	36		
Benzo(a)pyrene	ug/L	<0.21	2	2.1	0.53J	0.51J	26	25	10-120		37		
Benzo(b)fluoranthene	ug/L	<0.12	2	2.1	0.55J	0.54J	27	26	10-97		36		

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QUALITY CONTROL DATA

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Parameter	Units	2129181		2129182		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40216446004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Benzo(g,h,i)perylene	ug/L	<0.14	2	2.1	0.52J	0.55J	26	27	10-74			45	
Chrysene	ug/L	<0.26	2	2.1	1.1J	1.1J	43	44	10-161			30	
Fluoranthene	ug/L	0.23J	2	2.1	1.0J	1.0J	39	37	35-120			33	
Fluorene	ug/L	0.77J	2	2.1	1.5	1.5	37	36	17-120	0		33	
Naphthalene	ug/L	172	2	2.1	137	139	-1710	-1590	24-120	1		30	M6
Phenanthrene	ug/L	1.0J	2	2.1	1.9	1.9	45	40	15-100	4		30	
Pyrene	ug/L	0.23J	2	2.1	1.0	1.1	40	40	14-137	3		31	
2-Fluorobiphenyl (S)	%						0	0	39-120				S4
Terphenyl-d14 (S)	%						0	0	10-159				S4

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QUALITY CONTROL DATA

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

QC Batch: 368465 Analysis Method: EPA 8270 by HVI
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by HVI
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40216446017, 40216446018, 40216446019

METHOD BLANK: 2130097 Matrix: Water

Associated Lab Samples: 40216446017, 40216446018, 40216446019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Anthracene	ug/L	<0.010	0.052	10/16/20 12:42	
Benzo(a)pyrene	ug/L	<0.011	0.053	10/16/20 12:42	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	10/16/20 12:42	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	10/16/20 12:42	
Chrysene	ug/L	<0.013	0.065	10/16/20 12:42	
Fluoranthene	ug/L	<0.011	0.053	10/16/20 12:42	
Fluorene	ug/L	<0.0080	0.040	10/16/20 12:42	
Naphthalene	ug/L	<0.018	0.092	10/16/20 12:42	
Phenanthrene	ug/L	<0.014	0.069	10/16/20 12:42	
Pyrene	ug/L	<0.0076	0.038	10/16/20 12:42	
2-Fluorobiphenyl (S)	%	62	39-120	10/16/20 12:42	
Terphenyl-d14 (S)	%	105	10-159	10/16/20 12:42	

LABORATORY CONTROL SAMPLE: 2130098

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	ug/L	2	1.5	77	57-110	
Benzo(a)pyrene	ug/L	2	1.6	80	70-120	
Benzo(b)fluoranthene	ug/L	2	1.5	77	54-97	
Benzo(g,h,i)perylene	ug/L	2	0.97	48	26-74	
Chrysene	ug/L	2	1.9	95	75-151	
Fluoranthene	ug/L	2	1.5	76	63-120	
Fluorene	ug/L	2	1.2	61	53-120	
Naphthalene	ug/L	2	1.1	57	41-120	
Phenanthrene	ug/L	2	1.3	67	47-100	
Pyrene	ug/L	2	1.7	86	70-128	
2-Fluorobiphenyl (S)	%			67	39-120	
Terphenyl-d14 (S)	%			108	10-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2130099 2130100

Parameter	Units	40216523006 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	MSD Result	MSD Spike Conc.						
Anthracene	ug/L	<0.000010 mg/L	2	2	1.4	1.5	69	74	16-114	7	36	
Benzo(a)pyrene	ug/L	<0.000011 mg/L	2	2	1.4	1.4	70	72	10-120	2	37	

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QUALITY CONTROL DATA

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2130099		2130100		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40216523006 Result	MS Spike Conc.	MSD Spike Conc.								
Benzo(b)fluoranthene	ug/L	<0.000005 7 mg/L	2	2	1.4	1.4	68	71	10-97	3	36	
Benzo(g,h,i)perylene	ug/L	<0.000006 8 mg/L	2	2	0.78	0.74	39	37	10-74	5	45	
Chrysene	ug/L	<0.000013 mg/L	2	2	1.7	1.8	86	88	10-161	2	30	
Fluoranthene	ug/L	<0.000011 mg/L	2	2	1.3	1.4	67	70	35-120	4	33	
Fluorene	ug/L	<0.000008 0 mg/L	2	2	1.1	1.3	56	64	17-120	12	33	
Naphthalene	ug/L	0.000030J mg/L	2	2	1.1	1.2	55	59	24-120	7	30	
Phenanthrene	ug/L	0.000014J mg/L	2	2	1.2	1.3	61	65	15-100	6	30	
Pyrene	ug/L	<0.000007 6 mg/L	2	2	1.6	1.6	79	81	14-137	3	31	
2-Fluorobiphenyl (S)	%						66	71	39-120			
Terphenyl-d14 (S)	%						96	96	10-159			

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QUALITY CONTROL DATA

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

QC Batch: 368477 Analysis Method: EPA 8270 by HVI
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by HVI
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40216446020, 40216446021, 40216446022, 40216446024, 40216446026, 40216446027, 40216446028, 40216446029, 40216446030, 40216446031

METHOD BLANK: 2130143 Matrix: Water
Associated Lab Samples: 40216446020, 40216446021, 40216446022, 40216446024, 40216446026, 40216446027, 40216446028, 40216446029, 40216446030, 40216446031

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Anthracene	ug/L	<0.010	0.052	10/16/20 17:20	
Benzo(a)pyrene	ug/L	<0.011	0.053	10/16/20 17:20	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	10/16/20 17:20	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	10/16/20 17:20	
Chrysene	ug/L	<0.013	0.065	10/16/20 17:20	
Fluoranthene	ug/L	<0.011	0.053	10/16/20 17:20	
Fluorene	ug/L	<0.0080	0.040	10/16/20 17:20	
Naphthalene	ug/L	<0.018	0.092	10/16/20 17:20	
Phenanthrene	ug/L	<0.014	0.069	10/16/20 17:20	
Pyrene	ug/L	<0.0076	0.038	10/16/20 17:20	
2-Fluorobiphenyl (S)	%	62	39-120	10/16/20 17:20	
Terphenyl-d14 (S)	%	100	10-159	10/16/20 17:20	

LABORATORY CONTROL SAMPLE: 2130144

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	ug/L	2	1.5	75	57-110	
Benzo(a)pyrene	ug/L	2	1.5	74	70-120	
Benzo(b)fluoranthene	ug/L	2	1.4	69	54-97	
Benzo(g,h,i)perylene	ug/L	2	0.92	46	26-74	
Chrysene	ug/L	2	1.8	92	75-151	
Fluoranthene	ug/L	2	1.4	70	63-120	
Fluorene	ug/L	2	1.2	62	53-120	
Naphthalene	ug/L	2	1.1	57	41-120	
Phenanthrene	ug/L	2	1.3	63	47-100	
Pyrene	ug/L	2	1.6	82	70-128	
2-Fluorobiphenyl (S)	%			66	39-120	
Terphenyl-d14 (S)	%			98	10-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2130145 2130146

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40216446026	Spike Conc.	Spike Conc.	Result								
Anthracene	ug/L	<0.010	2	2	1.1	1.3	55	66	16-114	18	36		
Benzo(a)pyrene	ug/L	<0.011	2	2	0.81	0.96	40	48	10-120	17	37		
Benzo(b)fluoranthene	ug/L	0.011J	2	2	0.78	0.98	38	49	10-97	23	36		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Parameter	Units	2130145		2130146		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40216446026 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Benzo(g,h,i)perylene	ug/L	<0.0068	2	2	0.40	0.43	20	22	10-74	9	45		
Chrysene	ug/L	<0.013	2	2	1.2	1.5	61	72	10-161	16	30		
Fluoranthene	ug/L	0.018J	2	2	1.1	1.3	53	62	35-120	16	33		
Fluorene	ug/L	<0.0080	2	2	0.98	1.1	48	57	17-120	16	33		
Naphthalene	ug/L	0.033J	2	2	0.95	1.1	46	53	24-120	13	30		
Phenanthrene	ug/L	0.018J	2	2	1.0	1.2	50	59	15-100	16	30		
Pyrene	ug/L	0.018J	2	2	1.3	1.5	62	73	14-137	16	31		
2-Fluorobiphenyl (S)	%						53	59	39-120				
Terphenyl-d14 (S)	%						67	76	10-159				

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QUALITY CONTROL DATA

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

QC Batch: 368607 Analysis Method: EPA 8270 by HVI
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by HVI
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40216446010

METHOD BLANK: 2131369 Matrix: Water
Associated Lab Samples: 40216446010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Anthracene	ug/L	<0.010	0.052	10/20/20 07:27	
Benzo(a)pyrene	ug/L	<0.011	0.053	10/20/20 07:27	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	10/20/20 07:27	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	10/20/20 07:27	
Chrysene	ug/L	<0.013	0.065	10/20/20 07:27	
Fluoranthene	ug/L	<0.011	0.053	10/20/20 07:27	
Fluorene	ug/L	<0.0080	0.040	10/20/20 07:27	
Naphthalene	ug/L	<0.018	0.092	10/20/20 07:27	
Phenanthrene	ug/L	0.047J	0.069	10/20/20 07:27	
Pyrene	ug/L	0.0093J	0.038	10/20/20 07:27	
2-Fluorobiphenyl (S)	%	55	39-120	10/20/20 07:27	
Terphenyl-d14 (S)	%	90	10-159	10/20/20 07:27	

LABORATORY CONTROL SAMPLE: 2131370

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	ug/L	2	1.6	78	57-110	
Benzo(a)pyrene	ug/L	2	1.7	83	70-120	
Benzo(b)fluoranthene	ug/L	2	1.4	72	54-97	
Benzo(g,h,i)perylene	ug/L	2	1.2	61	26-74	
Chrysene	ug/L	2	2.0	100	75-151	
Fluoranthene	ug/L	2	1.6	80	63-120	
Fluorene	ug/L	2	1.2	60	53-120	
Naphthalene	ug/L	2	1.0	51	41-120	
Phenanthrene	ug/L	2	1.3	65	47-100	
Pyrene	ug/L	2	1.8	90	70-128	
2-Fluorobiphenyl (S)	%			62	39-120	
Terphenyl-d14 (S)	%			105	10-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2131371 2131372

Parameter	Units	MS 40216753003		MSD 2131372		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Result	Spike Conc.						
Anthracene	ug/L	0.067	2	1.2	2	57	68	16-114	14	36	
Benzo(a)pyrene	ug/L	<0.010	2	1.1	2	54	71	10-120	24	37	
Benzo(b)fluoranthene	ug/L	<0.0056	2	0.98	2	49	61	10-97	20	36	
Benzo(g,h,i)perylene	ug/L	<0.0066	2	0.52	2	26	45	10-74	51	45 R1	

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QUALITY CONTROL DATA

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2131371		2131372		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40216753003 Result	MS Spike Conc.	MSD Spike Conc.									
Chrysene	ug/L	<0.013	2	2	1.5	1.8	73	91	10-161	20	30		
Fluoranthene	ug/L	0.061	2	2	1.2	1.4	56	69	35-120	18	33		
Fluorene	ug/L	0.043	2	2	0.99	1.2	47	60	17-120	22	33		
Naphthalene	ug/L	0.039J	2	2	0.87	1.1	41	52	24-120	20	30		
Phenanthrene	ug/L	0.015J	2	2	0.99	1.2	49	59	15-100	17	30		
Pyrene	ug/L	0.042	2	2	1.3	1.6	64	78	14-137	17	31		
2-Fluorobiphenyl (S)	%						48	61	39-120				
Terphenyl-d14 (S)	%						73	89	10-159				

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QUALITY CONTROL DATA

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

QC Batch: 368937 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: 40216446001, 40216446002, 40216446003, 40216446004

METHOD BLANK: 2132805 Matrix: Water
Associated Lab Samples: 40216446001, 40216446002, 40216446003, 40216446004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	10/22/20 21:05	

LABORATORY CONTROL SAMPLE: 2132806

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	21.1	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2132807 2132808

Parameter	Units	40216428001		2132807		2132808		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					MS % Rec
Sulfate	mg/L	71.5	400	400	400	501	500	107	107	90-110	0	15

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2132809 2132810

Parameter	Units	40216446004		2132809		2132810		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					MS % Rec
Sulfate	mg/L	44.0	200	200	200	259	255	108	105	90-110	2	15

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QUALITY CONTROL DATA

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

QC Batch:	369042	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: 40216446005, 40216446006, 40216446008, 40216446009, 40216446010, 40216446011, 40216446012, 40216446013, 40216446014, 40216446015, 40216446017, 40216446018, 40216446019, 40216446020, 40216446021, 40216446024

METHOD BLANK: 2133380 Matrix: Water
Associated Lab Samples: 40216446005, 40216446006, 40216446008, 40216446009, 40216446010, 40216446011, 40216446012, 40216446013, 40216446014, 40216446015, 40216446017, 40216446018, 40216446019, 40216446020, 40216446021, 40216446024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	10/23/20 20:26	

LABORATORY CONTROL SAMPLE: 2133381

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	21.3	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2133382 2133383

Parameter	Units	40216446005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	38.4	100	100	145	145	107	107	90-110	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2133384 2133385

Parameter	Units	40216447001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	134	100	100	236	231	102	97	90-110	2	15	

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QUALITY CONTROL DATA

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

QC Batch:	369164	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: 40216446001, 40216446002, 40216446003, 40216446004, 40216446005, 40216446006, 40216446008, 40216446009, 40216446010, 40216446011, 40216446012, 40216446013, 40216446014, 40216446015, 40216446017, 40216446018, 40216446019, 40216446020, 40216446021, 40216446024

METHOD BLANK: 2134031 Matrix: Water
Associated Lab Samples: 40216446001, 40216446002, 40216446003, 40216446004, 40216446005, 40216446006, 40216446008, 40216446009, 40216446010, 40216446011, 40216446012, 40216446013, 40216446014, 40216446015, 40216446017, 40216446018, 40216446019, 40216446020, 40216446021, 40216446024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<7.4	24.8	10/23/20 12:07	

LABORATORY CONTROL SAMPLE: 2134032

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2134033 2134034

Parameter	Units	40216446004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	362	500	500	880	878	104	103	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2134035 2134036

Parameter	Units	40216446021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	596	1000	1000	1640	1610	104	102	90-110	1	20	

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QUALITY CONTROL DATA

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

QC Batch:	368490	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: 40216446001, 40216446002, 40216446003, 40216446004, 40216446005, 40216446006, 40216446008, 40216446009, 40216446010

METHOD BLANK: 2130200 Matrix: Water
Associated Lab Samples: 40216446001, 40216446002, 40216446003, 40216446004, 40216446005, 40216446006, 40216446008, 40216446009, 40216446010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.059	0.25	10/16/20 11:53	

LABORATORY CONTROL SAMPLE: 2130201

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.5	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2130202 2130203

Parameter	Units	40216446004 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	2.4	2.4	96	96	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2130204 2130205

Parameter	Units	40216446010 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	2.4	2.4	96	96	90-110	0	20	

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QUALITY CONTROL DATA

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

QC Batch:	368491	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: 40216446011, 40216446012, 40216446013, 40216446014, 40216446015, 40216446017, 40216446018, 40216446019, 40216446020, 40216446021, 40216446024

METHOD BLANK: 2130206 Matrix: Water
Associated Lab Samples: 40216446011, 40216446012, 40216446013, 40216446014, 40216446015, 40216446017, 40216446018, 40216446019, 40216446020, 40216446021, 40216446024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.059	0.25	10/16/20 12:14	

LABORATORY CONTROL SAMPLE: 2130207

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2130208 2130209

Parameter	Units	40216446021 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	2.1	2.1	82	82	90-110	1	20	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2130210 2130211

Parameter	Units	40216532009 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	2.4	2.4	94	94	90-110	0	20	

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QUALIFIERS

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

- 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.
- E Analyte concentration exceeded the calibration range. The reported result is estimated.
- 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.
- M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
- R1 RPD value was outside control limits.
- S4 Surrogate recovery not evaluated against control limits due to sample dilution.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40216446001	101220001	EPA 8015B Modified	368631		
40216446002	101220002	EPA 8015B Modified	368631		
40216446003	101220003	EPA 8015B Modified	368631		
40216446004	101220004	EPA 8015B Modified	368631		
40216446005	101220005	EPA 8015B Modified	368631		
40216446006	101220006	EPA 8015B Modified	368631		
40216446008	101220007	EPA 8015B Modified	368631		
40216446009	101220008	EPA 8015B Modified	368631		
40216446010	101220009	EPA 8015B Modified	368631		
40216446011	101220010	EPA 8015B Modified	368631		
40216446012	101220011	EPA 8015B Modified	369069		
40216446013	101220012	EPA 8015B Modified	369069		
40216446014	101220013	EPA 8015B Modified	369069		
40216446015	101220014	EPA 8015B Modified	369069		
40216446017	101320015	EPA 8015B Modified	369069		
40216446018	101320016	EPA 8015B Modified	369069		
40216446019	101320017	EPA 8015B Modified	369069		
40216446020	101320018	EPA 8015B Modified	369069		
40216446021	101320019	EPA 8015B Modified	369069		
40216446022	101320026	EPA 8015B Modified	369069		
40216446023	101320027	EPA 8015B Modified	369069		
40216446024	101320028	EPA 8015B Modified	369069		
40216446001	101220001	EPA 3010	368309	EPA 6020	368398
40216446002	101220002	EPA 3010	368309	EPA 6020	368398
40216446003	101220003	EPA 3010	368309	EPA 6020	368398
40216446004	101220004	EPA 3010	368309	EPA 6020	368398
40216446005	101220005	EPA 3010	368309	EPA 6020	368398
40216446006	101220006	EPA 3010	368309	EPA 6020	368398
40216446008	101220007	EPA 3010	368309	EPA 6020	368398
40216446009	101220008	EPA 3010	368309	EPA 6020	368398
40216446010	101220009	EPA 3010	368309	EPA 6020	368398
40216446011	101220010	EPA 3010	368309	EPA 6020	368398
40216446012	101220011	EPA 3010	368309	EPA 6020	368398
40216446013	101220012	EPA 3010	368309	EPA 6020	368398
40216446014	101220013	EPA 3010	368309	EPA 6020	368398
40216446015	101220014	EPA 3010	368309	EPA 6020	368398
40216446017	101320015	EPA 3010	368309	EPA 6020	368398
40216446018	101320016	EPA 3010	368309	EPA 6020	368398
40216446019	101320017	EPA 3010	368309	EPA 6020	368398
40216446020	101320018	EPA 3010	368309	EPA 6020	368398
40216446021	101320019	EPA 3010	368309	EPA 6020	368398
40216446024	101320028	EPA 3010	368309	EPA 6020	368398
40216446001	101220001	EPA 3510	368319	EPA 8270 by HVI	368390
40216446002	101220002	EPA 3510	368319	EPA 8270 by HVI	368390
40216446003	101220003	EPA 3510	368319	EPA 8270 by HVI	368390
40216446004	101220004	EPA 3510	368319	EPA 8270 by HVI	368390
40216446005	101220005	EPA 3510	368319	EPA 8270 by HVI	368390

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 3400010643 MARINETTE FORMER MG

Pace Project No.: 40216446

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40216446006	101220006	EPA 3510	368319	EPA 8270 by HVI	368390
40216446008	101220007	EPA 3510	368319	EPA 8270 by HVI	368390
40216446009	101220008	EPA 3510	368319	EPA 8270 by HVI	368390
40216446010	101220009	EPA 3510	368607	EPA 8270 by HVI	368708
40216446011	101220010	EPA 3510	368319	EPA 8270 by HVI	368390
40216446012	101220011	EPA 3510	368319	EPA 8270 by HVI	368390
40216446013	101220012	EPA 3510	368319	EPA 8270 by HVI	368390
40216446014	101220013	EPA 3510	368319	EPA 8270 by HVI	368390
40216446015	101220014	EPA 3510	368319	EPA 8270 by HVI	368390
40216446017	101320015	EPA 3510	368465	EPA 8270 by HVI	368501
40216446018	101320016	EPA 3510	368465	EPA 8270 by HVI	368501
40216446019	101320017	EPA 3510	368465	EPA 8270 by HVI	368501
40216446020	101320018	EPA 3510	368477	EPA 8270 by HVI	368540
40216446021	101320019	EPA 3510	368477	EPA 8270 by HVI	368540
40216446022	101320026	EPA 3510	368477	EPA 8270 by HVI	368540
40216446024	101320028	EPA 3510	368477	EPA 8270 by HVI	368540
40216446026	101320020	EPA 3510	368477	EPA 8270 by HVI	368540
40216446027	101320021	EPA 3510	368477	EPA 8270 by HVI	368540
40216446028	101320022	EPA 3510	368477	EPA 8270 by HVI	368540
40216446029	101320023	EPA 3510	368477	EPA 8270 by HVI	368540
40216446030	101320024	EPA 3510	368477	EPA 8270 by HVI	368540
40216446031	101320025	EPA 3510	368477	EPA 8270 by HVI	368540
40216446001	101220001	EPA 8260	368570		
40216446002	101220002	EPA 8260	368483		
40216446003	101220003	EPA 8260	368483		
40216446004	101220004	EPA 8260	368483		
40216446005	101220005	EPA 8260	368483		
40216446006	101220006	EPA 8260	368483		
40216446007	TB-01	EPA 8260	368483		
40216446008	101220007	EPA 8260	368483		
40216446009	101220008	EPA 8260	368483		
40216446010	101220009	EPA 8260	368483		
40216446011	101220010	EPA 8260	368483		
40216446012	101220011	EPA 8260	368483		
40216446013	101220012	EPA 8260	368483		
40216446014	101220013	EPA 8260	368570		
40216446015	101220014	EPA 8260	368570		
40216446016	TB-02	EPA 8260	368570		
40216446017	101320015	EPA 8260	368570		
40216446018	101320016	EPA 8260	368570		
40216446019	101320017	EPA 8260	368570		
40216446020	101320018	EPA 8260	368570		
40216446021	101320019	EPA 8260	368570		
40216446022	101320026	EPA 8260	368570		
40216446023	101320027	EPA 8260	368570		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40216446024	101320028	EPA 8260	368570		
40216446025	TB-03	EPA 8260	368570		
40216446026	101320020	EPA 8260	368570		
40216446027	101320021	EPA 8260	368570		
40216446028	101320022	EPA 8260	368570		
40216446029	101320023	EPA 8260	368570		
40216446030	101320024	EPA 8260	368570		
40216446031	101320025	EPA 8260	368570		
40216446032	TB-04	EPA 8260	368570		
40216446001	101220001	EPA 300.0	368937		
40216446002	101220002	EPA 300.0	368937		
40216446003	101220003	EPA 300.0	368937		
40216446004	101220004	EPA 300.0	368937		
40216446005	101220005	EPA 300.0	369042		
40216446006	101220006	EPA 300.0	369042		
40216446008	101220007	EPA 300.0	369042		
40216446009	101220008	EPA 300.0	369042		
40216446010	101220009	EPA 300.0	369042		
40216446011	101220010	EPA 300.0	369042		
40216446012	101220011	EPA 300.0	369042		
40216446013	101220012	EPA 300.0	369042		
40216446014	101220013	EPA 300.0	369042		
40216446015	101220014	EPA 300.0	369042		
40216446017	101320015	EPA 300.0	369042		
40216446018	101320016	EPA 300.0	369042		
40216446019	101320017	EPA 300.0	369042		
40216446020	101320018	EPA 300.0	369042		
40216446021	101320019	EPA 300.0	369042		
40216446024	101320028	EPA 300.0	369042		
40216446001	101220001	EPA 310.2	369164		
40216446002	101220002	EPA 310.2	369164		
40216446003	101220003	EPA 310.2	369164		
40216446004	101220004	EPA 310.2	369164		
40216446005	101220005	EPA 310.2	369164		
40216446006	101220006	EPA 310.2	369164		
40216446008	101220007	EPA 310.2	369164		
40216446009	101220008	EPA 310.2	369164		
40216446010	101220009	EPA 310.2	369164		
40216446011	101220010	EPA 310.2	369164		
40216446012	101220011	EPA 310.2	369164		
40216446013	101220012	EPA 310.2	369164		
40216446014	101220013	EPA 310.2	369164		
40216446015	101220014	EPA 310.2	369164		
40216446017	101320015	EPA 310.2	369164		
40216446018	101320016	EPA 310.2	369164		
40216446019	101320017	EPA 310.2	369164		
40216446020	101320018	EPA 310.2	369164		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 3400010643 MARINETTE FORMER MG
Pace Project No.: 40216446

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40216446021	101320019	EPA 310.2	369164		
40216446024	101320028	EPA 310.2	369164		
40216446001	101220001	EPA 353.2	368490		
40216446002	101220002	EPA 353.2	368490		
40216446003	101220003	EPA 353.2	368490		
40216446004	101220004	EPA 353.2	368490		
40216446005	101220005	EPA 353.2	368490		
40216446006	101220006	EPA 353.2	368490		
40216446008	101220007	EPA 353.2	368490		
40216446009	101220008	EPA 353.2	368490		
40216446010	101220009	EPA 353.2	368490		
40216446011	101220010	EPA 353.2	368491		
40216446012	101220011	EPA 353.2	368491		
40216446013	101220012	EPA 353.2	368491		
40216446014	101220013	EPA 353.2	368491		
40216446015	101220014	EPA 353.2	368491		
40216446017	101320015	EPA 353.2	368491		
40216446018	101320016	EPA 353.2	368491		
40216446019	101320017	EPA 353.2	368491		
40216446020	101320018	EPA 353.2	368491		
40216446021	101320019	EPA 353.2	368491		
40216446024	101320028	EPA 353.2	368491		

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40216446 706193
73068-1020-001

Page 81 of 87

Section A Required Client Information: Company: O'Brien and Gere Engineers, Inc. Address: 234 W. Florida St Milwaukee, WI Email To: GDSdata@OBG.com Phone: 773-796-4359 Fax: Requested Due Date/TAT: standard	Section B Required Project Information: Report To: GDSdata@OBG.com Copy To: Marcus Byker Purchase Order No.: 3400010643 Project Name: Marinette Former MGP Project Number: 73068/102	Section C Invoice Information: Attention: Accounts Payable Company Name: WEC Business Services, LLC Address: PO Box 19800, Green Bay, WI 54307 Pace Quote Reference: 3400010643 Pace Project Manager: Pace Profile #:	Page: 1 of 4
REGULATORY AGENCY <input type="checkbox"/> NPDES <input checked="" type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER			STATE: WI

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / . -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓	Requested Analysis Filtered (Y/N)								Pace Project No / Lab I.D.					
		MATRIX	CODE			COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		BTEX 8260B	Methane 8015B	PAH 8270-SIM	Metals 6020A *	Alkalinity 310.2	Sulfate 300.0	Nitrate & Nitrite 353.2	Benzene + Ethylbenzene		PAH 8270-SIM **	VOCs 5035/8260B	Metals 6020 or 7470A ***	Residual Chlorine (Y/N)	
		DRINKING WATER	DW			DATE	TIME	DATE	TIME																									
		WATER	WT																															
1	101220001	WT	G			EBP		10/12/20																				N		001				
2	101220002	WT	G																											002				
3	101220003	WT	G																											003				
4	101220004	WT	G																											004				
5	101220005	WT	G																											005				
6	101220006	WT	G																											006				
7	TB-01	LAB	-																											007				
10																																		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
EPA Level 2	<i>[Signature]</i> RAMBSIL	10/13/20	1714	<i>[Signature]</i> Sean Kopp Pace	10/13/20	1714	ROI	Y	N	Y
*Dissolved Metals: Aluminum, Antimony, Copper, Iron, Manganese, Nickel, Silver, Vanadium, Zinc.										
**Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, and Naphthalene										
***Total Metals: Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, S, Ti, Sn, Tl, W, V, Zn										

SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: <i>Ervan Plank</i> SIGNATURE of SAMPLER: <i>[Signature]</i>		DATE Signed (MM/DD/YY): 10/13/20	Temp in °C:	Received on Ice (Y/N):	Custody Sealed Cooler (Y/N):	Samples Intact (Y/N):
--	--	----------------------------------	-------------	------------------------	------------------------------	-----------------------

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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40216446
73068-1020-002

QC: *[Signature]*

Page 82 of 88

Page: **2** of **4**

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	REGULATORY AGENCY
Company: O'Brien and Gere Engineers, Inc.	Report To: GDSdata@OBG.com	Attention: Accounts Payable	<input type="checkbox"/> NPDES <input checked="" type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER _____
Address: 234 W. Florida St Milwaukee, WI	Copy To: Marcus Byker	Company Name: WEC Business Services, LLC	
Email To: GDSdata@OBG.com	Purchase Order No.: 3400010643	Address: PO Box 19800, Green Bay, WI 54307	Site Location WI STATE:
Phone: 773-796-4359 Fax: _____	Project Name: Marinette Former MGP	Pace Quote Reference: 3400010643	
Requested Due Date/TAT: standard	Project Number: 73068/102	Pace Project Manager:	
		Pace Profile #:	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Requested Analysis Filtered (Y/N)								Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.																												
					DATE	TIME	DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test ↓	BTEX 8260B	Methane 8015B	PAH 8270-SIM	Metals 6020A *	Alkalinity 310.2	Sulfate 300.0	Nitrate & Nitrite 353.2			Benzene + Ethylbenzene	PAH 8270-SIM**	VOCs 5035/8260B	Metals 6020 or 7470A***																								
1	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	WT G	G	G	E6D	10/12/20	14:36	11	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	N	008																												
2																													10/12/20	15:09	11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	009	
3																													10/12/20	15:14	11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	010
4																													10/12/20	15:43	11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	011
5																													10/12/20	16:18	11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	012
6																													10/12/20	16:58	11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	013
7																													10/12/20	17:35	11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	014
8																													10/12/20	18:00	11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	015
9																													TB-02	LAB -						2					X															016
10																																																								
11																																																								
12																																																								

ADDITIONAL COMMENTS EPA Level 2	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	<i>Ducard RAMBOL</i>	10-13-20	1714	<i>Sean Kopp Pace</i>	10/13/20	1714	ROI	Y	N	Y
	*Dissolved Metals: Aluminum, Antimony, Copper, Iron, Manganese, Nickel, Silver, Vanadium, Zinc.									
	**Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, and Naphthalene									
***Total Metals: Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, S, Ti, Sn, Tl, W, V, Zn										
SAMPLER NAME AND SIGNATURE							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Evvan Plank</i>										
SIGNATURE of SAMPLER: <i>[Signature]</i>						DATE Signed (MM/DD/YY): <i>10/13/20</i>				



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40216446
Case#: 73068-1020-003

Page 83 of 87

Page: 3 of 4

QC: [Signature]

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: O'Brien and Gere Engineers, Inc.	Report To: GDSdata@OBG.com	Attention: Accounts Payable		Company Name: WEC Business Services, LLC	
Address: 234 W. Florida St Milwaukee, WI	Copy To: Marcus Byker	Address: PO Box 19800, Green Bay, WI 54307		REGULATORY AGENCY	
Email To: GDSdata@OBG.com	Purchase Order No.: 3400010643	Pace Quote Reference: 3400010643		<input type="checkbox"/> NPDES <input checked="checked" type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER	
Phone: 773-796-4359 Fax:	Project Name: Marinette Former MGP	Pace Project Manager:		Site Location	
Requested Due Date/TAT: standard	Project Number: 73068/102	Pace Profile #:		STATE: WI	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)								Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.	
					COMPOSITE START	COMPOSITE END/GRAB					Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		BTEX 8260B	Methane 8015B	PAH 8270-SIM	Metals 6020A*	Alkalinity 310.2	Sulfate 300.0	Nitrate & Nitrite 353.2	Benzene + Ethylbenzene			PAH 8270-SIM**
	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE				DATE	TIME	DATE	TIME																						
1	101320015		WT	G			10/13/20	07:14	11	X	X	X	X						X	X	X	X	X	X	X	X	X			017
2	101320016		WT	G				08:00	11	X	X	X	X						X	X	X	X	X	X	X	X	X			018
3	101320017		WT	G				08:29	11	X	X	X	X						X	X	X	X	X	X	X	X	X			019
4	101320018		WT	G				09:05	11	X	X	X	X						X	X	X	X	X	X	X	X	X			020
5	101320019		WT	G				09:10	12	X	X	X	X						X	X	X	X	X	X	X	X	X			021
6	101320020		WT	G					11	X	X	X	X						X	X	X	X	X	X	X	X	X			E6P 10/13/20
7	101320020		WT	G				09:50	4	X			X						X	X	X	X	X	X	X	X	X			E6P 10/13/20
8	101320026		WT	G				14:00	8	X			X						X	X	X	X	X	X	X	X	X			022
9	101320027		WT	G				13:45	6	X			X						X	X	X	X	X	X	X	X	X			023
10	101320028		D1	G	E6P	10/13/20		15:45	11	X	X	X	X						X	X	X	X	X	X	X	X	X			024
11	1B-03		LAB	-				-	2				X						X											025

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
EPA Level 2	<i>[Signature]</i> RAMBL	10/13/20	1714	<i>[Signature]</i> Evan Kapp Pace	10/13/20	1714	ROT	Y	N	Y
*Dissolved Metals: Aluminum, Antimony, Copper, Iron, Manganese, Nickel, Silver, Vanadium, Zinc.										
**Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, and Naphthalene										
***Total Metals: Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, S, Ti, Sn, Tl, W, V, Zn										

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	<i>Evan Kapp Pace</i>				
SIGNATURE of SAMPLER:	<i>[Signature]</i>	DATE Signed (MM/DD/YYYY):	10/13/20		

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.



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40216446
 Cc#: 73068-1020-009

Page 84 of 84

Page: 4 of 4

QC: *[Signature]*

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		REGULATORY AGENCY	
Company: O'Brien and Gere Engineers, Inc.		Report To: GDSdata@OBG.com		Attention: Accounts Payable		<input type="checkbox"/> NPDES <input checked="" type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER	
Address: 234 W. Florida St Milwaukee, WI		Copy To: Marcus Byker		Company Name: WEC Business Services, LLC		<input type="checkbox"/> NPDES <input checked="" type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER	
Email To: GDSdata@OBG.com		Purchase Order No.: 3400010643		Pace Quote Reference: 3400010643		Site Location STATE: WI	
Phone: 773-796-4359 Fax:		Project Name: Marinette Former MGP		Pace Project Manager:		<div style="background-color: #cccccc; width: 100%; height: 100%;"></div>	
Requested Due Date/TAT: standard		Project Number: 73068/102		Pace Profile #:			

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓	Requested Analysis Filtered (Y/N)								Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.	
					COMPOSITE START	COMPOSITE END/GRAB	DATE	TIME			DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃		Methanol	Other	BTEX 8260B	Methane 8015B	PAH 8270-SIM	Metals 6020A *	Alkalinity 310.2	Sulfate 300.0			Nitrate & Nitrite 353.2
1	101320020		WT	G			10/13/20	09:50	5	X	X									X	X									026
2	101320021							10:30	5	X	X									X	X									027
3	101320022							11:20	5	X	X									X	X									028
4	101320023							12:29	5	X	X									X	X									029
5	101320024							13:07	5	X	X									X	X									030
6	101320025							13:12	5	X	X									X	X									031
7	TB-04		LAB	-				-	2		X										X									032
8																														
9																														
10																														
11																														
12																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
EPA Level 2	<i>[Signature]</i> Ramboll	10-13-20	1714	Sean Kopp Pace	10/13/20	1714	RoI	Y	N	Y
*Dissolved Metals: Aluminum, Antimony, Copper, Iron, Manganese, Nickel, Silver, Vanadium, Zinc,										
**Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, and Naphthalene										
***Total Metals: Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, S, Ti, Sn, Tl, W, V, Zn										

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples intact (Y/N)
PRINT Name of SAMPLER:	<i>[Signature]</i>				
SIGNATURE of SAMPLER:	<i>[Signature]</i>				
DATE Signed (MM/DD/YY):	10/13/20				

Sample Preservation Receipt Form

Page 85 of 88

Client Name: OBG

Project # 40216446

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

Initial when completed: JKW Date/Time:

Lab Lot# of pH paper: 10D4194 Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass						Plastic					Vials				Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)								
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U								WGFU	WPFU	SP5T	ZPLC	GN			
001						2				1		1				6													X						2.5 / 5 / 10	
002						2				1		1				6													X						2.5 / 5 / 10	
003						2				1		1				6													X						2.5 / 5 / 10	
004						6				3		3	3			18													X						2.5 / 5 / 10	
005						2				1		1				6													X						2.5 / 5 / 10	
006						2				1		1				6													X						2.5 / 5 / 10	
007																2																			2.5 / 5 / 10	
008						2				1		1				6													X						2.5 / 5 / 10	
009						2				1		1				6													X						2.5 / 5 / 10	
010						2				1		1				6													X						2.5 / 5 / 10	
011						2				1		1				6													X						2.5 / 5 / 10	
012						2				1		1				6													X						2.5 / 5 / 10	
013						2				1		1				6													X						2.5 / 5 / 10	
014						2				1		1				6													X						2.5 / 5 / 10	
015						2				1		1				6													X						2.5 / 5 / 10	
016																2																				2.5 / 5 / 10
017						2				1		1				6													X						2.5 / 5 / 10	
018						2				1		1				6													X						2.5 / 5 / 10	
019						2				1		1				6													X						2.5 / 5 / 10	
020						2				1		1				6													X						2.5 / 5 / 10	

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

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

Sample Preservation Receipt Form

Client Name: OBG

Project #: 40216446

Pace Lab #	Glass							Plastic					Vials				Jars				General			VOA Vials (>6mm) *	H ₂ SO ₄ pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO ₃ pH ≤2	pH after adjusted	Volume (mL)										
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU								SP5T	ZPLC	GN							
021						2				1		1	1																						X					2.5/5/10
022						2																													X					2.5/5/10
023																																								2.5/5/10
024						2				1		1	1																						X					2.5/5/10
025																																								2.5/5/10
026	2																																							2.5/5/10
027	2																																							2.5/5/10
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10/14/20
 8800

Sample Condition Upon Receipt Form (SCUR)

Client Name: OBG
 Courier: CS Logistics Fed Ex Speedee UPS Waitco
 Client Pace Other: _____

Project #:

WO# : 40216446



40216446

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 - 86 **Type of Ice:** Wet Blue Dry None Samples on ice, cooling process has begun
Cooler Temperature Uncorr: 0 / ICorr: 0.5
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: 10/14/20 Initials: SKW

Labeled By Initials: JAS

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>006 - time 1404.</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>		<u>10/14/20</u> <u>SKW</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>448</u>		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____

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