Wisconsin Public Service Corporation
700 North Adams Street
P.O. Box 19001
Green Bay, WI 54307-9001
www.wisconsinpublicservice.com

Mr. Brian Miller
City of Marinette
1905 Hall Avenue
Marinette, WI, 54143

September 25, 2020
(73068)

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

Dear Mr. Miller,

WEC Business Services, LLC (WBS), managing the Wisconsin Public Service Corporation (WPSC) former manufactured gas plant site at 1603 Ely Street, is providing groundwater samples results collected as part of semi-annual monitoring from locations MW03R, MW05, MW01R, MW302-MW305, MW307R, MW308, MW310, MW311, MW312, MW313, and P302-P305 collected between May 12 and 14, 2020. Also included in this submittal are results from the six newly installed wells that were completed as part of the USEPA-required Pre-design Investigation. Wisconsin Administrative Code Chapter NR716.14 requires responsible parties (WPSC for the above mentioned site) to report sampling results to the property owner, and occupant, as applicable.

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

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

Sincerely,

Frank Dombrowski

Principal Environmental Consultant
WEC Business Services – Environmental Department

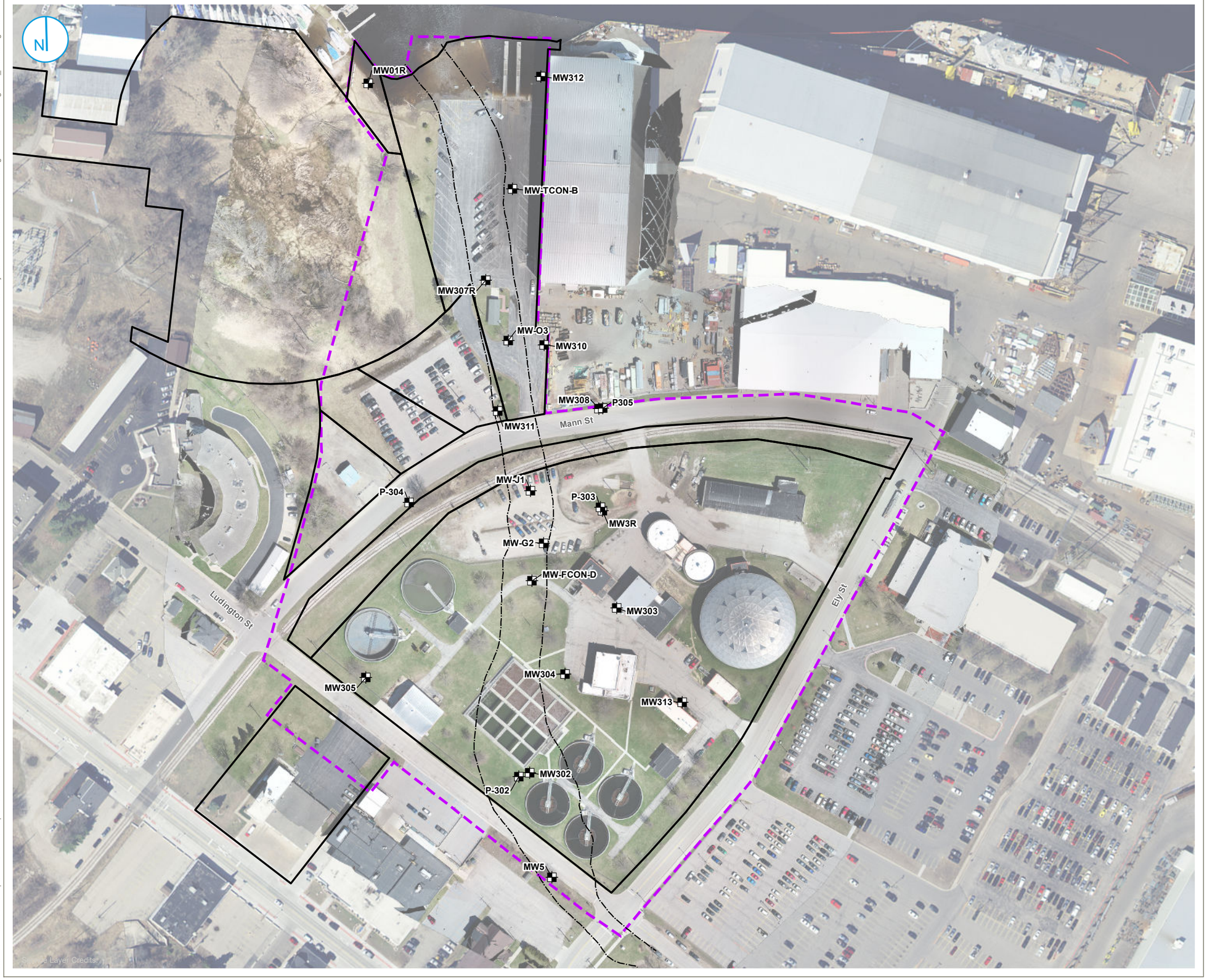
Enc: Figure 1. Monitoring Well Locations - City of Marinette
Table 1. Groundwater Analytical Results for the City of Marinette
Laboratory Data Report 40207767_frc

CC: USEPA RPM – Margaret Gielniewski (email only)
WDNR PM – Kevin McKnight (email and hard copy)
City of Marinette – Steve Genisot, Warren Howard

RECENT SAMPLING RESULTS

WPSC Former Marinette MGP Site
1603 Ely Street, Marinette, Wisconsin
WDNR BRRTS Activity # 02-38-000047

FIGURES



EXISTING MONITORING WELL LOCATION

FORMER SLOUGH/ LOG RUN

PARCEL BOUNDARY (MARINETTE COUNTY, ACCESSED 7/16/2018)

APPROXIMATE EXTENT OF UPLAND SITE

0 75 150 Feet

MONITORING WELL LOCATIONS - CITY OF MARINETTE

WPSC MARINETTE FORMER MGP SITE
MARINETTE, WISCONSIN

FIGURE 1

RAMBOLL US CORPORATION
A RAMBOLL COMPANY

RAMBOLL

Y:\GIS\Projects\15\11549\MXD\RemedialDesign\WP\Fieldwork\Figure 1_Monitoring Wells.mxd

PROJECT: 169000XXXX | DATED: 8/7/2020 | DESIGNER: STOLZSD

TABLES

Table 1. Groundwater Analytical Results for the City of Marinette

May 2020 Sample Results Notification
Wisconsin Public Service Corporation - Former Marinette Manufactured Gas Plant
Marinette, Wisconsin
BRRTS# 0238000047
CERCLIS ID -WIN000509952

			BTEX		BTEX		BTEX		BTEX		BTEX		PAH		PAH		PAH		PAH		PAH		PAH		PAH		PAH	
9-Digit Code	Sample Location	Sample Date	Benzene		Ethylbenzene		Toluene		Xylene, o		Xylenes, m + p		Xylenes, Total		Anthracene		Benzo(a)pyrene		Benzo(b)fluoranthene		Benzo(g,h,i)perylene		Chrysene		Fluoranthene		Fluorene		Naphthalene		Phenanthrene		Pyrene	
Reporting Units:			µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
WI Groundwater ES:			**5**		**700**		**800**		**NS**		**NS**		**2,000**		**3,000**		**0.2**		**0.2**		**NS**		**0.2**		**400**		**400**		**100**		**NS**		**250**	
WI Groundwater PAL:			0.5		140		160		NS		NS		400		600		0.02		0.02		NS		0.02		80		80		10		NS		50	
051320009	MW03R	5/13/2020	<0.25	U	<0.32	U	<0.27	U	<0.26	U	<0.47	U	<1.5	U	0.019	J	<0.011	U	0.019	J	0.029	J	0.037	J	0.030	J	<0.0083	U	0.042	J	0.028	J	0.013	J
051320006	MW05	5/13/2020	<0.25	U	<0.32	U	<0.27	U	<0.26	U	<0.47	U	<1.5	U	<0.010	U	<0.010	U	0.0086	J	0.011	J	<0.013	U	<0.010	U	<0.0077	U	0.057	J	0.016	J	<0.0074	U
051320018	MW01R	5/13/2020	<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	<0.019	U	<0.014	U	<0.0078	U
051220002	MW302	5/12/2020	<0.25	U	<0.32	U	<0.27	U	<0.26	U	<0.47	U	<1.5	U	0.030	J	0.099		0.13		0.081		0.093		0.093		<0.0090	U	<0.021	U	0.020	J	0.073	
051320007	MW303	5/13/2020	<0.25	U	<0.32	U	<0.27	U	<0.26	U	<0.47	U	<1.5	U	0.052	J	0.015	J	0.013	J	0.034	J	0.046	J	0.032	J	<0.0089	U	0.089	J	0.061	J	0.032	J
051320008	MW303-Dup	5/13/2020	<0.25	U	<0.32	U	<0.27	U	<0.26	U	<0.47	U	<1.5	U	0.027	J	<0.012	U	0.030	J	0.020	J	0.023	J	0.025	J	<0.0088	U	<0.020	U	0.023	J	0.018	J
051320019	MW304	5/13/2020	**76.2**		7.9		13.3		6.6		7.6		14.3		0.18		<0.033 *	U	0.019	J	0.034	J	<0.041 *	U	0.072	J	0.48		26.6		0.26		<0.024	U
051220001	MW305	5/12/2020	<0.25	U	<0.32	U	<0.27	U	<0.26	U	<0.47	U	<1.5	U	0.026	J	0.016	J	0.025	J	0.027	J	0.023	J	0.021	J	<0.0083	U	0.023	J	0.027	J	<0.0080	U
051320016	MW307R	5/13/2020	<0.25	U	<0.32	U	<0.27	U	<0.26	U	<0.47	U	<1.5	U	0.044	J	0.059		0.093		0.053		0.11		0.31		0.35		0.067	J	0.044	J	0.29	
051320010	MW308	5/13/2020	<0.25	U	<0.32	U	<0.27	U	<0.26	U	<0.47	U	<1.5	U	<0.011	U	0.041	J	0.063		0.042		0.062	J	0.13		<0.0083	U	<0.019	U	0.063	J	0.10	
051320011	MW308-Dup	5/13/2020	<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	<0.0078	U	<0.018	U	<0.014	U	0.0093	J
051320015	MW310	5/13/2020	<0.25	U	<0.32	U	<0.27	U	<0.26	U	<0.47	U	<1.5	U	0.012	J	0.019	J	0.034		0.020	J	0.031	J	0.061		0.010	J	<0.019	U	0.019	J	0.052	
051320014	MW311	5/13/2020	**52.2**		55.9		3.8		36.0		11.2		47.2		4.2		<0.53 *	U	<0.29 *	U	<0.34	U	<0.65 *	U	2.5	J	24.7		**382**		21.5		2.2	
051320017	MW312	5/13/2020	<0.25	U	<0.32	U	<0.27	U	<0.26	U	<0.47	U	<1.5	U	0.045	J	0.041	J	0.057		0.030	J	0.072		0.20		0.15		0.027	J	0.17		0.17	
051220004	MW313	5/12/2020	<0.25	U	<0.32	U	<0.27	U	<0.26	U	<0.47	U	<1.5	U	<0.010	U	<0.011	U	<0.0057	U	0.015	J	<0.013	U	0.017	J	0.033	J	<0.018	U	<0.014	U	<0.0076	U
051420026	MWFCOND	5/14/2020	**1,320**		150		--		--		--		--		--		**6.2**	J	**6.7**	J	--		**8.7**	J	--		--		**3,850**		--		--	
051420024	MWG2	5/14/2020	**870**		**1,040**		--		--		--		--		--		<5.1 *	U	**4.2**	J	--		**6.7**	J	--		--		**3,950**		--		--	
051420025	MWG2-Dup	5/14/2020	**757**		**863**		--		--		--		--		--		<3.1 *	U	**1.9**	J	--		**4.2**	J	--		--		**2,180**		--		--	
051320022	MWJ1	5/13/2020	**1,760**		198		--		--		--		--		--		<4.2 *	U	**4.4**	J	--		<5.2 *	U	--		--		**2,660**		--		--	
051320021	MWO3	5/13/2020	**1,620**		**2,260**		--		--		--		--		--		<5.3 *	U	<2.9 *	U	--		<6.5 *	U	--		--		**5,020**		--		--	
051320020	MWTCONB	5/13/2020	<0.25	U	<0.32	U	--		--		--		--		--		<0.011	U	0.0063	J	--		<0.014	U	--		--		0.47		--		--	
051220003	P302	5/12/2020	<0.25	U	<0.32	U	<0.27	U	<0.26	U	<0.47	U	<1.5	U	<0.011	U	<0.011	U	<0.0061	U	0.011	J	<0.014	U	<0.011	U	<0.0085	U	<0.020	U	<0.015	U	<0.0081	U
051420027	P303	5/14/2020	<0.25	U	<0.32	U	<0.27	U	<0.26	U	<0.47	U	<1.5	U	<0.010	U	<0.010	U	<0.0057	U	<0.0067	U	<0.013	U	<0.011	U	<0.0079	U	0.036	J	<0.014	U	<0.0076	U
051420028	P304	5/14/2020	<0.25	U	<0.32	U	<0.27	U	<0.26	U	<0.47	U	<1.5	U	<0.011	U	0.038	J	0.014	J	0.010	J	<0.014	U	0.018	J	<0.0083	U	<0.019	U	<0.014	U	0.015	J
051320012	P305	5/13/2020	<0.25	U	<0.32	U	<0.27	U	<0.26	U	<0.47	U	<1.5	U	<0.0099	U	<0.0099	U	0.014	J	0.0098	J	<0.012	U	0.045	J	0.015	J	<0.017	U	<0.013	U	0.033	J

Notes:

Bold	concentration that attains or exceeds WDNR ES
Underlined	concentration that attains or exceeds WDNR PAL

* = Level of Detection (LOD) meets or exceeds the PAL and/or the ES Groundwater Criteria

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

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

< = Concentration is less than the Limit of Detection (LOD)
µg/L = micrograms per liter
BTEX = Benzene, Toluene, Ethylbenzene and Xylene
Dup = Quality Control Field Duplicate Sample

ES = Enforcement Standard
J = Concentration Estimated
NO2 + NO3 = nitrite plus nitrate
NS = No Standard

PAH = Polycyclic Aromatic Hydrocarbon
PAL = Preventive Action Limit
U = Concentration was not detected above the reported limit

Table 1. Groundwater Analytical Results for the City of Marinette

May 2020 Sample Results Notification
Wisconsin Public Service Corporation - Former Marinette Manufactured Gas Plant
Marinette, Wisconsin
BRRTS# 0238000047
CERCLIS ID -WIN000509952

			Metal		Metal		Metal		Metal		Metal		Metal		Metal		Inorganic		Inorganic		Inorganic		Organic	
9-Digit Code	Sample Location	Sample Date	Aluminum, Dissolved		Antimony, Dissolved		Copper, Dissolved		Iron, Dissolved		Manganese, Dissolved		Nickel, Dissolved		Silver, Dissolved		Vanadium, Dissolved		Zinc, Dissolved		Alkalinity, Total		Nitrogen, NO2 + NO3, Total		Sulfate, Total		Methane	
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	
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
WI Groundwater ES:			**200**		**6**		**1,300**		**300**		**300**		**100**		**50**		**30**		**5,000**		**NS**		**10,000**		**250,000**		**NS**	
WI Groundwater PAL:			40		1.2		130		150		60		20		10		6		2,500		NS		2,000		125,000		NS	
051320009	MW03R	5/13/2020	<117 *	U	0.82	J	6.3	J	<116	U	286		1.9	J	<0.25	U	0.72	J	<20.7	U	251,000		<59	U	9,500		127	
051320006	MW05	5/13/2020	<117 *	U	<0.30	U	2.9	J	<116	U	**1,190**		2.0	J	<0.25	U	<0.63	U	<20.7	U	284,000		2,300		63,100		<0.66	U
051320018	MW01R	5/13/2020	<117 *	U	<0.30	U	<2.2	U	**8,760**		**754**		0.60	J	<0.25	U	<0.63	U	<20.7	U	400,000		<59	U	<2,200	U	19,500	
051220002	MW302	5/12/2020	<117 *	U	<0.30	U	2.9	J	253	J	<2.4	U	1.9	J	<0.25	U	<0.63	U	<20.7	U	267,000		5,100		92,500		<0.66	U
051320007	MW303	5/13/2020	<117 *	U	0.38	J	4.1	J	**4,360**		**2,980**		7.5		<0.25	U	2.4		<20.7	U	485,000		<59	U	93,200		333	
051320008	MW303-Dup	5/13/2020	<117 *	U	0.36	J	3.7	J	**3,960**		**2,930**		7.5		<0.25	U	2.0	J	<20.7	U	495,000		<59	U	96,200		318	
051320019	MW304	5/13/2020	<117 *	U	1.1	J	<2.2	U	**1,950**		**1,740**		3.9		<0.25	U	0.92	J	<20.7	U	323,000		<59	U	27,900		228	
051220001	MW305	5/12/2020	<117 *	U	0.33	J	2.5	J	**402**	J	<2.4	U	0.89	J	<0.25	U	<0.63	U	<20.7	U	276,000		5,500		104,000		<0.66	U
051320016	MW307R	5/13/2020	<117 *	U	<0.30	U	<2.2	U	**19,000**		**351**		<0.57	U	<0.25	U	<0.63	U	<20.7	U	246,000		<59	U	<2,200	U	7,170	
051320010	MW308	5/13/2020	<117 *	U	<0.30	U	12.9		**2,110**		**3,940**		24.0		<0.25	U	<0.63	U	143		629,000		460		**250,000**		584	
051320011	MW308-Dup	5/13/2020	<117 *	U	<0.30	U	13.9		**2,200**		**4,000**		26.1		<0.25	U	<0.63	U	146		639,000		380		**271,000**		664	
051320015	MW310	5/13/2020	<117 *	U	0.54	J	4.9	J	196	J	**467**		2.2		<0.25	U	0.64	J	<20.7	U	360,000		2,300		167,000		768	
051320014	MW311	5/13/2020	<117 *	U	<0.30	U	<2.2	U	**34,800**		**628**		0.62	J	<0.25	U	1.3	J	<20.7	U	683,000		<59	U	<2,200	U	5,270	
051320017	MW312	5/13/2020	<117 *	U	<0.30	U	<2.2	U	**14,400**		**718**		<0.57	U	<0.25	U	0.83	J	<20.7	U	772,000		<59	U	<2,200	U	25,300	
051220004	MW313	5/12/2020	<117 *	U	<0.30	U	<2.2	U	**10,000**		**575**		1.8	J	<0.25	U	1.8	J	<20.7	U	298,000		<59	U	42,800		1,270	
051420026	MWFCOND	5/14/2020	--		--		--		--		--		--		--		--		--		--		--		--		--	
051420024	MWG2	5/14/2020	--		--		--		--		--		--		--		--		--		--		--		--		--	
051420025	MWG2-Dup	5/14/2020	--		--		--		--		--		--		--		--		--		--		--		--		--	
051320022	MWJ1	5/13/2020	--		--		--		--		--		--		--		--		--		--		--		--		--	
051320021	MWO3	5/13/2020	--		--		--		--		--		--		--		--		--		--		--		--		--	
051320020	MWTCONB	5/13/2020	--		--		--		--		--		--		--		--		--		--		--		--		--	
051220003	P302	5/12/2020	<117 *	U	<0.30	U	<2.2	U	**1,470**		**366**		<0.57	U	<0.25	U	0.70	J	<20.7	U	266,000		120	J	63,900		7.4	
051420027	P303	5/14/2020	--		--		--		--		--		--		--		--		--		134,000		--		**850,000**		<0.66	U
051420028	P304	5/14/2020	--		--		--		--		--		--		--		--		--		195,000		--		**545,000**		<0.66	U
051320012	P305	5/13/2020	<117 *	U	<0.30	U	3.2	J	122	J	39.1		<0.57	U	<0.25	U	0.84	J	<20.7	U	331,000		160	J	28,600		1.2	J

[O:CMD 7/10/20, C:SGW 7/13/20, C: YMD 7/15/20]

Notes:

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Underlined	concentration that attains or exceeds WDNR PAL

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

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< = Concentration is less than the Limit of Detection (LOD)
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PAH = Polycyclic Aromatic Hydrocarbon
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U = Concentration was not detected above the reported limit

LABORATORY DATA REPORTS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

June 01, 2020

Scott Woods
Ramboll

,

RE: Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Dear Scott Woods:

Enclosed are the analytical results for sample(s) received by the laboratory on May 14, 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
- Pace Analytical Services - New Orleans

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
Abigail Small, Ramboll

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Pace Analytical Services New Orleans

California Env. Lab Accreditation Program Branch: 11277CA
Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 0025721
Kansas Department of Health and Environment (NELAC): E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP): 02006
Texas Commission on Env. Quality (NELAC): T104704405-09-TX
U.S. Dept. of Agriculture Foreign Soil Import: P330-10-00119

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40207767001	051220001	Water	05/12/20 15:00	05/14/20 14:16
40207767002	051220002	Water	05/12/20 15:29	05/14/20 14:16
40207767003	051220003	Water	05/12/20 16:00	05/14/20 14:16
40207767004	051220004	Water	05/12/20 16:50	05/14/20 14:16
40207767005	051220005	Water	05/12/20 17:15	05/14/20 14:16
40207767006	051320006	Water	05/13/20 07:13	05/14/20 14:16
40207767007	051320007	Water	05/13/20 07:53	05/14/20 14:16
40207767008	051320008	Water	05/13/20 07:58	05/14/20 14:16
40207767009	051320009	Water	05/13/20 08:46	05/14/20 14:16
40207767010	051320010	Water	05/13/20 09:30	05/14/20 14:16
40207767011	051320011	Water	05/13/20 09:35	05/14/20 14:16
40207767012	051320012	Water	05/13/20 10:00	05/14/20 14:16
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
40207767014	051320014	Water	05/13/20 11:58	05/14/20 14:16
40207767015	051320015	Water	05/13/20 12:47	05/14/20 14:16
40207767016	051320016	Water	05/13/20 13:13	05/14/20 14:16
40207767017	051320017	Water	05/13/20 13:41	05/14/20 14:16
40207767018	051320018	Water	05/13/20 14:14	05/14/20 14:16
40207767019	051320019	Water	05/13/20 16:06	05/14/20 14:16
40207767020	051320020	Water	05/13/20 17:26	05/14/20 14:16
40207767021	051320021	Water	05/13/20 17:57	05/14/20 14:16
40207767022	051320022	Water	05/13/20 18:56	05/14/20 14:16
40207767023	051320023	Water	05/13/20 19:15	05/14/20 14:16
40207767024	051420024	Water	05/14/20 06:54	05/14/20 14:16
40207767025	051420025	Water	05/14/20 06:59	05/14/20 14:16
40207767026	051420026	Water	05/14/20 07:29	05/14/20 14:16
40207767027	051420027	Water	05/14/20 07:45	05/14/20 14:16
40207767028	051420028	Water	05/14/20 08:15	05/14/20 14:16
40207767029	051420030	Water	05/14/20 08:45	05/14/20 14:16
40207767030	051420031	Water	05/14/20 00:00	05/14/20 14:16
40207767031	051420029	Water	05/14/20 08:30	05/14/20 14:16

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40207767001	**051220001**	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	TPO	12	PASI-G
		EPA 8260	LAP	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40207767002	**051220002**	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	TPO	12	PASI-G
		EPA 8260	LAP	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40207767003	**051220003**	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	TPO	12	PASI-G
		EPA 8260	LAP	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40207767004	**051220004**	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	TPO	12	PASI-G
		EPA 8260	LAP	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40207767005	**051220005**	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	TPO	12	PASI-G
		EPA 8260	LAP	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40207767006	**051320006**	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270 by HVI	TPO	12	PASI-G
		EPA 8260	LAP	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40207767007	**051320007**	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	TPO	12	PASI-G
		EPA 8260	LAP	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40207767008	**051320008**	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	TPO	12	PASI-G
		EPA 8260	LAP	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40207767009	**051320009**	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	TPO	12	PASI-G
		EPA 8260	LAP	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40207767010	**051320010**	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	TPO	12	PASI-G
		EPA 8260	LAP	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40207767011	**051320011**	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	TPO	12	PASI-G
		EPA 8260	LAP	9	PASI-G

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40207767012	**051320012**	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	TPO	12	PASI-G
		EPA 8260	LAP	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
40207767014	**051320014**	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	TPO	12	PASI-G
		EPA 8260	LAP	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40207767015	**051320015**	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	TPO	12	PASI-G
		EPA 8260	LAP	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40207767016	**051320016**	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	TPO	12	PASI-G
		EPA 8260	LAP	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G

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SAMPLE ANALYTE COUNT

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	DAW	1	PASI-G
40207767017	051320017	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	TPO	12	PASI-G
		EPA 8260	LAP	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40207767018	051320018	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	TPO	12	PASI-G
		EPA 8260	LAP	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40207767019	051320019	EPA 8015B Modified	ALD	1	PASI-G
		EPA 6020	KXS	9	PASI-G
		EPA 8270 by HVI	TPO	12	PASI-G
		EPA 8260	LAP	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 353.2	DAW	1	PASI-G
40207767020	051320020	EPA 8270 by HVI	TPO	6	PASI-G
		EPA 8260	LAP	5	PASI-G
40207767021	051320021	EPA 8270 by HVI	TPO	6	PASI-G
		EPA 8260	LAP	5	PASI-G
40207767022	051320022	EPA 8270 by HVI	TPO	6	PASI-G
		EPA 8260	LAP	5	PASI-G
40207767023	051320023	EPA 8260	LAP	9	PASI-G
40207767024	051420024	EPA 8270 by HVI	TPO	6	PASI-G
		EPA 8260	LAP	5	PASI-G
40207767025	051420025	EPA 8270 by HVI	TPO	6	PASI-G
		EPA 8260	LAP	5	PASI-G
40207767026	051420026	EPA 8270 by HVI	TPO	6	PASI-G
		EPA 8260	LAP	5	PASI-G
40207767027	051420027	EPA 8015B Modified	ALD	1	PASI-G
		EPA 8270 by HVI	TPO	12	PASI-G

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(920)469-2436

SAMPLE ANALYTE COUNT

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	LAP	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40207767028	**051420028**	EPA 8015B Modified	ALD	1	PASI-G
		EPA 8270 by HVI	TPO	12	PASI-G
		EPA 8260	LAP	9	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40207767029	**051420030**	EPA 8260	LAP	9	PASI-G
40207767030	**051420031**	EPA 8260	LAP	9	PASI-G
40207767031	**051420029**	EPA 6010	FC1	1	PASI-N
		EPA 6020	MHB1	1	PASI-N
		EPA 6020	DS1, KXS	28	PASI-G
		EPA 8260	HNW	64	PASI-G

PASI-G = Pace Analytical Services - Green Bay
PASI-N = Pace Analytical Services - New Orleans

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Method: **EPA 8015B Modified**
Description: Methane, Ethane, Ethene GCV
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: June 01, 2020

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

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

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

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

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

QC Batch: 355743

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40207767014

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

- MS (Lab ID: 2058048)
  - Methane
- MSD (Lab ID: 2058049)
  - Methane

QC Batch: 355882

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40207767019

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

- MS (Lab ID: 2058504)
  - Methane
- MSD (Lab ID: 2058505)
  - Methane

Additional Comments:

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Method: **EPA 8015B Modified**
Description: Methane, Ethane, Ethene GCV
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: June 01, 2020

Analyte Comments:

QC Batch: 355743

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

- MS (Lab ID: 2058048)
  - Methane
- MSD (Lab ID: 2058049)
  - Methane

QC Batch: 355882

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

- MS (Lab ID: 2058504)
  - Methane
- MSD (Lab ID: 2058505)
  - Methane

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Method: **EPA 6010**
Description: 6010 Metals, Total
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: June 01, 2020

General Information:
1 sample was analyzed for EPA 6010 by Pace Analytical Services New Orleans. 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.

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:

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

PROJECT NARRATIVE

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Method: **EPA 6020**
Description: 6020 MET ICPMS
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: June 01, 2020

General Information:
1 sample was analyzed for EPA 6020 by Pace Analytical Services New Orleans. 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: 186014

N2: The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

- 051420029 (Lab ID: 40207767031)
  - Tungsten
- BLANK (Lab ID: 856249)
  - Tungsten
- LCS (Lab ID: 856250)
  - Tungsten
- MS (Lab ID: 856251)
  - Tungsten

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PROJECT NARRATIVE

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Method: **EPA 6020**
Description: 6020 MET ICPMS
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: June 01, 2020

Analyte Comments:

QC Batch: 186014

N2: The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

- MS (Lab ID: 856253)
  - Tungsten
- MSD (Lab ID: 856252)
  - Tungsten
- MSD (Lab ID: 856254)
  - Tungsten

QC Batch: 355705

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

- 051420029 (Lab ID: 40207767031)
  - Silver
  - Aluminum
  - Beryllium
  - Cadmium
  - Chromium
  - Copper
  - Molybdenum
  - Antimony
  - Selenium
  - Tin
  - Titanium
  - Thallium
  - Zinc

General Information:
1 sample was 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.

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PROJECT NARRATIVE

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Method: **EPA 6020**
Description: 6020 MET ICPMS
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: June 01, 2020

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: 186014

N2: The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

- 051420029 (Lab ID: 40207767031)
  - Tungsten
- BLANK (Lab ID: 856249)
  - Tungsten
- LCS (Lab ID: 856250)
  - Tungsten
- MS (Lab ID: 856251)
  - Tungsten
- MS (Lab ID: 856253)
  - Tungsten
- MSD (Lab ID: 856252)
  - Tungsten
- MSD (Lab ID: 856254)
  - Tungsten

QC Batch: 355705

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

- 051420029 (Lab ID: 40207767031)
  - Silver
  - Aluminum
  - Beryllium
  - Cadmium
  - Chromium
  - Copper
  - Molybdenum
  - Antimony
  - Selenium

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PROJECT NARRATIVE

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Method: **EPA 6020**
Description: 6020 MET ICPMS
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: June 01, 2020

Analyte Comments:

QC Batch: 355705

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

- 051420029 (Lab ID: 40207767031)
  - Tin
  - Titanium
  - Thallium
  - Zinc

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PROJECT NARRATIVE

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Method: **EPA 6020**
Description: 6020 MET ICPMS, Dissolved
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: June 01, 2020

General Information:
19 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.

QC Batch: 355123

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40207767014,40207767019

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

- MS (Lab ID: 2054871)
  - Manganese, Dissolved

Additional Comments:

Analyte Comments:

QC Batch: 355123

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

- 051220001 (Lab ID: 40207767001)
  - Silver, Dissolved
  - Aluminum, Dissolved
  - Copper, Dissolved

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Method: **EPA 6020**
Description: 6020 MET ICPMS, Dissolved
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: June 01, 2020

Analyte Comments:

QC Batch: 355123

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

- 051220001 (Lab ID: 40207767001)
  - Iron, Dissolved
  - Manganese, Dissolved
  - Nickel, Dissolved
  - Antimony, Dissolved
  - Vanadium, Dissolved
  - Zinc, Dissolved
- 051220002 (Lab ID: 40207767002)
  - Silver, Dissolved
  - Aluminum, Dissolved
  - Copper, Dissolved
  - Iron, Dissolved
  - Manganese, Dissolved
  - Nickel, Dissolved
  - Antimony, Dissolved
  - Vanadium, Dissolved
  - Zinc, Dissolved
- 051220003 (Lab ID: 40207767003)
  - Silver, Dissolved
  - Aluminum, Dissolved
  - Copper, Dissolved
  - Nickel, Dissolved
  - Antimony, Dissolved
  - Vanadium, Dissolved
  - Zinc, Dissolved
- 051220004 (Lab ID: 40207767004)
  - Silver, Dissolved
  - Aluminum, Dissolved
  - Copper, Dissolved
  - Nickel, Dissolved
  - Antimony, Dissolved
  - Vanadium, Dissolved
  - Zinc, Dissolved
- 051320006 (Lab ID: 40207767006)
  - Silver, Dissolved
  - Aluminum, Dissolved
  - Copper, Dissolved
  - Iron, Dissolved
  - Nickel, Dissolved
  - Antimony, Dissolved
  - Vanadium, Dissolved
  - Zinc, Dissolved

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PROJECT NARRATIVE

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Method: **EPA 6020**
Description: 6020 MET ICPMS, Dissolved
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: June 01, 2020

Analyte Comments:

QC Batch: 355123

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

- 051320007 (Lab ID: 40207767007)
  - Silver, Dissolved
  - Aluminum, Dissolved
  - Copper, Dissolved
  - Antimony, Dissolved
  - Zinc, Dissolved
- 051320008 (Lab ID: 40207767008)
  - Silver, Dissolved
  - Aluminum, Dissolved
  - Copper, Dissolved
  - Antimony, Dissolved
  - Vanadium, Dissolved
  - Zinc, Dissolved
- 051320009 (Lab ID: 40207767009)
  - Silver, Dissolved
  - Aluminum, Dissolved
  - Copper, Dissolved
  - Iron, Dissolved
  - Nickel, Dissolved
  - Antimony, Dissolved
  - Vanadium, Dissolved
  - Zinc, Dissolved
- 051320010 (Lab ID: 40207767010)
  - Silver, Dissolved
  - Aluminum, Dissolved
  - Antimony, Dissolved
  - Vanadium, Dissolved
- 051320011 (Lab ID: 40207767011)
  - Silver, Dissolved
  - Aluminum, Dissolved
  - Antimony, Dissolved
  - Vanadium, Dissolved
- 051320012 (Lab ID: 40207767012)
  - Silver, Dissolved
  - Aluminum, Dissolved
  - Copper, Dissolved
  - Iron, Dissolved
  - Nickel, Dissolved
  - Antimony, Dissolved
  - Vanadium, Dissolved
  - Zinc, Dissolved

[redacted]

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PROJECT NARRATIVE

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Method: **EPA 6020**
Description: 6020 MET ICPMS, Dissolved
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: June 01, 2020

Analyte Comments:

QC Batch: 355123

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

[redacted]

- 051320014 (Lab ID: 40207767014)
  - Silver, Dissolved
  - Aluminum, Dissolved
  - Copper, Dissolved
  - Nickel, Dissolved
  - Antimony, Dissolved
  - Vanadium, Dissolved
  - Zinc, Dissolved
- 051320015 (Lab ID: 40207767015)
  - Silver, Dissolved
  - Aluminum, Dissolved
  - Copper, Dissolved
  - Iron, Dissolved
  - Antimony, Dissolved
  - Vanadium, Dissolved
  - Zinc, Dissolved
- 051320016 (Lab ID: 40207767016)
  - Silver, Dissolved
  - Aluminum, Dissolved
  - Copper, Dissolved
  - Nickel, Dissolved
  - Antimony, Dissolved
  - Vanadium, Dissolved
  - Zinc, Dissolved
- 051320017 (Lab ID: 40207767017)
  - Silver, Dissolved
  - Aluminum, Dissolved
  - Copper, Dissolved
  - Nickel, Dissolved
  - Antimony, Dissolved
  - Vanadium, Dissolved
  - Zinc, Dissolved
- 051320018 (Lab ID: 40207767018)
  - Silver, Dissolved
  - Aluminum, Dissolved
  - Copper, Dissolved

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PROJECT NARRATIVE

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Method: **EPA 6020**
Description: 6020 MET ICPMS, Dissolved
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: June 01, 2020

Analyte Comments:

QC Batch: 355123

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

- 051320018 (Lab ID: 40207767018)
  - Nickel, Dissolved
  - Antimony, Dissolved
  - Vanadium, Dissolved
  - Zinc, Dissolved
- 051320019 (Lab ID: 40207767019)
  - Silver, Dissolved
  - Aluminum, Dissolved
  - Copper, Dissolved
  - Antimony, Dissolved
  - Vanadium, Dissolved
  - Zinc, Dissolved

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PROJECT NARRATIVE

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Method: **EPA 8270 by HVI**
Description: 8270 MSSV PAH by HVI
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: June 01, 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: 355110

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- 051320014 (Lab ID: 40207767014)
  - 2-Fluorobiphenyl (S)
  - Terphenyl-d14 (S)
- MS (Lab ID: 2054672)
  - 2-Fluorobiphenyl (S)
  - Terphenyl-d14 (S)
- MSD (Lab ID: 2054673)
  - 2-Fluorobiphenyl (S)
  - Terphenyl-d14 (S)

QC Batch: 355193

S0: Surrogate recovery outside laboratory control limits.
- 051320012 (Lab ID: 40207767012)
  - 2-Fluorobiphenyl (S)

QC Batch: 355292

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- 051320021 (Lab ID: 40207767021)
  - 2-Fluorobiphenyl (S)
  - Terphenyl-d14 (S)

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PROJECT NARRATIVE

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Method: **EPA 8270 by HVI**
Description: 8270 MSSV PAH by HVI
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: June 01, 2020

QC Batch: 355292

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- 051320022 (Lab ID: 40207767022)
  - 2-Fluorobiphenyl (S)
  - Terphenyl-d14 (S)

QC Batch: 355425

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- 051420024 (Lab ID: 40207767024)
  - 2-Fluorobiphenyl (S)
  - Terphenyl-d14 (S)
- 051420025 (Lab ID: 40207767025)
  - 2-Fluorobiphenyl (S)
  - Terphenyl-d14 (S)
- 051420026 (Lab ID: 40207767026)
  - 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.

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: 355110

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40207767014

M6: Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
- MS (Lab ID: 2054672)
  - Anthracene
  - Fluorene
  - Naphthalene
  - Phenanthrene
- MSD (Lab ID: 2054673)
  - Fluorene
  - Naphthalene
  - Phenanthrene

QC Batch: 355193

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40207767019

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- MS (Lab ID: 2055093)
  - Naphthalene
- MSD (Lab ID: 2055094)

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PROJECT NARRATIVE

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Method: **EPA 8270 by HVI**
Description: 8270 MSSV PAH by HVI
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: June 01, 2020

QC Batch: 355193

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40207767019

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

- Naphthalene
- Phenanthrene

R1: RPD value was outside control limits.

- MSD (Lab ID: 2055094)
  - Phenanthrene

QC Batch: 355292

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

Additional Comments:

Analyte Comments:

QC Batch: 355193

1q: This sample could not be re-extracted within hold time.

- 051320012 (Lab ID: 40207767012)
  - 2-Fluorobiphenyl (S)

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PROJECT NARRATIVE

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Method: **EPA 8260**
Description: 8260 MSV
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: June 01, 2020

General Information:
1 sample was 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.

QC Batch: 355048

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
- LCS (Lab ID: 2054158)
  - cis-1,2-Dichloroethene

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

Additional Comments:

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PROJECT NARRATIVE

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Method: **EPA 8260**
Description: 8260 MSV UST
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: June 01, 2020

General Information:
30 samples were analyzed for EPA 8260 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

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

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

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

Additional Comments:

Analyte Comments:

QC Batch: 355047

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

- 051320014 (Lab ID: 40207767014)
  - Dibromofluoromethane (S)

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PROJECT NARRATIVE

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Method: **EPA 300.0**
Description: 300.0 IC Anions
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: June 01, 2020

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

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

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

QC Batch: 355224

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40207767014,40207911001

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

- MS (Lab ID: 2055215)
  - Sulfate
- MSD (Lab ID: 2055216)
  - Sulfate

QC Batch: 355367

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40207767019,40207830003

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

- MS (Lab ID: 2055823)
  - Sulfate
- MSD (Lab ID: 2055824)
  - Sulfate

Additional Comments:

Analyte Comments:

QC Batch: 355224

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

[redacted]

- 051320014 (Lab ID: 40207767014)
  - Sulfate

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Method: **EPA 300.0**
Description: 300.0 IC Anions
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: June 01, 2020

Analyte Comments:

QC Batch: 355367

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

- 051320016 (Lab ID: 40207767016)
  - Sulfate
- 051320017 (Lab ID: 40207767017)
  - Sulfate
- 051320018 (Lab ID: 40207767018)
  - Sulfate

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PROJECT NARRATIVE

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Method: **EPA 310.2**
Description: 310.2 Alkalinity
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: June 01, 2020

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

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

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

Additional Comments:

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PROJECT NARRATIVE

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Method: **EPA 353.2**
Description: 353.2 Nitrogen, NO2/NO3 pres.
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: June 01, 2020

General Information:
19 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: 355525

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40207604001,40207767014

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

- MS (Lab ID: 2056492)
  - Nitrogen, NO2 plus NO3
- MSD (Lab ID: 2056493)
  - Nitrogen, NO2 plus NO3

Additional Comments:

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

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ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051220001 **Lab ID: 40207767001** Collected: 05/12/20 15:00 Received: 05/14/20 14:16 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		05/15/20 09:28	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	05/17/20 17:53	05/27/20 12:49	7429-90-5	D3
Antimony, Dissolved	**0.33J**	ug/L	2.0	0.30	2	05/17/20 17:53	05/27/20 12:49	7440-36-0	D3
Copper, Dissolved	**2.5J**	ug/L	7.3	2.2	2	05/17/20 17:53	05/27/20 12:49	7440-50-8	D3
Iron, Dissolved	**402J**	ug/L	500	116	2	05/17/20 17:53	05/27/20 12:49	7439-89-6	D3
Manganese, Dissolved	**<2.4**	ug/L	8.1	2.4	2	05/17/20 17:53	05/27/20 04:50	7439-96-5	D3
Nickel, Dissolved	**0.89J**	ug/L	2.0	0.57	2	05/17/20 17:53	05/27/20 12:49	7440-02-0	D3
Silver, Dissolved	**<0.25**	ug/L	1.0	0.25	2	05/17/20 17:53	05/27/20 12:49	7440-22-4	D3
Vanadium, Dissolved	**<0.63**	ug/L	2.1	0.63	2	05/17/20 17:53	05/27/20 12:49	7440-62-2	D3
Zinc, Dissolved	**<20.7**	ug/L	68.9	20.7	2	05/17/20 17:53	05/27/20 12:49	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	**0.026J**	ug/L	0.054	0.011	1	05/16/20 08:50	05/19/20 23:16	120-12-7	
Benzo(a)pyrene	**0.016J**	ug/L	0.055	0.011	1	05/16/20 08:50	05/19/20 23:16	50-32-8	
Benzo(b)fluoranthene	**0.025J**	ug/L	0.030	0.0060	1	05/16/20 08:50	05/19/20 23:16	205-99-2	
Benzo(g,h,i)perylene	**0.027J**	ug/L	0.035	0.0071	1	05/16/20 08:50	05/19/20 23:16	191-24-2	
Chrysene	**0.023J**	ug/L	0.068	0.014	1	05/16/20 08:50	05/19/20 23:16	218-01-9	
Fluoranthene	**0.021J**	ug/L	0.056	0.011	1	05/16/20 08:50	05/19/20 23:16	206-44-0	
Fluorene	**<0.0083**	ug/L	0.042	0.0083	1	05/16/20 08:50	05/19/20 23:16	86-73-7	
Naphthalene	**0.023J**	ug/L	0.095	0.019	1	05/16/20 08:50	05/19/20 23:16	91-20-3	
Phenanthrene	**0.027J**	ug/L	0.072	0.014	1	05/16/20 08:50	05/19/20 23:16	85-01-8	
Pyrene	**<0.0080**	ug/L	0.040	0.0080	1	05/16/20 08:50	05/19/20 23:16	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	70	%	39-120		1	05/16/20 08:50	05/19/20 23:16	321-60-8	
Terphenyl-d14 (S)	109	%	10-159		1	05/16/20 08:50	05/19/20 23:16	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		05/18/20 11:56	71-43-2	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		05/18/20 11:56	100-41-4	
Toluene	**<0.27**	ug/L	0.90	0.27	1		05/18/20 11:56	108-88-3	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/18/20 11:56	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/18/20 11:56	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/18/20 11:56	95-47-6	
Surrogates									
Dibromofluoromethane (S)	101	%	70-130		1		05/18/20 11:56	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/18/20 11:56	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		1		05/18/20 11:56	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051220001 **Lab ID: 40207767001** Collected: 05/12/20 15:00 Received: 05/14/20 14:16 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	**104**	mg/L	10.0	2.2	5		05/21/20 16:12	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**276**	mg/L	24.8	7.4	1		05/26/20 12:51		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay								
Nitrogen, NO2 plus NO3	**5.5**	mg/L	0.25	0.059	1		05/21/20 11:01		

Sample: 051220002 **Lab ID: 40207767002** Collected: 05/12/20 15:29 Received: 05/14/20 14:16 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		05/15/20 09:56	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	05/17/20 17:53	05/27/20 13:16	7429-90-5	D3
Antimony, Dissolved	**<0.30**	ug/L	2.0	0.30	2	05/17/20 17:53	05/27/20 13:16	7440-36-0	D3
Copper, Dissolved	**2.9J**	ug/L	7.3	2.2	2	05/17/20 17:53	05/27/20 13:16	7440-50-8	D3
Iron, Dissolved	**253J**	ug/L	500	116	2	05/17/20 17:53	05/27/20 13:16	7439-89-6	D3
Manganese, Dissolved	**<2.4**	ug/L	8.1	2.4	2	05/17/20 17:53	05/27/20 05:17	7439-96-5	D3
Nickel, Dissolved	**1.9J**	ug/L	2.0	0.57	2	05/17/20 17:53	05/27/20 13:16	7440-02-0	D3
Silver, Dissolved	**<0.25**	ug/L	1.0	0.25	2	05/17/20 17:53	05/27/20 13:16	7440-22-4	D3
Vanadium, Dissolved	**<0.63**	ug/L	2.1	0.63	2	05/17/20 17:53	05/27/20 13:16	7440-62-2	D3
Zinc, Dissolved	**<20.7**	ug/L	68.9	20.7	2	05/17/20 17:53	05/27/20 13:16	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	**0.030J**	ug/L	0.059	0.012	1	05/18/20 12:34	05/19/20 23:33	120-12-7	
Benzo(a)pyrene	**0.099**	ug/L	0.059	0.012	1	05/18/20 12:34	05/19/20 23:33	50-32-8	
Benzo(b)fluoranthene	**0.13**	ug/L	0.032	0.0064	1	05/18/20 12:34	05/19/20 23:33	205-99-2	
Benzo(g,h,i)perylene	**0.081**	ug/L	0.038	0.0076	1	05/18/20 12:34	05/19/20 23:33	191-24-2	
Chrysene	**0.093**	ug/L	0.073	0.015	1	05/18/20 12:34	05/19/20 23:33	218-01-9	
Fluoranthene	**0.093**	ug/L	0.060	0.012	1	05/18/20 12:34	05/19/20 23:33	206-44-0	
Fluorene	**<0.0090**	ug/L	0.045	0.0090	1	05/18/20 12:34	05/19/20 23:33	86-73-7	
Naphthalene	**<0.021**	ug/L	0.10	0.021	1	05/18/20 12:34	05/19/20 23:33	91-20-3	
Phenanthrene	**0.020J**	ug/L	0.077	0.015	1	05/18/20 12:34	05/19/20 23:33	85-01-8	
Pyrene	**0.073**	ug/L	0.043	0.0086	1	05/18/20 12:34	05/19/20 23:33	129-00-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051220002 **Lab ID: 40207767002** Collected: 05/12/20 15:29 Received: 05/14/20 14:16 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)	75	%	39-120		1	05/18/20 12:34	05/19/20 23:33	321-60-8	
Terphenyl-d14 (S)	99	%	10-159		1	05/18/20 12:34	05/19/20 23:33	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		05/18/20 12:18	71-43-2	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		05/18/20 12:18	100-41-4	
Toluene	**<0.27**	ug/L	0.90	0.27	1		05/18/20 12:18	108-88-3	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/18/20 12:18	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/18/20 12:18	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/18/20 12:18	95-47-6	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		1		05/18/20 12:18	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/18/20 12:18	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130		1		05/18/20 12:18	460-00-4	
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Sulfate	**92.5**	mg/L	10.0	2.2	5		05/21/20 16:26	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		05/26/20 12:52		
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		05/21/20 11:02		

Sample: 051220003 **Lab ID: 40207767003** Collected: 05/12/20 16:00 Received: 05/14/20 14:16 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Methane	**7.4**	ug/L	2.8	0.66	1		05/15/20 10:03	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	05/17/20 17:53	05/27/20 13:23	7429-90-5	D3
Antimony, Dissolved	**<0.30**	ug/L	2.0	0.30	2	05/17/20 17:53	05/27/20 13:23	7440-36-0	D3
Copper, Dissolved	**<2.2**	ug/L	7.3	2.2	2	05/17/20 17:53	05/27/20 13:23	7440-50-8	D3
Iron, Dissolved	**1470**	ug/L	500	116	2	05/17/20 17:53	05/27/20 13:23	7439-89-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051220003 **Lab ID: 40207767003** Collected: 05/12/20 16:00 Received: 05/14/20 14:16 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	**366**	ug/L	8.1	2.4	2	05/17/20 17:53	05/27/20 05:24	7439-96-5	
Nickel, Dissolved	**<0.57**	ug/L	2.0	0.57	2	05/17/20 17:53	05/27/20 13:23	7440-02-0	D3
Silver, Dissolved	**<0.25**	ug/L	1.0	0.25	2	05/17/20 17:53	05/27/20 13:23	7440-22-4	D3
Vanadium, Dissolved	**0.70J**	ug/L	2.1	0.63	2	05/17/20 17:53	05/27/20 13:23	7440-62-2	D3
Zinc, Dissolved	**<20.7**	ug/L	68.9	20.7	2	05/17/20 17:53	05/27/20 13:23	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	0.056	0.011	1	05/18/20 12:34	05/19/20 23:50	120-12-7	
Benzo(a)pyrene	**<0.011**	ug/L	0.056	0.011	1	05/18/20 12:34	05/19/20 23:50	50-32-8	
Benzo(b)fluoranthene	**<0.0061**	ug/L	0.031	0.0061	1	05/18/20 12:34	05/19/20 23:50	205-99-2	
Benzo(g,h,i)perylene	**0.011J**	ug/L	0.036	0.0072	1	05/18/20 12:34	05/19/20 23:50	191-24-2	
Chrysene	**<0.014**	ug/L	0.069	0.014	1	05/18/20 12:34	05/19/20 23:50	218-01-9	
Fluoranthene	**<0.011**	ug/L	0.057	0.011	1	05/18/20 12:34	05/19/20 23:50	206-44-0	
Fluorene	**<0.0085**	ug/L	0.042	0.0085	1	05/18/20 12:34	05/19/20 23:50	86-73-7	
Naphthalene	**<0.020**	ug/L	0.097	0.020	1	05/18/20 12:34	05/19/20 23:50	91-20-3	
Phenanthrene	**<0.015**	ug/L	0.073	0.015	1	05/18/20 12:34	05/19/20 23:50	85-01-8	
Pyrene	**<0.0081**	ug/L	0.041	0.0081	1	05/18/20 12:34	05/19/20 23:50	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	74	%	39-120		1	05/18/20 12:34	05/19/20 23:50	321-60-8	
Terphenyl-d14 (S)	104	%	10-159		1	05/18/20 12:34	05/19/20 23:50	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		05/18/20 12:41	71-43-2	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		05/18/20 12:41	100-41-4	
Toluene	**<0.27**	ug/L	0.90	0.27	1		05/18/20 12:41	108-88-3	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/18/20 12:41	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/18/20 12:41	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/18/20 12:41	95-47-6	
Surrogates									
Dibromofluoromethane (S)	98	%	70-130		1		05/18/20 12:41	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/18/20 12:41	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		05/18/20 12:41	460-00-4	
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Sulfate	**63.9**	mg/L	10.0	2.2	5		05/21/20 16:40	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**266**	mg/L	49.6	14.9	2		05/26/20 12:53		

REPORT OF LABORATORY ANALYSIS

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

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051220003 **Lab ID: 40207767003** Collected: 05/12/20 16:00 Received: 05/14/20 14:16 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	**0.12J**	mg/L	0.25	0.059	1		05/21/20 11:02		

Sample: 051220004 **Lab ID: 40207767004** Collected: 05/12/20 16:50 Received: 05/14/20 14:16 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	**1270**	ug/L	28.0	6.6	10		05/15/20 11:55	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	05/17/20 17:53	05/27/20 13:29	7429-90-5	D3
Antimony, Dissolved	**<0.30**	ug/L	2.0	0.30	2	05/17/20 17:53	05/27/20 13:29	7440-36-0	D3
Copper, Dissolved	**<2.2**	ug/L	7.3	2.2	2	05/17/20 17:53	05/27/20 13:29	7440-50-8	D3
Iron, Dissolved	**10000**	ug/L	500	116	2	05/17/20 17:53	05/27/20 13:29	7439-89-6	
Manganese, Dissolved	**575**	ug/L	8.1	2.4	2	05/17/20 17:53	05/27/20 05:31	7439-96-5	
Nickel, Dissolved	**1.8J**	ug/L	2.0	0.57	2	05/17/20 17:53	05/27/20 13:29	7440-02-0	D3
Silver, Dissolved	**<0.25**	ug/L	1.0	0.25	2	05/17/20 17:53	05/27/20 13:29	7440-22-4	D3
Vanadium, Dissolved	**1.8J**	ug/L	2.1	0.63	2	05/17/20 17:53	05/27/20 13:29	7440-62-2	D3
Zinc, Dissolved	**<20.7**	ug/L	68.9	20.7	2	05/17/20 17:53	05/27/20 13:29	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	**<0.010**	ug/L	0.052	0.010	1	05/18/20 12:34	05/20/20 00:06	120-12-7	
Benzo(a)pyrene	**<0.011**	ug/L	0.053	0.011	1	05/18/20 12:34	05/20/20 00:06	50-32-8	
Benzo(b)fluoranthene	**<0.0057**	ug/L	0.029	0.0057	1	05/18/20 12:34	05/20/20 00:06	205-99-2	
Benzo(g,h,i)perylene	**0.015J**	ug/L	0.034	0.0068	1	05/18/20 12:34	05/20/20 00:06	191-24-2	
Chrysene	**<0.013**	ug/L	0.065	0.013	1	05/18/20 12:34	05/20/20 00:06	218-01-9	
Fluoranthene	**0.017J**	ug/L	0.053	0.011	1	05/18/20 12:34	05/20/20 00:06	206-44-0	
Fluorene	**0.033J**	ug/L	0.040	0.0080	1	05/18/20 12:34	05/20/20 00:06	86-73-7	
Naphthalene	**<0.018**	ug/L	0.092	0.018	1	05/18/20 12:34	05/20/20 00:06	91-20-3	
Phenanthrene	**<0.014**	ug/L	0.069	0.014	1	05/18/20 12:34	05/20/20 00:06	85-01-8	
Pyrene	**<0.0076**	ug/L	0.038	0.0076	1	05/18/20 12:34	05/20/20 00:06	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	63	%	39-120		1	05/18/20 12:34	05/20/20 00:06	321-60-8	
Terphenyl-d14 (S)	91	%	10-159		1	05/18/20 12:34	05/20/20 00:06	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		05/18/20 16:59	71-43-2	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		05/18/20 16:59	100-41-4	
Toluene	**<0.27**	ug/L	0.90	0.27	1		05/18/20 16:59	108-88-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051220004 **Lab ID: 40207767004** Collected: 05/12/20 16:50 Received: 05/14/20 14:16 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		05/18/20 16:59	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/18/20 16:59	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/18/20 16:59	95-47-6	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		1		05/18/20 16:59	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		05/18/20 16:59	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		1		05/18/20 16:59	460-00-4	
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Sulfate	**42.8**	mg/L	10.0	2.2	5		05/20/20 15:50	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**298**	mg/L	49.6	14.9	2		05/26/20 12:58		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay								
Nitrogen, NO2 plus NO3	**<0.059**	mg/L	0.25	0.059	1		05/21/20 11:03		

Sample: 051220005 **Lab ID: 40207767005** Collected: 05/12/20 17:15 Received: 05/14/20 14:16 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		05/15/20 10:17	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	05/17/20 17:53	05/27/20 12:08	7429-90-5	
Antimony, Dissolved	**<0.15**	ug/L	1.0	0.15	1	05/17/20 17:53	05/27/20 12:08	7440-36-0	
Copper, Dissolved	**<1.1**	ug/L	3.6	1.1	1	05/17/20 17:53	05/27/20 12:08	7440-50-8	
Iron, Dissolved	**<58.0**	ug/L	250	58.0	1	05/17/20 17:53	05/27/20 12:08	7439-89-6	
Manganese, Dissolved	**<1.2**	ug/L	4.0	1.2	1	05/17/20 17:53	05/27/20 04:09	7439-96-5	
Nickel, Dissolved	**<0.28**	ug/L	1.0	0.28	1	05/17/20 17:53	05/27/20 12:08	7440-02-0	
Silver, Dissolved	**<0.13**	ug/L	0.50	0.13	1	05/17/20 17:53	05/27/20 12:08	7440-22-4	
Vanadium, Dissolved	**<0.32**	ug/L	1.0	0.32	1	05/17/20 17:53	05/27/20 12:08	7440-62-2	
Zinc, Dissolved	**<10.3**	ug/L	34.4	10.3	1	05/17/20 17:53	05/27/20 12:08	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	0.052	0.010	1	05/18/20 12:34	05/20/20 00:23	120-12-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051220005 **Lab ID: 40207767005** Collected: 05/12/20 17:15 Received: 05/14/20 14:16 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	0.052	0.010	1	05/18/20 12:34	05/20/20 00:23	50-32-8	
Benzo(b)fluoranthene	**<0.0057**	ug/L	0.028	0.0057	1	05/18/20 12:34	05/20/20 00:23	205-99-2	
Benzo(g,h,i)perylene	**<0.0067**	ug/L	0.034	0.0067	1	05/18/20 12:34	05/20/20 00:23	191-24-2	
Chrysene	**<0.013**	ug/L	0.065	0.013	1	05/18/20 12:34	05/20/20 00:23	218-01-9	
Fluoranthene	**<0.011**	ug/L	0.053	0.011	1	05/18/20 12:34	05/20/20 00:23	206-44-0	
Fluorene	**<0.0079**	ug/L	0.039	0.0079	1	05/18/20 12:34	05/20/20 00:23	86-73-7	
Naphthalene	**0.047J**	ug/L	0.091	0.018	1	05/18/20 12:34	05/20/20 00:23	91-20-3	
Phenanthrene	**<0.014**	ug/L	0.068	0.014	1	05/18/20 12:34	05/20/20 00:23	85-01-8	
Pyrene	**<0.0076**	ug/L	0.038	0.0076	1	05/18/20 12:34	05/20/20 00:23	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	73	%	39-120		1	05/18/20 12:34	05/20/20 00:23	321-60-8	
Terphenyl-d14 (S)	100	%	10-159		1	05/18/20 12:34	05/20/20 00:23	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		05/15/20 20:49	71-43-2	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		05/15/20 20:49	100-41-4	
Toluene	**<0.27**	ug/L	0.90	0.27	1		05/15/20 20:49	108-88-3	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/15/20 20:49	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/15/20 20:49	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/15/20 20:49	95-47-6	
Surrogates									
Dibromofluoromethane (S)	98	%	70-130		1		05/15/20 20:49	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		05/15/20 20:49	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		05/15/20 20:49	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		05/20/20 16:05	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		05/26/20 14:28		
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		05/21/20 11:06		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051320006 **Lab ID: 40207767006** Collected: 05/13/20 07:13 Received: 05/14/20 14:16 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		05/15/20 10:24	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	05/17/20 17:53	05/27/20 13:36	7429-90-5	D3
Antimony, Dissolved	**<0.30**	ug/L	2.0	0.30	2	05/17/20 17:53	05/27/20 13:36	7440-36-0	D3
Copper, Dissolved	**2.9J**	ug/L	7.3	2.2	2	05/17/20 17:53	05/27/20 13:36	7440-50-8	D3
Iron, Dissolved	**<116**	ug/L	500	116	2	05/17/20 17:53	05/27/20 13:36	7439-89-6	D3
Manganese, Dissolved	**1190**	ug/L	8.1	2.4	2	05/17/20 17:53	05/27/20 05:38	7439-96-5	
Nickel, Dissolved	**2.0J**	ug/L	2.0	0.57	2	05/17/20 17:53	05/27/20 13:36	7440-02-0	D3
Silver, Dissolved	**<0.25**	ug/L	1.0	0.25	2	05/17/20 17:53	05/27/20 13:36	7440-22-4	D3
Vanadium, Dissolved	**<0.63**	ug/L	2.1	0.63	2	05/17/20 17:53	05/27/20 13:36	7440-62-2	D3
Zinc, Dissolved	**<20.7**	ug/L	68.9	20.7	2	05/17/20 17:53	05/27/20 13:36	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	**<0.010**	ug/L	0.051	0.010	1	05/18/20 12:34	05/20/20 02:53	120-12-7	
Benzo(a)pyrene	**<0.010**	ug/L	0.051	0.010	1	05/18/20 12:34	05/20/20 02:53	50-32-8	
Benzo(b)fluoranthene	**0.0086J**	ug/L	0.028	0.0056	1	05/18/20 12:34	05/20/20 02:53	205-99-2	
Benzo(g,h,i)perylene	**0.011J**	ug/L	0.033	0.0066	1	05/18/20 12:34	05/20/20 02:53	191-24-2	
Chrysene	**<0.013**	ug/L	0.063	0.013	1	05/18/20 12:34	05/20/20 02:53	218-01-9	
Fluoranthene	**<0.010**	ug/L	0.052	0.010	1	05/18/20 12:34	05/20/20 02:53	206-44-0	
Fluorene	**<0.0077**	ug/L	0.039	0.0077	1	05/18/20 12:34	05/20/20 02:53	86-73-7	
Naphthalene	**0.057J**	ug/L	0.089	0.018	1	05/18/20 12:34	05/20/20 02:53	91-20-3	
Phenanthrene	**0.016J**	ug/L	0.067	0.013	1	05/18/20 12:34	05/20/20 02:53	85-01-8	
Pyrene	**<0.0074**	ug/L	0.037	0.0074	1	05/18/20 12:34	05/20/20 02:53	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	60	%	39-120		1	05/18/20 12:34	05/20/20 02:53	321-60-8	
Terphenyl-d14 (S)	93	%	10-159		1	05/18/20 12:34	05/20/20 02:53	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		05/15/20 21:11	71-43-2	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		05/15/20 21:11	100-41-4	
Toluene	**<0.27**	ug/L	0.90	0.27	1		05/15/20 21:11	108-88-3	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/15/20 21:11	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/15/20 21:11	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/15/20 21:11	95-47-6	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		1		05/15/20 21:11	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		05/15/20 21:11	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		1		05/15/20 21:11	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051320006 **Lab ID: 40207767006** Collected: 05/13/20 07:13 Received: 05/14/20 14:16 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	**63.1**	mg/L	10.0	2.2	5		05/20/20 16:19	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**284**	mg/L	49.6	14.9	2		05/26/20 13:07		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay								
Nitrogen, NO2 plus NO3	**2.3**	mg/L	0.25	0.059	1		05/21/20 11:06		

Sample: 051320007 **Lab ID: 40207767007** Collected: 05/13/20 07:53 Received: 05/14/20 14:16 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	**333**	ug/L	11.2	2.7	4		05/15/20 12:02	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	05/17/20 17:53	05/27/20 13:43	7429-90-5	D3
Antimony, Dissolved	**0.38J**	ug/L	2.0	0.30	2	05/17/20 17:53	05/27/20 13:43	7440-36-0	D3
Copper, Dissolved	**4.1J**	ug/L	7.3	2.2	2	05/17/20 17:53	05/27/20 13:43	7440-50-8	D3
Iron, Dissolved	**4360**	ug/L	500	116	2	05/17/20 17:53	05/27/20 13:43	7439-89-6	
Manganese, Dissolved	**2980**	ug/L	8.1	2.4	2	05/17/20 17:53	05/27/20 05:45	7439-96-5	
Nickel, Dissolved	**7.5**	ug/L	2.0	0.57	2	05/17/20 17:53	05/27/20 13:43	7440-02-0	
Silver, Dissolved	**<0.25**	ug/L	1.0	0.25	2	05/17/20 17:53	05/27/20 13:43	7440-22-4	D3
Vanadium, Dissolved	**2.4**	ug/L	2.1	0.63	2	05/17/20 17:53	05/27/20 13:43	7440-62-2	
Zinc, Dissolved	**<20.7**	ug/L	68.9	20.7	2	05/17/20 17:53	05/27/20 13:43	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	**0.052J**	ug/L	0.058	0.012	1	05/18/20 12:34	05/20/20 03:10	120-12-7	
Benzo(a)pyrene	**0.015J**	ug/L	0.058	0.012	1	05/18/20 12:34	05/20/20 03:10	50-32-8	
Benzo(b)fluoranthene	**0.013J**	ug/L	0.032	0.0064	1	05/18/20 12:34	05/20/20 03:10	205-99-2	
Benzo(g,h,i)perylene	**0.034J**	ug/L	0.038	0.0075	1	05/18/20 12:34	05/20/20 03:10	191-24-2	
Chrysene	**0.046J**	ug/L	0.072	0.014	1	05/18/20 12:34	05/20/20 03:10	218-01-9	
Fluoranthene	**0.032J**	ug/L	0.059	0.012	1	05/18/20 12:34	05/20/20 03:10	206-44-0	
Fluorene	**<0.0089**	ug/L	0.044	0.0089	1	05/18/20 12:34	05/20/20 03:10	86-73-7	
Naphthalene	**0.089J**	ug/L	0.10	0.020	1	05/18/20 12:34	05/20/20 03:10	91-20-3	
Phenanthrene	**0.061J**	ug/L	0.077	0.015	1	05/18/20 12:34	05/20/20 03:10	85-01-8	
Pyrene	**0.032J**	ug/L	0.043	0.0085	1	05/18/20 12:34	05/20/20 03:10	129-00-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051320007 **Lab ID: 40207767007** Collected: 05/13/20 07:53 Received: 05/14/20 14:16 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)	68	%	39-120		1	05/18/20 12:34	05/20/20 03:10	321-60-8	
Terphenyl-d14 (S)	100	%	10-159		1	05/18/20 12:34	05/20/20 03:10	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		05/15/20 21:33	71-43-2	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		05/15/20 21:33	100-41-4	
Toluene	**<0.27**	ug/L	0.90	0.27	1		05/15/20 21:33	108-88-3	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/15/20 21:33	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/15/20 21:33	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/15/20 21:33	95-47-6	
Surrogates									
Dibromofluoromethane (S)	97	%	70-130		1		05/15/20 21:33	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		05/15/20 21:33	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		05/15/20 21:33	460-00-4	
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Sulfate	**93.2**	mg/L	10.0	2.2	5		05/20/20 16:33	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**485**	mg/L	124	37.2	5		05/26/20 13:08		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay								
Nitrogen, NO2 plus NO3	**<0.059**	mg/L	0.25	0.059	1		05/21/20 11:07		

Sample: 051320008 **Lab ID: 40207767008** Collected: 05/13/20 07:58 Received: 05/14/20 14:16 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	**318**	ug/L	11.2	2.7	4		05/15/20 12:09	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	05/17/20 17:53	05/27/20 13:50	7429-90-5	D3
Antimony, Dissolved	**0.36J**	ug/L	2.0	0.30	2	05/17/20 17:53	05/27/20 13:50	7440-36-0	D3
Copper, Dissolved	**3.7J**	ug/L	7.3	2.2	2	05/17/20 17:53	05/27/20 13:50	7440-50-8	D3
Iron, Dissolved	**3960**	ug/L	500	116	2	05/17/20 17:53	05/27/20 13:50	7439-89-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051320008 **Lab ID: 40207767008** Collected: 05/13/20 07:58 Received: 05/14/20 14:16 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	**2930**	ug/L	8.1	2.4	2	05/17/20 17:53	05/27/20 05:51	7439-96-5	
Nickel, Dissolved	**7.5**	ug/L	2.0	0.57	2	05/17/20 17:53	05/27/20 13:50	7440-02-0	
Silver, Dissolved	**<0.25**	ug/L	1.0	0.25	2	05/17/20 17:53	05/27/20 13:50	7440-22-4	D3
Vanadium, Dissolved	**2.0J**	ug/L	2.1	0.63	2	05/17/20 17:53	05/27/20 13:50	7440-62-2	D3
Zinc, Dissolved	**<20.7**	ug/L	68.9	20.7	2	05/17/20 17:53	05/27/20 13:50	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	**0.027J**	ug/L	0.057	0.011	1	05/18/20 12:34	05/20/20 03:26	120-12-7	
Benzo(a)pyrene	**<0.012**	ug/L	0.058	0.012	1	05/18/20 12:34	05/20/20 03:26	50-32-8	
Benzo(b)fluoranthene	**0.030J**	ug/L	0.032	0.0063	1	05/18/20 12:34	05/20/20 03:26	205-99-2	
Benzo(g,h,i)perylene	**0.020J**	ug/L	0.037	0.0075	1	05/18/20 12:34	05/20/20 03:26	191-24-2	
Chrysene	**0.023J**	ug/L	0.072	0.014	1	05/18/20 12:34	05/20/20 03:26	218-01-9	
Fluoranthene	**0.025J**	ug/L	0.059	0.012	1	05/18/20 12:34	05/20/20 03:26	206-44-0	
Fluorene	**<0.0088**	ug/L	0.044	0.0088	1	05/18/20 12:34	05/20/20 03:26	86-73-7	
Naphthalene	**<0.020**	ug/L	0.10	0.020	1	05/18/20 12:34	05/20/20 03:26	91-20-3	
Phenanthrene	**0.023J**	ug/L	0.076	0.015	1	05/18/20 12:34	05/20/20 03:26	85-01-8	
Pyrene	**0.018J**	ug/L	0.042	0.0084	1	05/18/20 12:34	05/20/20 03:26	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	72	%	39-120		1	05/18/20 12:34	05/20/20 03:26	321-60-8	
Terphenyl-d14 (S)	111	%	10-159		1	05/18/20 12:34	05/20/20 03:26	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		05/15/20 21:54	71-43-2	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		05/15/20 21:54	100-41-4	
Toluene	**<0.27**	ug/L	0.90	0.27	1		05/15/20 21:54	108-88-3	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/15/20 21:54	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/15/20 21:54	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/15/20 21:54	95-47-6	
Surrogates									
Dibromofluoromethane (S)	98	%	70-130		1		05/15/20 21:54	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		05/15/20 21:54	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		1		05/15/20 21:54	460-00-4	
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Sulfate	**96.2**	mg/L	10.0	2.2	5		05/20/20 17:31	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**495**	mg/L	124	37.2	5		05/26/20 13:12		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051320008 **Lab ID: 40207767008** Collected: 05/13/20 07:58 Received: 05/14/20 14:16 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		05/21/20 11:07		

Sample: 051320009 **Lab ID: 40207767009** Collected: 05/13/20 08:46 Received: 05/14/20 14:16 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	**127**	ug/L	2.8	0.66	1		05/15/20 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	05/17/20 17:53	05/27/20 13:57	7429-90-5	D3
Antimony, Dissolved	**0.82J**	ug/L	2.0	0.30	2	05/17/20 17:53	05/27/20 13:57	7440-36-0	D3
Copper, Dissolved	**6.3J**	ug/L	7.3	2.2	2	05/17/20 17:53	05/27/20 13:57	7440-50-8	D3
Iron, Dissolved	**<116**	ug/L	500	116	2	05/17/20 17:53	05/27/20 13:57	7439-89-6	D3
Manganese, Dissolved	**286**	ug/L	8.1	2.4	2	05/17/20 17:53	05/27/20 05:58	7439-96-5	
Nickel, Dissolved	**1.9J**	ug/L	2.0	0.57	2	05/17/20 17:53	05/27/20 13:57	7440-02-0	D3
Silver, Dissolved	**<0.25**	ug/L	1.0	0.25	2	05/17/20 17:53	05/27/20 13:57	7440-22-4	D3
Vanadium, Dissolved	**0.72J**	ug/L	2.1	0.63	2	05/17/20 17:53	05/27/20 13:57	7440-62-2	D3
Zinc, Dissolved	**<20.7**	ug/L	68.9	20.7	2	05/17/20 17:53	05/27/20 13:57	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	**0.019J**	ug/L	0.054	0.011	1	05/18/20 12:34	05/20/20 03:43	120-12-7	
Benzo(a)pyrene	**<0.011**	ug/L	0.055	0.011	1	05/18/20 12:34	05/20/20 03:43	50-32-8	
Benzo(b)fluoranthene	**0.019J**	ug/L	0.030	0.0060	1	05/18/20 12:34	05/20/20 03:43	205-99-2	
Benzo(g,h,i)perylene	**0.029J**	ug/L	0.035	0.0071	1	05/18/20 12:34	05/20/20 03:43	191-24-2	
Chrysene	**0.037J**	ug/L	0.068	0.014	1	05/18/20 12:34	05/20/20 03:43	218-01-9	
Fluoranthene	**0.030J**	ug/L	0.056	0.011	1	05/18/20 12:34	05/20/20 03:43	206-44-0	
Fluorene	**<0.0083**	ug/L	0.042	0.0083	1	05/18/20 12:34	05/20/20 03:43	86-73-7	
Naphthalene	**0.042J**	ug/L	0.095	0.019	1	05/18/20 12:34	05/20/20 03:43	91-20-3	
Phenanthrene	**0.028J**	ug/L	0.072	0.014	1	05/18/20 12:34	05/20/20 03:43	85-01-8	
Pyrene	**0.013J**	ug/L	0.040	0.0080	1	05/18/20 12:34	05/20/20 03:43	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	66	%	39-120		1	05/18/20 12:34	05/20/20 03:43	321-60-8	
Terphenyl-d14 (S)	94	%	10-159		1	05/18/20 12:34	05/20/20 03:43	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		05/15/20 22:16	71-43-2	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		05/15/20 22:16	100-41-4	
Toluene	**<0.27**	ug/L	0.90	0.27	1		05/15/20 22:16	108-88-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051320009 **Lab ID: 40207767009** Collected: 05/13/20 08:46 Received: 05/14/20 14:16 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		05/15/20 22:16	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/15/20 22:16	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/15/20 22:16	95-47-6	
Surrogates									
Dibromofluoromethane (S)	98	%	70-130		1		05/15/20 22:16	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		05/15/20 22:16	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		05/15/20 22:16	460-00-4	
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Sulfate	**9.5**	mg/L	2.0	0.44	1		05/20/20 17:45	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**251**	mg/L	49.6	14.9	2		05/26/20 13:13		
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		05/21/20 11:08		

Sample: 051320010 **Lab ID: 40207767010** Collected: 05/13/20 09:30 Received: 05/14/20 14:16 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	**584**	ug/L	14.0	3.3	5		05/15/20 12:23	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	05/17/20 17:53	05/27/20 14:03	7429-90-5	D3
Antimony, Dissolved	**<0.30**	ug/L	2.0	0.30	2	05/17/20 17:53	05/27/20 14:03	7440-36-0	D3
Copper, Dissolved	**12.9**	ug/L	7.3	2.2	2	05/17/20 17:53	05/27/20 14:03	7440-50-8	
Iron, Dissolved	**2110**	ug/L	500	116	2	05/17/20 17:53	05/27/20 14:03	7439-89-6	
Manganese, Dissolved	**3940**	ug/L	8.1	2.4	2	05/17/20 17:53	05/27/20 06:05	7439-96-5	
Nickel, Dissolved	**24.0**	ug/L	2.0	0.57	2	05/17/20 17:53	05/27/20 14:03	7440-02-0	
Silver, Dissolved	**<0.25**	ug/L	1.0	0.25	2	05/17/20 17:53	05/27/20 14:03	7440-22-4	D3
Vanadium, Dissolved	**<0.63**	ug/L	2.1	0.63	2	05/17/20 17:53	05/27/20 14:03	7440-62-2	D3
Zinc, Dissolved	**143**	ug/L	68.9	20.7	2	05/17/20 17:53	05/27/20 14:03	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	05/18/20 12:34	05/20/20 13:35	120-12-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051320010 **Lab ID: 40207767010** Collected: 05/13/20 09:30 Received: 05/14/20 14:16 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	**0.041J**	ug/L	0.055	0.011	1	05/18/20 12:34	05/20/20 13:35	50-32-8	
Benzo(b)fluoranthene	**0.063**	ug/L	0.030	0.0060	1	05/18/20 12:34	05/20/20 13:35	205-99-2	
Benzo(g,h,i)perylene	**0.042**	ug/L	0.035	0.0071	1	05/18/20 12:34	05/20/20 13:35	191-24-2	
Chrysene	**0.062J**	ug/L	0.068	0.014	1	05/18/20 12:34	05/20/20 13:35	218-01-9	
Fluoranthene	**0.13**	ug/L	0.056	0.011	1	05/18/20 12:34	05/20/20 13:35	206-44-0	
Fluorene	**<0.0083**	ug/L	0.042	0.0083	1	05/18/20 12:34	05/20/20 13:35	86-73-7	
Naphthalene	**<0.019**	ug/L	0.095	0.019	1	05/18/20 12:34	05/20/20 13:35	91-20-3	
Phenanthrene	**0.063J**	ug/L	0.072	0.014	1	05/18/20 12:34	05/20/20 13:35	85-01-8	
Pyrene	**0.10**	ug/L	0.040	0.0080	1	05/18/20 12:34	05/20/20 13:35	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	68	%	39-120		1	05/18/20 12:34	05/20/20 13:35	321-60-8	
Terphenyl-d14 (S)	107	%	10-159		1	05/18/20 12:34	05/20/20 13:35	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		05/15/20 22:38	71-43-2	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		05/15/20 22:38	100-41-4	
Toluene	**<0.27**	ug/L	0.90	0.27	1		05/15/20 22:38	108-88-3	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/15/20 22:38	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/15/20 22:38	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/15/20 22:38	95-47-6	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		1		05/15/20 22:38	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		05/15/20 22:38	2037-26-5	
4-Bromofluorobenzene (S)	87	%	70-130		1		05/15/20 22:38	460-00-4	
300.0 IC Anions	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Sulfate	**250**	mg/L	20.0	4.4	10		05/22/20 11:21	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**629**	mg/L	49.6	14.9	2		05/26/20 13:14		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
	Pace Analytical Services - Green Bay								
Nitrogen, NO2 plus NO3	**0.46**	mg/L	0.25	0.059	1		05/21/20 11:09		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051320011 **Lab ID: 40207767011** Collected: 05/13/20 09:35 Received: 05/14/20 14:16 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	**664**	ug/L	14.0	3.3	5		05/15/20 12:31	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	05/17/20 17:53	05/27/20 14:10	7429-90-5	D3
Antimony, Dissolved	**<0.30**	ug/L	2.0	0.30	2	05/17/20 17:53	05/27/20 14:10	7440-36-0	D3
Copper, Dissolved	**13.9**	ug/L	7.3	2.2	2	05/17/20 17:53	05/27/20 14:10	7440-50-8	
Iron, Dissolved	**2200**	ug/L	500	116	2	05/17/20 17:53	05/27/20 14:10	7439-89-6	
Manganese, Dissolved	**4000**	ug/L	8.1	2.4	2	05/17/20 17:53	05/27/20 06:12	7439-96-5	
Nickel, Dissolved	**26.1**	ug/L	2.0	0.57	2	05/17/20 17:53	05/27/20 14:10	7440-02-0	
Silver, Dissolved	**<0.25**	ug/L	1.0	0.25	2	05/17/20 17:53	05/27/20 14:10	7440-22-4	D3
Vanadium, Dissolved	**<0.63**	ug/L	2.1	0.63	2	05/17/20 17:53	05/27/20 14:10	7440-62-2	D3
Zinc, Dissolved	**146**	ug/L	68.9	20.7	2	05/17/20 17:53	05/27/20 14:10	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	05/18/20 12:34	05/20/20 13:54	120-12-7	
Benzo(a)pyrene	**<0.010**	ug/L	0.052	0.010	1	05/18/20 12:34	05/20/20 13:54	50-32-8	
Benzo(b)fluoranthene	**<0.0056**	ug/L	0.028	0.0056	1	05/18/20 12:34	05/20/20 13:54	205-99-2	
Benzo(g,h,i)perylene	**<0.0066**	ug/L	0.033	0.0066	1	05/18/20 12:34	05/20/20 13:54	191-24-2	
Chrysene	**<0.013**	ug/L	0.064	0.013	1	05/18/20 12:34	05/20/20 13:54	218-01-9	
Fluoranthene	**<0.010**	ug/L	0.052	0.010	1	05/18/20 12:34	05/20/20 13:54	206-44-0	
Fluorene	**<0.0078**	ug/L	0.039	0.0078	1	05/18/20 12:34	05/20/20 13:54	86-73-7	
Naphthalene	**<0.018**	ug/L	0.090	0.018	1	05/18/20 12:34	05/20/20 13:54	91-20-3	
Phenanthrene	**<0.014**	ug/L	0.068	0.014	1	05/18/20 12:34	05/20/20 13:54	85-01-8	
Pyrene	**0.0093J**	ug/L	0.038	0.0075	1	05/18/20 12:34	05/20/20 13:54	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	74	%	39-120		1	05/18/20 12:34	05/20/20 13:54	321-60-8	
Terphenyl-d14 (S)	100	%	10-159		1	05/18/20 12:34	05/20/20 13:54	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		05/15/20 23:00	71-43-2	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		05/15/20 23:00	100-41-4	
Toluene	**<0.27**	ug/L	0.90	0.27	1		05/15/20 23:00	108-88-3	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/15/20 23:00	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/15/20 23:00	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/15/20 23:00	95-47-6	
Surrogates									
Dibromofluoromethane (S)	99	%	70-130		1		05/15/20 23:00	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		05/15/20 23:00	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		05/15/20 23:00	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051320011 **Lab ID: 40207767011** Collected: 05/13/20 09:35 Received: 05/14/20 14:16 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	**271**	mg/L	20.0	4.4	10		05/22/20 11:35	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**639**	mg/L	49.6	14.9	2		05/26/20 13:15		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay								
Nitrogen, NO2 plus NO3	**0.38**	mg/L	0.25	0.059	1		05/21/20 11:09		

Sample: 051320012 **Lab ID: 40207767012** Collected: 05/13/20 10:00 Received: 05/14/20 14:16 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	**1.2J**	ug/L	2.8	0.66	1		05/26/20 08:18	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	05/17/20 17:53	05/27/20 14:17	7429-90-5	D3
Antimony, Dissolved	**<0.30**	ug/L	2.0	0.30	2	05/17/20 17:53	05/27/20 14:17	7440-36-0	D3
Copper, Dissolved	**3.2J**	ug/L	7.3	2.2	2	05/17/20 17:53	05/27/20 14:17	7440-50-8	D3
Iron, Dissolved	**122J**	ug/L	500	116	2	05/17/20 17:53	05/27/20 14:17	7439-89-6	D3
Manganese, Dissolved	**39.1**	ug/L	8.1	2.4	2	05/17/20 17:53	05/27/20 06:18	7439-96-5	
Nickel, Dissolved	**<0.57**	ug/L	2.0	0.57	2	05/17/20 17:53	05/27/20 14:17	7440-02-0	D3
Silver, Dissolved	**<0.25**	ug/L	1.0	0.25	2	05/17/20 17:53	05/27/20 14:17	7440-22-4	D3
Vanadium, Dissolved	**0.84J**	ug/L	2.1	0.63	2	05/17/20 17:53	05/27/20 14:17	7440-62-2	D3
Zinc, Dissolved	**<20.7**	ug/L	68.9	20.7	2	05/17/20 17:53	05/27/20 14:17	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	**<0.0099**	ug/L	0.049	0.0099	1	05/18/20 12:34	05/20/20 14:12	120-12-7	
Benzo(a)pyrene	**<0.0099**	ug/L	0.050	0.0099	1	05/18/20 12:34	05/20/20 14:12	50-32-8	
Benzo(b)fluoranthene	**0.014J**	ug/L	0.027	0.0054	1	05/18/20 12:34	05/20/20 14:12	205-99-2	
Benzo(g,h,i)perylene	**0.0098J**	ug/L	0.032	0.0064	1	05/18/20 12:34	05/20/20 14:12	191-24-2	
Chrysene	**<0.012**	ug/L	0.062	0.012	1	05/18/20 12:34	05/20/20 14:12	218-01-9	
Fluoranthene	**0.045J**	ug/L	0.050	0.010	1	05/18/20 12:34	05/20/20 14:12	206-44-0	
Fluorene	**0.015J**	ug/L	0.038	0.0075	1	05/18/20 12:34	05/20/20 14:12	86-73-7	
Naphthalene	**<0.017**	ug/L	0.086	0.017	1	05/18/20 12:34	05/20/20 14:12	91-20-3	
Phenanthrene	**<0.013**	ug/L	0.065	0.013	1	05/18/20 12:34	05/20/20 14:12	85-01-8	
Pyrene	**0.033J**	ug/L	0.036	0.0072	1	05/18/20 12:34	05/20/20 14:12	129-00-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051320012 **Lab ID: 40207767012** Collected: 05/13/20 10:00 Received: 05/14/20 14:16 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)	38	%	39-120		1	05/18/20 12:34	05/20/20 14:12	321-60-8	1q,S0
Terphenyl-d14 (S)	51	%	10-159		1	05/18/20 12:34	05/20/20 14:12	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		05/15/20 23:21	71-43-2	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		05/15/20 23:21	100-41-4	
Toluene	**<0.27**	ug/L	0.90	0.27	1		05/15/20 23:21	108-88-3	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/15/20 23:21	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/15/20 23:21	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/15/20 23:21	95-47-6	
Surrogates									
Dibromofluoromethane (S)	99	%	70-130		1		05/15/20 23:21	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		05/15/20 23:21	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		05/15/20 23:21	460-00-4	
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Sulfate	**28.6**	mg/L	2.0	0.44	1		05/20/20 18:28	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**331**	mg/L	24.8	7.4	1		05/26/20 13:17		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay								
Nitrogen, NO2 plus NO3	**0.16J**	mg/L	0.25	0.059	1		05/21/20 11:10		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

[redacted]

REPORT OF LABORATORY ANALYSIS

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

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

[redacted]

Sample: 051320014 **Lab ID: 40207767014** Collected: 05/13/20 11:58 Received: 05/14/20 14:16 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	**5270**	ug/L	140	33.2	50		05/26/20 13:43	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	05/17/20 17:53	05/27/20 12:21	7429-90-5	D3
Antimony, Dissolved	**<0.30**	ug/L	2.0	0.30	2	05/17/20 17:53	05/27/20 12:21	7440-36-0	D3
Copper, Dissolved	**<2.2**	ug/L	7.3	2.2	2	05/17/20 17:53	05/27/20 12:21	7440-50-8	D3
Iron, Dissolved	**34800**	ug/L	500	116	2	05/17/20 17:53	05/27/20 12:21	7439-89-6	P6
Manganese, Dissolved	**628**	ug/L	8.1	2.4	2	05/17/20 17:53	05/27/20 04:23	7439-96-5	
Nickel, Dissolved	**0.62J**	ug/L	2.0	0.57	2	05/17/20 17:53	05/27/20 12:21	7440-02-0	D3
Silver, Dissolved	**<0.25**	ug/L	1.0	0.25	2	05/17/20 17:53	05/27/20 12:21	7440-22-4	D3
Vanadium, Dissolved	**1.3J**	ug/L	2.1	0.63	2	05/17/20 17:53	05/27/20 12:21	7440-62-2	D3
Zinc, Dissolved	**<20.7**	ug/L	68.9	20.7	2	05/17/20 17:53	05/27/20 12:21	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	**4.2**	ug/L	2.6	0.52	50	05/16/20 06:50	05/18/20 20:38	120-12-7	M6
Benzo(a)pyrene	**<0.53**	ug/L	2.6	0.53	50	05/16/20 06:50	05/18/20 20:38	50-32-8	
Benzo(b)fluoranthene	**<0.29**	ug/L	1.4	0.29	50	05/16/20 06:50	05/18/20 20:38	205-99-2	
Benzo(g,h,i)perylene	**<0.34**	ug/L	1.7	0.34	50	05/16/20 06:50	05/18/20 20:38	191-24-2	
Chrysene	**<0.65**	ug/L	3.3	0.65	50	05/16/20 06:50	05/18/20 20:38	218-01-9	
Fluoranthene	**2.5J**	ug/L	2.7	0.53	50	05/16/20 06:50	05/18/20 20:38	206-44-0	
Fluorene	**24.7**	ug/L	2.0	0.40	50	05/16/20 06:50	05/18/20 20:38	86-73-7	M6
Naphthalene	**382**	ug/L	4.6	0.92	50	05/16/20 06:50	05/18/20 20:38	91-20-3	M6
Phenanthrene	**21.5**	ug/L	3.4	0.69	50	05/16/20 06:50	05/18/20 20:38	85-01-8	M6
Pyrene	**2.2**	ug/L	1.9	0.38	50	05/16/20 06:50	05/18/20 20:38	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	0	%	39-120		50	05/16/20 06:50	05/18/20 20:38	321-60-8	S4
Terphenyl-d14 (S)	0	%	10-159		50	05/16/20 06:50	05/18/20 20:38	1718-51-0	S4
8260 MSV UST	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**52.2**	ug/L	4.0	0.99	4		05/15/20 20:26	71-43-2	
Ethylbenzene	**55.9**	ug/L	4.2	1.3	4		05/15/20 20:26	100-41-4	
Toluene	**3.8**	ug/L	3.6	1.1	4		05/15/20 20:26	108-88-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051320014 **Lab ID: 40207767014** Collected: 05/13/20 11:58 Received: 05/14/20 14:16 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)	**47.2**	ug/L	12.0	6.0	4		05/15/20 20:26	1330-20-7	
m&p-Xylene	**11.2**	ug/L	8.0	1.9	4		05/15/20 20:26	179601-23-1	
o-Xylene	**36.0**	ug/L	4.0	1.0	4		05/15/20 20:26	95-47-6	
Surrogates									
Dibromofluoromethane (S)	98	%	70-130		4		05/15/20 20:26	1868-53-7	D3
Toluene-d8 (S)	96	%	70-130		4		05/15/20 20:26	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130		4		05/15/20 20:26	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		05/20/20 18:57	14808-79-8	D3
310.2 Alkalinity	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**683**	mg/L	124	37.2	5		05/26/20 13:19		
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		05/21/20 11:11		M0

Sample: 051320015 **Lab ID: 40207767015** Collected: 05/13/20 12:47 Received: 05/14/20 14:16 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	**768**	ug/L	14.0	3.3	5		05/26/20 11:47	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	05/17/20 17:53	05/27/20 14:44	7429-90-5	D3
Antimony, Dissolved	**0.54J**	ug/L	2.0	0.30	2	05/17/20 17:53	05/27/20 14:44	7440-36-0	D3
Copper, Dissolved	**4.9J**	ug/L	7.3	2.2	2	05/17/20 17:53	05/27/20 14:44	7440-50-8	D3
Iron, Dissolved	**196J**	ug/L	500	116	2	05/17/20 17:53	05/27/20 14:44	7439-89-6	D3
Manganese, Dissolved	**467**	ug/L	8.1	2.4	2	05/17/20 17:53	05/27/20 06:46	7439-96-5	
Nickel, Dissolved	**2.2**	ug/L	2.0	0.57	2	05/17/20 17:53	05/27/20 14:44	7440-02-0	
Silver, Dissolved	**<0.25**	ug/L	1.0	0.25	2	05/17/20 17:53	05/27/20 14:44	7440-22-4	D3
Vanadium, Dissolved	**0.64J**	ug/L	2.1	0.63	2	05/17/20 17:53	05/27/20 14:44	7440-62-2	D3
Zinc, Dissolved	**<20.7**	ug/L	68.9	20.7	2	05/17/20 17:53	05/27/20 14:44	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	**0.012J**	ug/L	0.055	0.011	1	05/19/20 10:00	05/20/20 17:35	120-12-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051320015 **Lab ID: 40207767015** Collected: 05/13/20 12:47 Received: 05/14/20 14:16 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	**0.019J**	ug/L	0.055	0.011	1	05/19/20 10:00	05/20/20 17:35	50-32-8	
Benzo(b)fluoranthene	**0.034**	ug/L	0.030	0.0060	1	05/19/20 10:00	05/20/20 17:35	205-99-2	
Benzo(g,h,i)perylene	**0.020J**	ug/L	0.036	0.0071	1	05/19/20 10:00	05/20/20 17:35	191-24-2	
Chrysene	**0.031J**	ug/L	0.069	0.014	1	05/19/20 10:00	05/20/20 17:35	218-01-9	
Fluoranthene	**0.061**	ug/L	0.056	0.011	1	05/19/20 10:00	05/20/20 17:35	206-44-0	
Fluorene	**0.010J**	ug/L	0.042	0.0084	1	05/19/20 10:00	05/20/20 17:35	86-73-7	
Naphthalene	**<0.019**	ug/L	0.096	0.019	1	05/19/20 10:00	05/20/20 17:35	91-20-3	
Phenanthrene	**0.019J**	ug/L	0.073	0.015	1	05/19/20 10:00	05/20/20 17:35	85-01-8	
Pyrene	**0.052**	ug/L	0.040	0.0081	1	05/19/20 10:00	05/20/20 17:35	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	60	%	39-120		1	05/19/20 10:00	05/20/20 17:35	321-60-8	
Terphenyl-d14 (S)	70	%	10-159		1	05/19/20 10:00	05/20/20 17:35	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		05/18/20 13:03	71-43-2	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		05/18/20 13:03	100-41-4	
Toluene	**<0.27**	ug/L	0.90	0.27	1		05/18/20 13:03	108-88-3	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/18/20 13:03	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/18/20 13:03	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/18/20 13:03	95-47-6	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		1		05/18/20 13:03	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/18/20 13:03	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130		1		05/18/20 13:03	460-00-4	
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Sulfate	**167**	mg/L	20.0	4.4	10		05/21/20 17:23	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**360**	mg/L	49.6	14.9	2		05/26/20 13:22		
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay								
Nitrogen, NO2 plus NO3	**2.3**	mg/L	0.25	0.059	1		05/21/20 11:17		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051320016 **Lab ID: 40207767016** Collected: 05/13/20 13:13 Received: 05/14/20 14:16 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	**7170**	ug/L	140	33.2	50		05/26/20 11:54	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	05/17/20 17:53	05/27/20 14:51	7429-90-5	D3
Antimony, Dissolved	**<0.30**	ug/L	2.0	0.30	2	05/17/20 17:53	05/27/20 14:51	7440-36-0	D3
Copper, Dissolved	**<2.2**	ug/L	7.3	2.2	2	05/17/20 17:53	05/27/20 14:51	7440-50-8	D3
Iron, Dissolved	**19000**	ug/L	500	116	2	05/17/20 17:53	05/27/20 14:51	7439-89-6	
Manganese, Dissolved	**351**	ug/L	8.1	2.4	2	05/17/20 17:53	05/27/20 06:53	7439-96-5	
Nickel, Dissolved	**<0.57**	ug/L	2.0	0.57	2	05/17/20 17:53	05/27/20 14:51	7440-02-0	D3
Silver, Dissolved	**<0.25**	ug/L	1.0	0.25	2	05/17/20 17:53	05/27/20 14:51	7440-22-4	D3
Vanadium, Dissolved	**<0.63**	ug/L	2.1	0.63	2	05/17/20 17:53	05/27/20 14:51	7440-62-2	D3
Zinc, Dissolved	**<20.7**	ug/L	68.9	20.7	2	05/17/20 17:53	05/27/20 14:51	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	**0.044J**	ug/L	0.051	0.010	1	05/19/20 10:00	05/20/20 17:54	120-12-7	
Benzo(a)pyrene	**0.059**	ug/L	0.051	0.010	1	05/19/20 10:00	05/20/20 17:54	50-32-8	
Benzo(b)fluoranthene	**0.093**	ug/L	0.028	0.0056	1	05/19/20 10:00	05/20/20 17:54	205-99-2	
Benzo(g,h,i)perylene	**0.053**	ug/L	0.033	0.0066	1	05/19/20 10:00	05/20/20 17:54	191-24-2	
Chrysene	**0.11**	ug/L	0.063	0.013	1	05/19/20 10:00	05/20/20 17:54	218-01-9	
Fluoranthene	**0.31**	ug/L	0.052	0.010	1	05/19/20 10:00	05/20/20 17:54	206-44-0	
Fluorene	**0.35**	ug/L	0.039	0.0077	1	05/19/20 10:00	05/20/20 17:54	86-73-7	
Naphthalene	**0.067J**	ug/L	0.089	0.018	1	05/19/20 10:00	05/20/20 17:54	91-20-3	
Phenanthrene	**0.044J**	ug/L	0.067	0.013	1	05/19/20 10:00	05/20/20 17:54	85-01-8	
Pyrene	**0.29**	ug/L	0.037	0.0074	1	05/19/20 10:00	05/20/20 17:54	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	63	%	39-120		1	05/19/20 10:00	05/20/20 17:54	321-60-8	
Terphenyl-d14 (S)	88	%	10-159		1	05/19/20 10:00	05/20/20 17:54	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		05/18/20 17:21	71-43-2	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		05/18/20 17:21	100-41-4	
Toluene	**<0.27**	ug/L	0.90	0.27	1		05/18/20 17:21	108-88-3	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/18/20 17:21	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/18/20 17:21	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/18/20 17:21	95-47-6	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		1		05/18/20 17:21	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/18/20 17:21	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		05/18/20 17:21	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051320016 **Lab ID: 40207767016** Collected: 05/13/20 13:13 Received: 05/14/20 14:16 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		05/22/20 13:26	14808-79-8	D3
310.2 Alkalinity	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**246**	mg/L	49.6	14.9	2		05/26/20 13:26		
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		05/21/20 11:17		

Sample: 051320017 **Lab ID: 40207767017** Collected: 05/13/20 13:41 Received: 05/14/20 14:16 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	**25300**	ug/L	280	66.5	100		05/26/20 12:00	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	05/17/20 17:53	05/27/20 14:58	7429-90-5	D3
Antimony, Dissolved	**<0.30**	ug/L	2.0	0.30	2	05/17/20 17:53	05/27/20 14:58	7440-36-0	D3
Copper, Dissolved	**<2.2**	ug/L	7.3	2.2	2	05/17/20 17:53	05/27/20 14:58	7440-50-8	D3
Iron, Dissolved	**14400**	ug/L	500	116	2	05/17/20 17:53	05/27/20 14:58	7439-89-6	
Manganese, Dissolved	**718**	ug/L	8.1	2.4	2	05/17/20 17:53	05/27/20 06:59	7439-96-5	
Nickel, Dissolved	**<0.57**	ug/L	2.0	0.57	2	05/17/20 17:53	05/27/20 14:58	7440-02-0	D3
Silver, Dissolved	**<0.25**	ug/L	1.0	0.25	2	05/17/20 17:53	05/27/20 14:58	7440-22-4	D3
Vanadium, Dissolved	**0.83J**	ug/L	2.1	0.63	2	05/17/20 17:53	05/27/20 14:58	7440-62-2	D3
Zinc, Dissolved	**<20.7**	ug/L	68.9	20.7	2	05/17/20 17:53	05/27/20 14:58	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	**0.045J**	ug/L	0.049	0.0099	1	05/19/20 10:00	05/20/20 18:12	120-12-7	
Benzo(a)pyrene	**0.041J**	ug/L	0.050	0.0099	1	05/19/20 10:00	05/20/20 18:12	50-32-8	
Benzo(b)fluoranthene	**0.057**	ug/L	0.027	0.0054	1	05/19/20 10:00	05/20/20 18:12	205-99-2	
Benzo(g,h,i)perylene	**0.030J**	ug/L	0.032	0.0064	1	05/19/20 10:00	05/20/20 18:12	191-24-2	
Chrysene	**0.072**	ug/L	0.062	0.012	1	05/19/20 10:00	05/20/20 18:12	218-01-9	
Fluoranthene	**0.20**	ug/L	0.050	0.010	1	05/19/20 10:00	05/20/20 18:12	206-44-0	
Fluorene	**0.15**	ug/L	0.038	0.0075	1	05/19/20 10:00	05/20/20 18:12	86-73-7	
Naphthalene	**0.027J**	ug/L	0.086	0.017	1	05/19/20 10:00	05/20/20 18:12	91-20-3	
Phenanthrene	**0.17**	ug/L	0.065	0.013	1	05/19/20 10:00	05/20/20 18:12	85-01-8	
Pyrene	**0.17**	ug/L	0.036	0.0072	1	05/19/20 10:00	05/20/20 18:12	129-00-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051320017 **Lab ID: 40207767017** Collected: 05/13/20 13:41 Received: 05/14/20 14:16 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)	67	%	39-120		1	05/19/20 10:00	05/20/20 18:12	321-60-8	
Terphenyl-d14 (S)	80	%	10-159		1	05/19/20 10:00	05/20/20 18:12	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		05/18/20 17:43	71-43-2	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		05/18/20 17:43	100-41-4	
Toluene	**<0.27**	ug/L	0.90	0.27	1		05/18/20 17:43	108-88-3	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/18/20 17:43	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/18/20 17:43	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/18/20 17:43	95-47-6	
Surrogates									
Dibromofluoromethane (S)	101	%	70-130		1		05/18/20 17:43	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		05/18/20 17:43	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		1		05/18/20 17:43	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		05/22/20 13:41	14808-79-8	D3
310.2 Alkalinity	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**772**	mg/L	49.6	14.9	2		05/26/20 13:28		
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		05/21/20 11:18		

Sample: 051320018 **Lab ID: 40207767018** Collected: 05/13/20 14:14 Received: 05/14/20 14:16 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	**19500**	ug/L	280	66.5	100		05/26/20 12:07	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	05/17/20 17:53	05/27/20 15:05	7429-90-5	D3
Antimony, Dissolved	**<0.30**	ug/L	2.0	0.30	2	05/17/20 17:53	05/27/20 15:05	7440-36-0	D3
Copper, Dissolved	**<2.2**	ug/L	7.3	2.2	2	05/17/20 17:53	05/27/20 15:05	7440-50-8	D3
Iron, Dissolved	**8760**	ug/L	500	116	2	05/17/20 17:53	05/27/20 15:05	7439-89-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051320018 **Lab ID: 40207767018** Collected: 05/13/20 14:14 Received: 05/14/20 14:16 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	**754**	ug/L	8.1	2.4	2	05/17/20 17:53	05/27/20 07:06	7439-96-5	
Nickel, Dissolved	**0.60J**	ug/L	2.0	0.57	2	05/17/20 17:53	05/27/20 15:05	7440-02-0	D3
Silver, Dissolved	**<0.25**	ug/L	1.0	0.25	2	05/17/20 17:53	05/27/20 15:05	7440-22-4	D3
Vanadium, Dissolved	**<0.63**	ug/L	2.1	0.63	2	05/17/20 17:53	05/27/20 15:05	7440-62-2	D3
Zinc, Dissolved	**<20.7**	ug/L	68.9	20.7	2	05/17/20 17:53	05/27/20 15:05	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	05/19/20 10:00	05/20/20 18:31	120-12-7	
Benzo(a)pyrene	**<0.011**	ug/L	0.054	0.011	1	05/19/20 10:00	05/20/20 18:31	50-32-8	
Benzo(b)fluoranthene	**<0.0059**	ug/L	0.029	0.0059	1	05/19/20 10:00	05/20/20 18:31	205-99-2	
Benzo(g,h,i)perylene	**<0.0069**	ug/L	0.035	0.0069	1	05/19/20 10:00	05/20/20 18:31	191-24-2	
Chrysene	**<0.013**	ug/L	0.067	0.013	1	05/19/20 10:00	05/20/20 18:31	218-01-9	
Fluoranthene	**<0.011**	ug/L	0.054	0.011	1	05/19/20 10:00	05/20/20 18:31	206-44-0	
Fluorene	**<0.0081**	ug/L	0.041	0.0081	1	05/19/20 10:00	05/20/20 18:31	86-73-7	
Naphthalene	**<0.019**	ug/L	0.094	0.019	1	05/19/20 10:00	05/20/20 18:31	91-20-3	
Phenanthrene	**<0.014**	ug/L	0.070	0.014	1	05/19/20 10:00	05/20/20 18:31	85-01-8	
Pyrene	**<0.0078**	ug/L	0.039	0.0078	1	05/19/20 10:00	05/20/20 18:31	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	71	%	39-120		1	05/19/20 10:00	05/20/20 18:31	321-60-8	
Terphenyl-d14 (S)	92	%	10-159		1	05/19/20 10:00	05/20/20 18:31	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		05/18/20 18:06	71-43-2	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		05/18/20 18:06	100-41-4	
Toluene	**<0.27**	ug/L	0.90	0.27	1		05/18/20 18:06	108-88-3	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/18/20 18:06	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/18/20 18:06	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/18/20 18:06	95-47-6	
Surrogates									
Dibromofluoromethane (S)	103	%	70-130		1		05/18/20 18:06	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/18/20 18:06	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		1		05/18/20 18:06	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		05/22/20 13:56	14808-79-8	D3
310.2 Alkalinity	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**400**	mg/L	124	37.2	5		05/26/20 13:29		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051320018 **Lab ID: 40207767018** Collected: 05/13/20 14:14 Received: 05/14/20 14:16 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		05/21/20 11:19		

Sample: 051320019 **Lab ID: 40207767019** Collected: 05/13/20 16:06 Received: 05/14/20 14:16 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	**228**	ug/L	2.8	0.66	1		05/27/20 11:57	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	05/17/20 17:53	05/27/20 15:11	7429-90-5	D3
Antimony, Dissolved	**1.1J**	ug/L	2.0	0.30	2	05/17/20 17:53	05/27/20 15:11	7440-36-0	D3
Copper, Dissolved	**<2.2**	ug/L	7.3	2.2	2	05/17/20 17:53	05/27/20 15:11	7440-50-8	D3
Iron, Dissolved	**1950**	ug/L	500	116	2	05/17/20 17:53	05/27/20 15:11	7439-89-6	
Manganese, Dissolved	**1740**	ug/L	8.1	2.4	2	05/17/20 17:53	05/27/20 07:13	7439-96-5	M0
Nickel, Dissolved	**3.9**	ug/L	2.0	0.57	2	05/17/20 17:53	05/27/20 15:11	7440-02-0	
Silver, Dissolved	**<0.25**	ug/L	1.0	0.25	2	05/17/20 17:53	05/27/20 15:11	7440-22-4	D3
Vanadium, Dissolved	**0.92J**	ug/L	2.1	0.63	2	05/17/20 17:53	05/27/20 15:11	7440-62-2	D3
Zinc, Dissolved	**<20.7**	ug/L	68.9	20.7	2	05/17/20 17:53	05/27/20 15:11	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	**0.18**	ug/L	0.16	0.033	3	05/18/20 12:34	05/20/20 04:33	120-12-7	
Benzo(a)pyrene	**<0.033**	ug/L	0.16	0.033	3	05/18/20 12:34	05/20/20 04:33	50-32-8	
Benzo(b)fluoranthene	**0.019J**	ug/L	0.090	0.018	3	05/18/20 12:34	05/20/20 04:33	205-99-2	
Benzo(g,h,i)perylene	**0.034J**	ug/L	0.11	0.021	3	05/18/20 12:34	05/20/20 04:33	191-24-2	
Chrysene	**<0.041**	ug/L	0.20	0.041	3	05/18/20 12:34	05/20/20 04:33	218-01-9	
Fluoranthene	**0.072J**	ug/L	0.17	0.033	3	05/18/20 12:34	05/20/20 04:33	206-44-0	
Fluorene	**0.48**	ug/L	0.12	0.025	3	05/18/20 12:34	05/20/20 04:33	86-73-7	
Naphthalene	**26.6**	ug/L	0.29	0.057	3	05/18/20 12:34	05/20/20 04:33	91-20-3	M1
Phenanthrene	**0.26**	ug/L	0.22	0.043	3	05/18/20 12:34	05/20/20 04:33	85-01-8	M1,R1
Pyrene	**<0.024**	ug/L	0.12	0.024	3	05/18/20 12:34	05/20/20 04:33	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	60	%	39-120		3	05/18/20 12:34	05/20/20 04:33	321-60-8	
Terphenyl-d14 (S)	71	%	10-159		3	05/18/20 12:34	05/20/20 04:33	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**76.2**	ug/L	1.0	0.25	1		05/18/20 09:43	71-43-2	
Ethylbenzene	**7.9**	ug/L	1.1	0.32	1		05/18/20 09:43	100-41-4	
Toluene	**13.3**	ug/L	0.90	0.27	1		05/18/20 09:43	108-88-3	

REPORT OF LABORATORY ANALYSIS

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

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051320019 **Lab ID: 40207767019** Collected: 05/13/20 16:06 Received: 05/14/20 14:16 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)	**14.3**	ug/L	3.0	1.5	1		05/18/20 09:43	1330-20-7	
m&p-Xylene	**7.6**	ug/L	2.0	0.47	1		05/18/20 09:43	179601-23-1	
o-Xylene	**6.6**	ug/L	1.0	0.26	1		05/18/20 09:43	95-47-6	
Surrogates									
Dibromofluoromethane (S)	103	%	70-130		1		05/18/20 09:43	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/18/20 09:43	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		1		05/18/20 09:43	460-00-4	
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Sulfate	**27.9**	mg/L	2.0	0.44	1		05/22/20 14:11	14808-79-8	M0
310.2 Alkalinity	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**323**	mg/L	124	37.2	5		05/26/20 13:30		
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		05/21/20 11:19		

Sample: 051320020 **Lab ID: 40207767020** Collected: 05/13/20 17:26 Received: 05/14/20 14:16 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	0.057	0.011	1	05/19/20 10:00	05/20/20 18:49	50-32-8	
Benzo(b)fluoranthene	**0.0063J**	ug/L	0.031	0.0062	1	05/19/20 10:00	05/20/20 18:49	205-99-2	
Chrysene	**<0.014**	ug/L	0.070	0.014	1	05/19/20 10:00	05/20/20 18:49	218-01-9	
Naphthalene	**0.47**	ug/L	0.099	0.020	1	05/19/20 10:00	05/20/20 18:49	91-20-3	
Surrogates									
2-Fluorobiphenyl (S)	73	%	39-120		1	05/19/20 10:00	05/20/20 18:49	321-60-8	
Terphenyl-d14 (S)	84	%	10-159		1	05/19/20 10:00	05/20/20 18:49	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		05/18/20 18:28	71-43-2	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		05/18/20 18:28	100-41-4	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		1		05/18/20 18:28	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		05/18/20 18:28	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		1		05/18/20 18:28	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051320021 **Lab ID: 40207767021** Collected: 05/13/20 17:57 Received: 05/14/20 14:16 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	05/19/20 10:00	05/20/20 20:22	50-32-8	
Benzo(b)fluoranthene	**<2.9**	ug/L	14.3	2.9	500	05/19/20 10:00	05/20/20 20:22	205-99-2	
Chrysene	**<6.5**	ug/L	32.6	6.5	500	05/19/20 10:00	05/20/20 20:22	218-01-9	
Naphthalene	**5020**	ug/L	45.8	9.2	500	05/19/20 10:00	05/20/20 20:22	91-20-3	
Surrogates									
2-Fluorobiphenyl (S)	0	%	39-120		500	05/19/20 10:00	05/20/20 20:22	321-60-8	S4
Terphenyl-d14 (S)	0	%	10-159		500	05/19/20 10:00	05/20/20 20:22	1718-51-0	S4
8260 MSV UST	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Benzene	**1620**	ug/L	40.0	9.9	40		05/18/20 10:27	71-43-2	
Ethylbenzene	**2260**	ug/L	42.5	12.7	40		05/18/20 10:27	100-41-4	
Surrogates									
Dibromofluoromethane (S)	98	%	70-130		40		05/18/20 10:27	1868-53-7	
Toluene-d8 (S)	99	%	70-130		40		05/18/20 10:27	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		40		05/18/20 10:27	460-00-4	

Sample: 051320022 **Lab ID: 40207767022** Collected: 05/13/20 18:56 Received: 05/14/20 14:16 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	05/19/20 10:00	05/20/20 20:40	50-32-8	
Benzo(b)fluoranthene	**4.4J**	ug/L	11.5	2.3	400	05/19/20 10:00	05/20/20 20:40	205-99-2	
Chrysene	**<5.2**	ug/L	26.1	5.2	400	05/19/20 10:00	05/20/20 20:40	218-01-9	
Naphthalene	**2660**	ug/L	36.7	7.3	400	05/19/20 10:00	05/20/20 20:40	91-20-3	
Surrogates									
2-Fluorobiphenyl (S)	0	%	39-120		400	05/19/20 10:00	05/20/20 20:40	321-60-8	S4
Terphenyl-d14 (S)	0	%	10-159		400	05/19/20 10:00	05/20/20 20:40	1718-51-0	S4
8260 MSV UST	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Benzene	**1760**	ug/L	20.0	4.9	20		05/18/20 10:05	71-43-2	
Ethylbenzene	**198**	ug/L	21.2	6.4	20		05/18/20 10:05	100-41-4	
Surrogates									
Dibromofluoromethane (S)	99	%	70-130		20		05/18/20 10:05	1868-53-7	
Toluene-d8 (S)	100	%	70-130		20		05/18/20 10:05	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		20		05/18/20 10:05	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051320023 **Lab ID: 40207767023** Collected: 05/13/20 19:15 Received: 05/14/20 14:16 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		05/18/20 13:25	71-43-2	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		05/18/20 13:25	100-41-4	
Toluene	**0.50J**	ug/L	0.90	0.27	1		05/18/20 13:25	108-88-3	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/18/20 13:25	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/18/20 13:25	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/18/20 13:25	95-47-6	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		1		05/18/20 13:25	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/18/20 13:25	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-130		1		05/18/20 13:25	460-00-4	

Sample: 051420024 **Lab ID: 40207767024** Collected: 05/14/20 06:54 Received: 05/14/20 14:16 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	**<5.1**	ug/L	25.5	5.1	500	05/20/20 06:06	05/20/20 21:17	50-32-8	
Benzo(b)fluoranthene	**4.2J**	ug/L	13.9	2.8	500	05/20/20 06:06	05/20/20 21:17	205-99-2	
Chrysene	**6.7J**	ug/L	31.7	6.3	500	05/20/20 06:06	05/20/20 21:17	218-01-9	
Naphthalene	**3950**	ug/L	44.5	8.9	500	05/20/20 06:06	05/20/20 21:17	91-20-3	
Surrogates									
2-Fluorobiphenyl (S)	0	%	39-120		500	05/20/20 06:06	05/20/20 21:17	321-60-8	S4
Terphenyl-d14 (S)	0	%	10-159		500	05/20/20 06:06	05/20/20 21:17	1718-51-0	S4
8260 MSV UST	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**870**	ug/L	50.0	12.3	50		05/18/20 10:49	71-43-2	
Ethylbenzene	**1040**	ug/L	53.1	15.9	50		05/18/20 10:49	100-41-4	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		50		05/18/20 10:49	1868-53-7	
Toluene-d8 (S)	100	%	70-130		50		05/18/20 10:49	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		50		05/18/20 10:49	460-00-4	

Sample: 051420025 **Lab ID: 40207767025** Collected: 05/14/20 06:59 Received: 05/14/20 14:16 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	**<3.1**	ug/L	15.3	3.1	300	05/20/20 06:06	05/20/20 21:36	50-32-8	
Benzo(b)fluoranthene	**1.9J**	ug/L	8.4	1.7	300	05/20/20 06:06	05/20/20 21:36	205-99-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051420025 **Lab ID: 40207767025** Collected: 05/14/20 06:59 Received: 05/14/20 14:16 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	**4.2J**	ug/L	19.0	3.8	300	05/20/20 06:06	05/20/20 21:36	218-01-9	
Naphthalene	**2180**	ug/L	26.7	5.3	300	05/20/20 06:06	05/20/20 21:36	91-20-3	
Surrogates									
2-Fluorobiphenyl (S)	0	%	39-120		300	05/20/20 06:06	05/20/20 21:36	321-60-8	S4
Terphenyl-d14 (S)	0	%	10-159		300	05/20/20 06:06	05/20/20 21:36	1718-51-0	S4
8260 MSV UST	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**757**	ug/L	125	30.8	125		05/18/20 11:12	71-43-2	
Ethylbenzene	**863**	ug/L	133	39.8	125		05/18/20 11:12	100-41-4	
Surrogates									
Dibromofluoromethane (S)	99	%	70-130		125		05/18/20 11:12	1868-53-7	
Toluene-d8 (S)	100	%	70-130		125		05/18/20 11:12	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		125		05/18/20 11:12	460-00-4	

Sample: 051420026 **Lab ID: 40207767026** Collected: 05/14/20 07:29 Received: 05/14/20 14:16 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	**6.2J**	ug/L	23.4	4.7	400	05/20/20 06:06	05/22/20 20:25	50-32-8	
Benzo(b)fluoranthene	**6.7J**	ug/L	12.7	2.6	400	05/20/20 06:06	05/22/20 20:25	205-99-2	
Chrysene	**8.7J**	ug/L	29.0	5.8	400	05/20/20 06:06	05/22/20 20:25	218-01-9	
Naphthalene	**3850**	ug/L	40.7	8.1	400	05/20/20 06:06	05/22/20 20:25	91-20-3	
Surrogates									
2-Fluorobiphenyl (S)	0	%	39-120		400	05/20/20 06:06	05/22/20 20:25	321-60-8	S4
Terphenyl-d14 (S)	0	%	10-159		400	05/20/20 06:06	05/22/20 20:25	1718-51-0	S4
8260 MSV UST	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**1320**	ug/L	50.0	12.3	50		05/18/20 11:34	71-43-2	
Ethylbenzene	**150**	ug/L	53.1	15.9	50		05/18/20 11:34	100-41-4	
Surrogates									
Dibromofluoromethane (S)	101	%	70-130		50		05/18/20 11:34	1868-53-7	
Toluene-d8 (S)	100	%	70-130		50		05/18/20 11:34	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		50		05/18/20 11:34	460-00-4	

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ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051420027 **Lab ID: 40207767027** Collected: 05/14/20 07:45 Received: 05/14/20 14:16 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		05/26/20 11:19	74-82-8	
8270 MSSV PAH by HVI	Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
Anthracene	**<0.010**	ug/L	0.052	0.010	1	05/20/20 06:06	05/22/20 12:25	120-12-7	
Benzo(a)pyrene	**<0.010**	ug/L	0.052	0.010	1	05/20/20 06:06	05/22/20 12:25	50-32-8	
Benzo(b)fluoranthene	**<0.0057**	ug/L	0.028	0.0057	1	05/20/20 06:06	05/22/20 12:25	205-99-2	
Benzo(g,h,i)perylene	**<0.0067**	ug/L	0.034	0.0067	1	05/20/20 06:06	05/22/20 12:25	191-24-2	
Chrysene	**<0.013**	ug/L	0.065	0.013	1	05/20/20 06:06	05/22/20 12:25	218-01-9	
Fluoranthene	**<0.011**	ug/L	0.053	0.011	1	05/20/20 06:06	05/22/20 12:25	206-44-0	
Fluorene	**<0.0079**	ug/L	0.039	0.0079	1	05/20/20 06:06	05/22/20 12:25	86-73-7	
Naphthalene	**0.036J**	ug/L	0.091	0.018	1	05/20/20 06:06	05/22/20 12:25	91-20-3	
Phenanthrene	**<0.014**	ug/L	0.068	0.014	1	05/20/20 06:06	05/22/20 12:25	85-01-8	
Pyrene	**<0.0076**	ug/L	0.038	0.0076	1	05/20/20 06:06	05/22/20 12:25	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	67	%	39-120		1	05/20/20 06:06	05/22/20 12:25	321-60-8	
Terphenyl-d14 (S)	93	%	10-159		1	05/20/20 06:06	05/22/20 12:25	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		05/18/20 13:48	71-43-2	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		05/18/20 13:48	100-41-4	
Toluene	**<0.27**	ug/L	0.90	0.27	1		05/18/20 13:48	108-88-3	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/18/20 13:48	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/18/20 13:48	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/18/20 13:48	95-47-6	
Surrogates									
Dibromofluoromethane (S)	101	%	70-130		1		05/18/20 13:48	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/18/20 13:48	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		05/18/20 13:48	460-00-4	
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Sulfate	**850**	mg/L	100	22.2	50		05/27/20 13:06	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**134**	mg/L	24.8	7.4	1		05/26/20 13:33		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051420028 **Lab ID: 40207767028** Collected: 05/14/20 08:15 Received: 05/14/20 14:16 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		05/26/20 11:26	74-82-8	
8270 MSSV PAH by HVI	Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
Anthracene	**<0.011**	ug/L	0.054	0.011	1	05/20/20 06:06	05/22/20 12:43	120-12-7	
Benzo(a)pyrene	**0.038J**	ug/L	0.055	0.011	1	05/20/20 06:06	05/22/20 12:43	50-32-8	
Benzo(b)fluoranthene	**0.014J**	ug/L	0.030	0.0060	1	05/20/20 06:06	05/22/20 12:43	205-99-2	
Benzo(g,h,i)perylene	**0.010J**	ug/L	0.035	0.0071	1	05/20/20 06:06	05/22/20 12:43	191-24-2	
Chrysene	**<0.014**	ug/L	0.068	0.014	1	05/20/20 06:06	05/22/20 12:43	218-01-9	
Fluoranthene	**0.018J**	ug/L	0.056	0.011	1	05/20/20 06:06	05/22/20 12:43	206-44-0	
Fluorene	**<0.0083**	ug/L	0.042	0.0083	1	05/20/20 06:06	05/22/20 12:43	86-73-7	
Naphthalene	**<0.019**	ug/L	0.095	0.019	1	05/20/20 06:06	05/22/20 12:43	91-20-3	
Phenanthrene	**<0.014**	ug/L	0.072	0.014	1	05/20/20 06:06	05/22/20 12:43	85-01-8	
Pyrene	**0.015J**	ug/L	0.040	0.0080	1	05/20/20 06:06	05/22/20 12:43	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	67	%	39-120		1	05/20/20 06:06	05/22/20 12:43	321-60-8	
Terphenyl-d14 (S)	76	%	10-159		1	05/20/20 06:06	05/22/20 12:43	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		05/18/20 14:10	71-43-2	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		05/18/20 14:10	100-41-4	
Toluene	**<0.27**	ug/L	0.90	0.27	1		05/18/20 14:10	108-88-3	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/18/20 14:10	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/18/20 14:10	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/18/20 14:10	95-47-6	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		1		05/18/20 14:10	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/18/20 14:10	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130		1		05/18/20 14:10	460-00-4	
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Sulfate	**545**	mg/L	40.0	8.9	20		05/27/20 13:21	14808-79-8	
310.2 Alkalinity	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3	**195**	mg/L	124	37.2	5		05/26/20 13:34		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051420030 **Lab ID: 40207767029** Collected: 05/14/20 08:45 Received: 05/14/20 14:16 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		05/18/20 16:37	71-43-2	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		05/18/20 16:37	100-41-4	
Toluene	**0.49J**	ug/L	0.90	0.27	1		05/18/20 16:37	108-88-3	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/18/20 16:37	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/18/20 16:37	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/18/20 16:37	95-47-6	
Surrogates									
Dibromofluoromethane (S)	101	%	70-130		1		05/18/20 16:37	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/18/20 16:37	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		1		05/18/20 16:37	460-00-4	

Sample: 051420031 **Lab ID: 40207767030** Collected: 05/14/20 00:00 Received: 05/14/20 14:16 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		05/18/20 09:20	71-43-2	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		05/18/20 09:20	100-41-4	
Toluene	**<0.27**	ug/L	0.90	0.27	1		05/18/20 09:20	108-88-3	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/18/20 09:20	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/18/20 09:20	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/18/20 09:20	95-47-6	
Surrogates									
Dibromofluoromethane (S)	100	%	70-130		1		05/18/20 09:20	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		05/18/20 09:20	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		1		05/18/20 09:20	460-00-4	

Sample: 051420029 **Lab ID: 40207767031** Collected: 05/14/20 08:30 Received: 05/14/20 14:16 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - New Orleans								
Sulfur	**82800**	ug/L	1000	1000	10	05/20/20 09:48	05/20/20 14:56		
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - New Orleans								
Tungsten	**<0.46**	ug/L	1.0	0.46	1	05/20/20 06:55	05/26/20 18:42	7440-33-7	N2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051420029 **Lab ID: 40207767031** Collected: 05/14/20 08:30 Received: 05/14/20 14:16 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
	Pace Analytical Services - Green Bay								
Aluminum	**366J**	ug/L	500	117	2	05/25/20 18:32	05/27/20 11:13	7429-90-5	D3
Antimony	**<0.30**	ug/L	2.0	0.30	2	05/25/20 18:32	05/27/20 11:13	7440-36-0	D3
Arsenic	**2.3**	ug/L	2.0	0.56	2	05/25/20 18:32	05/27/20 11:13	7440-38-2	
Barium	**493**	ug/L	4.7	1.4	2	05/25/20 18:32	05/27/20 11:13	7440-39-3	
Beryllium	**<0.49**	ug/L	2.0	0.49	2	05/25/20 18:32	05/27/20 11:13	7440-41-7	D3
Boron	**334**	ug/L	20.0	6.1	2	05/25/20 18:32	05/27/20 11:13	7440-42-8	
Cadmium	**<0.30**	ug/L	2.0	0.30	2	05/25/20 18:32	05/27/20 11:13	7440-43-9	D3
Calcium	**288000**	ug/L	508	152	2	05/25/20 18:32	05/27/20 11:13	7440-70-2	P6
Chromium	**2.5J**	ug/L	6.8	2.0	2	05/25/20 18:32	05/27/20 11:13	7440-47-3	D3
Cobalt	**3.8**	ug/L	2.0	0.23	2	05/25/20 18:32	05/27/20 11:13	7440-48-4	
Copper	**3.7J**	ug/L	7.3	2.2	2	05/25/20 18:32	05/27/20 11:13	7440-50-8	D3
Iron	**19200**	ug/L	500	116	2	05/25/20 18:32	05/27/20 11:13	7439-89-6	
Lead	**6.2**	ug/L	2.0	0.47	2	05/25/20 18:32	05/27/20 11:13	7439-92-1	
Lithium	**73.3**	ug/L	2.0	0.44	2	05/25/20 18:32	05/27/20 11:13	7439-93-2	
Magnesium	**95400**	ug/L	500	62.4	2	05/25/20 18:32	05/27/20 11:13	7439-95-4	P6
Manganese	**4220**	ug/L	81.0	24.3	20	05/25/20 18:32	05/30/20 09:57	7439-96-5	
Molybdenum	**1.6J**	ug/L	2.9	0.88	2	05/25/20 18:32	05/27/20 11:13	7439-98-7	D3
Nickel	**9.5**	ug/L	2.0	0.57	2	05/25/20 18:32	05/27/20 11:13	7440-02-0	
Potassium	**16900**	ug/L	1580	473	2	05/25/20 18:32	05/27/20 11:13	7440-09-7	
Selenium	**0.77J**	ug/L	2.1	0.63	2	05/25/20 18:32	05/27/20 11:13	7782-49-2	D3
Silver	**<0.25**	ug/L	1.0	0.25	2	05/25/20 18:32	05/27/20 11:13	7440-22-4	D3
Sodium	**190000**	ug/L	5000	840	20	05/25/20 18:32	05/27/20 10:26	7440-23-5	
Strontium	**1760**	ug/L	3.2	0.96	2	05/25/20 18:32	05/27/20 11:13	7440-24-6	
Thallium	**<0.28**	ug/L	2.0	0.28	2	05/25/20 18:32	05/27/20 11:13	7440-28-0	D3
Tin	**<6.9**	ug/L	23.0	6.9	2	05/25/20 18:32	05/27/20 11:13	7440-31-5	D3
Titanium	**23.0J**	ug/L	52.6	15.8	20	05/25/20 18:32	05/30/20 09:57	7440-32-6	D3
Vanadium	**3.8**	ug/L	2.1	0.63	2	05/25/20 18:32	05/27/20 11:13	7440-62-2	
Zinc	**21.1J**	ug/L	68.9	20.7	2	05/25/20 18:32	05/27/20 11:13	7440-66-6	D3
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<6.7**	ug/L	25.0	6.7	25		05/18/20 08:07	630-20-6	
1,1,1-Trichloroethane	**<6.1**	ug/L	25.0	6.1	25		05/18/20 08:07	71-55-6	
1,1,2,2-Tetrachloroethane	**<6.9**	ug/L	25.0	6.9	25		05/18/20 08:07	79-34-5	
1,1,2-Trichloroethane	**<13.8**	ug/L	125	13.8	25		05/18/20 08:07	79-00-5	
1,1-Dichloroethane	**<6.8**	ug/L	25.0	6.8	25		05/18/20 08:07	75-34-3	
1,1-Dichloroethene	**<6.1**	ug/L	25.0	6.1	25		05/18/20 08:07	75-35-4	
1,1-Dichloropropene	**<13.5**	ug/L	45.0	13.5	25		05/18/20 08:07	563-58-6	
1,2,3-Trichlorobenzene	**<55.3**	ug/L	184	55.3	25		05/18/20 08:07	87-61-6	
1,2,3-Trichloropropane	**<14.8**	ug/L	125	14.8	25		05/18/20 08:07	96-18-4	
1,2,4-Trichlorobenzene	**<23.8**	ug/L	125	23.8	25		05/18/20 08:07	120-82-1	
1,2,4-Trimethylbenzene	**45.0J**	ug/L	70.0	21.0	25		05/18/20 08:07	95-63-6	
1,2-Dibromo-3-chloropropane	**<44.1**	ug/L	147	44.1	25		05/18/20 08:07	96-12-8	
1,2-Dibromoethane (EDB)	**<20.7**	ug/L	69.1	20.7	25		05/18/20 08:07	106-93-4	
1,2-Dichlorobenzene	**<17.6**	ug/L	58.8	17.6	25		05/18/20 08:07	95-50-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051420029 **Lab ID: 40207767031** Collected: 05/14/20 08:30 Received: 05/14/20 14:16 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,2-Dichloroethane	**<7.0**	ug/L	25.0	7.0	25		05/18/20 08:07	107-06-2	
1,2-Dichloropropane	**<7.1**	ug/L	25.0	7.1	25		05/18/20 08:07	78-87-5	
1,3,5-Trimethylbenzene	**<21.8**	ug/L	72.8	21.8	25		05/18/20 08:07	108-67-8	
1,3-Dichlorobenzene	**<15.7**	ug/L	52.3	15.7	25		05/18/20 08:07	541-73-1	
1,3-Dichloropropane	**<20.6**	ug/L	68.8	20.6	25		05/18/20 08:07	142-28-9	
1,4-Dichlorobenzene	**<23.6**	ug/L	78.6	23.6	25		05/18/20 08:07	106-46-7	
2,2-Dichloropropane	**<56.6**	ug/L	189	56.6	25		05/18/20 08:07	594-20-7	
2-Chlorotoluene	**<23.2**	ug/L	125	23.2	25		05/18/20 08:07	95-49-8	
4-Chlorotoluene	**<18.9**	ug/L	63.0	18.9	25		05/18/20 08:07	106-43-4	
Benzene	**245**	ug/L	25.0	6.2	25		05/18/20 08:07	71-43-2	
Bromobenzene	**<6.0**	ug/L	25.0	6.0	25		05/18/20 08:07	108-86-1	
Bromochloromethane	**<9.1**	ug/L	125	9.1	25		05/18/20 08:07	74-97-5	
Bromodichloromethane	**<9.1**	ug/L	30.3	9.1	25		05/18/20 08:07	75-27-4	
Bromoform	**<99.3**	ug/L	331	99.3	25		05/18/20 08:07	75-25-2	
Bromomethane	**<24.3**	ug/L	125	24.3	25		05/18/20 08:07	74-83-9	
Carbon tetrachloride	**<26.9**	ug/L	89.7	26.9	25		05/18/20 08:07	56-23-5	
Chlorobenzene	**<17.8**	ug/L	59.2	17.8	25		05/18/20 08:07	108-90-7	
Chloroethane	**<33.6**	ug/L	125	33.6	25		05/18/20 08:07	75-00-3	
Chloroform	**<31.8**	ug/L	125	31.8	25		05/18/20 08:07	67-66-3	
Chloromethane	**<54.7**	ug/L	182	54.7	25		05/18/20 08:07	74-87-3	
Dibromochloromethane	**<65.0**	ug/L	217	65.0	25		05/18/20 08:07	124-48-1	
Dibromomethane	**<23.4**	ug/L	78.1	23.4	25		05/18/20 08:07	74-95-3	
Dichlorodifluoromethane	**<12.5**	ug/L	125	12.5	25		05/18/20 08:07	75-71-8	
Diisopropyl ether	**<47.2**	ug/L	157	47.2	25		05/18/20 08:07	108-20-3	
Ethylbenzene	**277**	ug/L	26.6	8.0	25		05/18/20 08:07	100-41-4	
Hexachloro-1,3-butadiene	**<36.6**	ug/L	122	36.6	25		05/18/20 08:07	87-68-3	
Isopropylbenzene (Cumene)	**<42.2**	ug/L	140	42.2	25		05/18/20 08:07	98-82-8	
Methyl-tert-butyl ether	**<31.1**	ug/L	104	31.1	25		05/18/20 08:07	1634-04-4	
Methylene Chloride	**<14.5**	ug/L	125	14.5	25		05/18/20 08:07	75-09-2	
Naphthalene	**2570**	ug/L	125	29.4	25		05/18/20 08:07	91-20-3	
Styrene	**<75.2**	ug/L	251	75.2	25		05/18/20 08:07	100-42-5	
Tetrachloroethene	**<8.2**	ug/L	27.2	8.2	25		05/18/20 08:07	127-18-4	
Toluene	**96.0**	ug/L	22.4	6.7	25		05/18/20 08:07	108-88-3	
Trichloroethene	**<6.4**	ug/L	25.0	6.4	25		05/18/20 08:07	79-01-6	
Trichlorofluoromethane	**<5.4**	ug/L	25.0	5.4	25		05/18/20 08:07	75-69-4	
Vinyl chloride	**<4.4**	ug/L	25.0	4.4	25		05/18/20 08:07	75-01-4	
cis-1,2-Dichloroethene	**<6.8**	ug/L	25.0	6.8	25		05/18/20 08:07	156-59-2	L1
cis-1,3-Dichloropropene	**<90.7**	ug/L	302	90.7	25		05/18/20 08:07	10061-01-5	
m&p-Xylene	**116**	ug/L	50.0	11.6	25		05/18/20 08:07	179601-23-1	
n-Butylbenzene	**<17.7**	ug/L	59.0	17.7	25		05/18/20 08:07	104-51-8	
n-Propylbenzene	**<20.3**	ug/L	125	20.3	25		05/18/20 08:07	103-65-1	
o-Xylene	**70.7**	ug/L	25.0	6.5	25		05/18/20 08:07	95-47-6	
p-Isopropyltoluene	**<20.0**	ug/L	66.7	20.0	25		05/18/20 08:07	99-87-6	
sec-Butylbenzene	**<21.2**	ug/L	125	21.2	25		05/18/20 08:07	135-98-8	
tert-Butylbenzene	**<7.6**	ug/L	25.3	7.6	25		05/18/20 08:07	98-06-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Sample: 051420029 **Lab ID: 40207767031** Collected: 05/14/20 08:30 Received: 05/14/20 14:16 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
trans-1,2-Dichloroethene	**<11.6**	ug/L	38.7	11.6	25		05/18/20 08:07	156-60-5	
trans-1,3-Dichloropropene	**<109**	ug/L	364	109	25		05/18/20 08:07	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		25		05/18/20 08:07	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		25		05/18/20 08:07	1868-53-7	
Toluene-d8 (S)	99	%	70-130		25		05/18/20 08:07	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

QC Batch: 355028
QC Batch Method: EPA 8015B Modified
Analysis Method: EPA 8015B Modified
Analysis Description: Methane, Ethane, Ethene GCV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40207767001, 40207767002, 40207767003, 40207767004, 40207767005, 40207767006, 40207767007, 40207767008, 40207767009, 40207767010, 40207767011

METHOD BLANK: 2054112 Matrix: Water
Associated Lab Samples: 40207767001, 40207767002, 40207767003, 40207767004, 40207767005, 40207767006, 40207767007, 40207767008, 40207767009, 40207767010, 40207767011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	<0.66	2.8	05/15/20 07:53	

LABORATORY CONTROL SAMPLE & LCSD: 2054113 2054114

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Methane	ug/L	28.6	28.7	29.2	100	102	79-120	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2054115 2054116

Parameter	Units	40207604001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methane	ug/L	<0.66	28.6	28.6	25.8	26.3	90	92	10-200	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

QC Batch: 355743
QC Batch Method: EPA 8015B Modified
Analysis Method: EPA 8015B Modified
Analysis Description: Methane, Ethane, Ethene GCV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40207767012, 40207767013, 40207767014, 40207767015, 40207767016, 40207767017, 40207767018, 40207767027, 40207767028

METHOD BLANK: 2058045 Matrix: Water
Associated Lab Samples: 40207767012, 40207767013, 40207767014, 40207767015, 40207767016, 40207767017, 40207767018, 40207767027, 40207767028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	<0.66	2.8	05/26/20 07:48	

LABORATORY CONTROL SAMPLE & LCSD: 2058046 2058047

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Methane	ug/L	28.6	27.4	27.0	96	95	79-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2058048 2058049

Parameter	Units	40207767014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methane	ug/L	5270	1430	1430	18600	22400	936	1200	10-200	18	20	E,M1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

QC Batch: 355882
QC Batch Method: EPA 8015B Modified
Analysis Method: EPA 8015B Modified
Analysis Description: Methane, Ethane, Ethene GCV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40207767019

METHOD BLANK: 2058501 Matrix: Water
Associated Lab Samples: 40207767019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	<0.66	2.8	05/27/20 07:40	

LABORATORY CONTROL SAMPLE & LCSD: 2058502 2058503

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Methane	ug/L	28.6	28.0	28.0	98	98	79-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2058504 2058505

Parameter	Units	40207767019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methane	ug/L	228	28.6	28.6	531	529	1060	1050	10-200	0	20	E,M1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

QC Batch: 186065
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 40207767031

METHOD BLANK: 856455 Matrix: Water
Associated Lab Samples: 40207767031

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfur	ug/L	<100	100	05/20/20 14:28	

LABORATORY CONTROL SAMPLE: 856456

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfur	ug/L	10000	9850	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 856457 856458

Parameter	Units	20154680001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfur	ug/L	5230	10000	10000	15500	15500	103	102	80-120	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

QC Batch: 186014
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 40207767031

METHOD BLANK: 856249 Matrix: Water
Associated Lab Samples: 40207767031

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tungsten	ug/L	<0.46	1.0	05/26/20 15:17	N2

LABORATORY CONTROL SAMPLE: 856250

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tungsten	ug/L	60	61.7	103	80-120	N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 856251 856252

Parameter	Units	20154812006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Tungsten	ug/L	ND	60	60	64.8	65.6	108	109	75-125	1	20	N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 856253 856254

Parameter	Units	20154947001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Tungsten	ug/L	ND	60	60	65.3	64.6	108	107	75-125	1	20	N2

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

QC Batch: 355705
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40207767031

METHOD BLANK: 2057949 Matrix: Water
Associated Lab Samples: 40207767031

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<58.7	250	05/27/20 10:12	
Antimony	ug/L	<0.15	1.0	05/27/20 10:12	
Arsenic	ug/L	<0.28	1.0	05/27/20 10:12	
Barium	ug/L	<0.70	2.3	05/27/20 10:12	
Beryllium	ug/L	<0.25	1.0	05/27/20 10:12	
Boron	ug/L	<3.0	10.0	05/27/20 10:12	
Cadmium	ug/L	<0.15	1.0	05/27/20 10:12	
Calcium	ug/L	<76.2	254	05/27/20 10:12	
Chromium	ug/L	<1.0	3.4	05/27/20 10:12	
Cobalt	ug/L	<0.12	1.0	05/27/20 10:12	
Copper	ug/L	<1.1	3.6	05/27/20 10:12	
Iron	ug/L	<58.0	250	05/27/20 10:12	
Lead	ug/L	<0.24	1.0	05/27/20 10:12	
Lithium	ug/L	<0.22	1.0	05/27/20 10:12	
Magnesium	ug/L	<31.2	250	05/27/20 10:12	
Manganese	ug/L	<1.2	4.0	05/30/20 09:43	
Molybdenum	ug/L	<0.44	1.5	05/27/20 10:12	
Nickel	ug/L	<0.28	1.0	05/27/20 10:12	
Potassium	ug/L	<237	789	05/27/20 10:12	
Selenium	ug/L	<0.32	1.1	05/27/20 10:12	
Silver	ug/L	<0.13	0.50	05/27/20 10:12	
Sodium	ug/L	<42.0	250	05/27/20 10:12	
Strontium	ug/L	<0.48	1.6	05/27/20 10:12	
Thallium	ug/L	<0.14	1.0	05/27/20 10:12	
Tin	ug/L	<3.5	11.5	05/27/20 10:12	
Titanium	ug/L	<0.79	2.6	05/30/20 09:43	
Vanadium	ug/L	<0.32	1.0	05/27/20 10:12	
Zinc	ug/L	<10.3	34.4	05/27/20 10:12	

LABORATORY CONTROL SAMPLE: 2057950

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	4820	96	80-120	
Antimony	ug/L	500	502	100	80-120	
Arsenic	ug/L	500	486	97	80-120	
Barium	ug/L	500	472	94	80-120	
Beryllium	ug/L	500	475	95	80-120	
Boron	ug/L	500	469	94	80-120	
Cadmium	ug/L	500	501	100	80-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

LABORATORY CONTROL SAMPLE: 2057950

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	ug/L	5000	4940	99	80-120	
Chromium	ug/L	500	478	96	80-120	
Cobalt	ug/L	500	476	95	80-120	
Copper	ug/L	500	482	96	80-120	
Iron	ug/L	5000	4840	97	80-120	
Lead	ug/L	500	498	100	80-120	
Lithium	ug/L	500	465	93	80-120	
Magnesium	ug/L	5000	4960	99	80-120	
Manganese	ug/L	500	467	93	80-120	
Molybdenum	ug/L	500	502	100	80-120	
Nickel	ug/L	500	478	96	80-120	
Potassium	ug/L	5000	4820	96	80-120	
Selenium	ug/L	500	499	100	80-120	
Silver	ug/L	250	256	102	80-120	
Sodium	ug/L	5000	4850	97	80-120	
Strontium	ug/L	500	466	93	80-120	
Thallium	ug/L	500	487	97	80-120	
Tin	ug/L	500	498	100	80-120	
Titanium	ug/L	500	488	98	80-120	
Vanadium	ug/L	500	473	95	80-120	
Zinc	ug/L	500	472	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2057951 2057952

Parameter	Units	40207767031 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	366J	5000	5000	5210	5220	97	97	75-125	0	20	
Antimony	ug/L	<0.30	500	500	504	508	101	102	75-125	1	20	
Arsenic	ug/L	2.3	500	500	503	513	100	102	75-125	2	20	
Barium	ug/L	493	500	500	977	984	97	98	75-125	1	20	
Beryllium	ug/L	<0.49	500	500	470	475	94	95	75-125	1	20	
Boron	ug/L	334	500	500	814	805	96	94	75-125	1	20	
Cadmium	ug/L	<0.30	500	500	495	498	99	100	75-125	1	20	
Calcium	ug/L	288000	5000	5000	299000	298000	232	200	75-125	1	20	P6
Chromium	ug/L	2.5J	500	500	476	484	95	96	75-125	2	20	
Cobalt	ug/L	3.8	500	500	473	480	94	95	75-125	2	20	
Copper	ug/L	3.7J	500	500	468	475	93	94	75-125	1	20	
Iron	ug/L	19200	5000	5000	24400	24500	105	107	75-125	0	20	
Lead	ug/L	6.2	500	500	503	507	99	100	75-125	1	20	
Lithium	ug/L	73.3	500	500	543	543	94	94	75-125	0	20	
Magnesium	ug/L	95400	5000	5000	102000	101000	132	118	75-125	1	20	P6
Manganese	ug/L	4220	500	500	4760	4770	108	110	75-125	0	20	
Molybdenum	ug/L	1.6J	500	500	514	515	103	103	75-125	0	20	
Nickel	ug/L	9.5	500	500	475	479	93	94	75-125	1	20	
Potassium	ug/L	16900	5000	5000	22400	22300	110	107	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2057951 2057952

Parameter	Units	40207767031 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Selenium	ug/L	0.77J	500	500	510	515	102	103	75-125	1	20	
Silver	ug/L	<0.25	250	250	241	243	97	97	75-125	0	20	
Sodium	ug/L	190000	5000	5000	196000	196000	116	125	75-125	0	20	
Strontium	ug/L	1760	500	500	2280	2280	104	104	75-125	0	20	
Thallium	ug/L	<0.28	500	500	489	493	98	99	75-125	1	20	
Tin	ug/L	<6.9	500	500	472	507	94	101	75-125	7	20	
Titanium	ug/L	23.0J	500	500	517	510	99	97	75-125	1	20	
Vanadium	ug/L	3.8	500	500	482	489	96	97	75-125	1	20	
Zinc	ug/L	21.1J	500	500	496	505	95	97	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

QC Batch: 355123
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40207767001, 40207767002, 40207767003, 40207767004, 40207767005, 40207767006, 40207767007, 40207767008, 40207767009, 40207767010, 40207767011, 40207767012, 40207767013, 40207767014, 40207767015, 40207767016, 40207767017, 40207767018, 40207767019

METHOD BLANK: 2054867
Matrix: Water
Associated Lab Samples: 40207767001, 40207767002, 40207767003, 40207767004, 40207767005, 40207767006, 40207767007, 40207767008, 40207767009, 40207767010, 40207767011, 40207767012, 40207767013, 40207767014, 40207767015, 40207767016, 40207767017, 40207767018, 40207767019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	<58.7	250	05/27/20 12:01	
Antimony, Dissolved	ug/L	<0.15	1.0	05/27/20 12:01	
Copper, Dissolved	ug/L	<1.1	3.6	05/27/20 12:01	
Iron, Dissolved	ug/L	<58.0	250	05/27/20 12:01	
Manganese, Dissolved	ug/L	<1.2	4.0	05/27/20 04:03	
Nickel, Dissolved	ug/L	<0.28	1.0	05/27/20 12:01	
Silver, Dissolved	ug/L	<0.13	0.50	05/27/20 12:01	
Vanadium, Dissolved	ug/L	<0.32	1.0	05/27/20 12:01	
Zinc, Dissolved	ug/L	<10.3	34.4	05/27/20 12:01	

LABORATORY CONTROL SAMPLE: 2054868

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	5000	4910	98	80-120	
Antimony, Dissolved	ug/L	500	501	100	80-120	
Copper, Dissolved	ug/L	500	480	96	80-120	
Iron, Dissolved	ug/L	5000	4930	99	80-120	
Manganese, Dissolved	ug/L	500	484	97	80-120	
Nickel, Dissolved	ug/L	500	480	96	80-120	
Silver, Dissolved	ug/L	250	256	102	80-120	
Vanadium, Dissolved	ug/L	500	477	95	80-120	
Zinc, Dissolved	ug/L	500	482	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2054869 2054870

Parameter	Units	40207767014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum, Dissolved	ug/L	<117	5000	5000	4770	4810	95	96	75-125	1	20	
Antimony, Dissolved	ug/L	<0.30	500	500	501	510	100	102	75-125	2	20	
Copper, Dissolved	ug/L	<2.2	500	500	469	479	93	95	75-125	2	20	
Iron, Dissolved	ug/L	34800	5000	5000	38200	39700	67	96	75-125	4	20	P6
Manganese, Dissolved	ug/L	628	500	500	1100	1130	94	100	75-125	3	20	
Nickel, Dissolved	ug/L	0.62J	500	500	474	479	95	96	75-125	1	20	
Silver, Dissolved	ug/L	<0.25	250	250	242	245	97	98	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2054869 2054870

Parameter	Units	40207767014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Vanadium, Dissolved	ug/L	1.3J	500	500	481	488	96	97	75-125	1	20	
Zinc, Dissolved	ug/L	<20.7	500	500	521	489	101	95	75-125	6	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2054871 2054872

Parameter	Units	40207767019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum, Dissolved	ug/L	<117	5000	5000	4980	4850	100	97	75-125	3	20	
Antimony, Dissolved	ug/L	1.1J	500	500	518	495	103	99	75-125	4	20	
Copper, Dissolved	ug/L	<2.2	500	500	479	461	96	92	75-125	4	20	
Iron, Dissolved	ug/L	1950	5000	5000	7080	6780	103	97	75-125	4	20	
Manganese, Dissolved	ug/L	1740	500	500	2420	2250	137	102	75-125	7	20	M0
Nickel, Dissolved	ug/L	3.9	500	500	483	464	96	92	75-125	4	20	
Silver, Dissolved	ug/L	<0.25	250	250	253	243	101	97	75-125	4	20	
Vanadium, Dissolved	ug/L	0.92J	500	500	488	476	97	95	75-125	3	20	
Zinc, Dissolved	ug/L	<20.7	500	500	485	472	97	94	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

QC Batch: 355048
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40207767031

METHOD BLANK: 2054157 Matrix: Water
Associated Lab Samples: 40207767031

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	05/15/20 16:42	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	05/15/20 16:42	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	05/15/20 16:42	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	05/15/20 16:42	
1,1-Dichloroethane	ug/L	<0.27	1.0	05/15/20 16:42	
1,1-Dichloroethene	ug/L	<0.24	1.0	05/15/20 16:42	
1,1-Dichloropropene	ug/L	<0.54	1.8	05/15/20 16:42	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	05/15/20 16:42	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	05/15/20 16:42	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	05/15/20 16:42	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	05/15/20 16:42	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	05/15/20 16:42	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	05/15/20 16:42	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	05/15/20 16:42	
1,2-Dichloroethane	ug/L	<0.28	1.0	05/15/20 16:42	
1,2-Dichloropropane	ug/L	<0.28	1.0	05/15/20 16:42	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	05/15/20 16:42	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	05/15/20 16:42	
1,3-Dichloropropane	ug/L	<0.83	2.8	05/15/20 16:42	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	05/15/20 16:42	
2,2-Dichloropropane	ug/L	<2.3	7.6	05/15/20 16:42	
2-Chlorotoluene	ug/L	<0.93	5.0	05/15/20 16:42	
4-Chlorotoluene	ug/L	<0.76	2.5	05/15/20 16:42	
Benzene	ug/L	<0.25	1.0	05/15/20 16:42	
Bromobenzene	ug/L	<0.24	1.0	05/15/20 16:42	
Bromochloromethane	ug/L	<0.36	5.0	05/15/20 16:42	
Bromodichloromethane	ug/L	<0.36	1.2	05/15/20 16:42	
Bromoform	ug/L	<4.0	13.2	05/15/20 16:42	
Bromomethane	ug/L	<0.97	5.0	05/15/20 16:42	
Carbon tetrachloride	ug/L	<1.1	3.6	05/15/20 16:42	
Chlorobenzene	ug/L	<0.71	2.4	05/15/20 16:42	
Chloroethane	ug/L	<1.3	5.0	05/15/20 16:42	
Chloroform	ug/L	<1.3	5.0	05/15/20 16:42	
Chloromethane	ug/L	<2.2	7.3	05/15/20 16:42	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	05/15/20 16:42	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	05/15/20 16:42	
Dibromochloromethane	ug/L	<2.6	8.7	05/15/20 16:42	
Dibromomethane	ug/L	<0.94	3.1	05/15/20 16:42	
Dichlorodifluoromethane	ug/L	<0.50	5.0	05/15/20 16:42	
Diisopropyl ether	ug/L	<1.9	6.3	05/15/20 16:42	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

METHOD BLANK: 2054157 Matrix: Water
Associated Lab Samples: 40207767031

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	05/15/20 16:42	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	05/15/20 16:42	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	05/15/20 16:42	
m&p-Xylene	ug/L	<0.47	2.0	05/15/20 16:42	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	05/15/20 16:42	
Methylene Chloride	ug/L	<0.58	5.0	05/15/20 16:42	
n-Butylbenzene	ug/L	<0.71	2.4	05/15/20 16:42	
n-Propylbenzene	ug/L	<0.81	5.0	05/15/20 16:42	
Naphthalene	ug/L	<1.2	5.0	05/15/20 16:42	
o-Xylene	ug/L	<0.26	1.0	05/15/20 16:42	
p-Isopropyltoluene	ug/L	<0.80	2.7	05/15/20 16:42	
sec-Butylbenzene	ug/L	<0.85	5.0	05/15/20 16:42	
Styrene	ug/L	<3.0	10.0	05/15/20 16:42	
tert-Butylbenzene	ug/L	<0.30	1.0	05/15/20 16:42	
Tetrachloroethene	ug/L	<0.33	1.1	05/15/20 16:42	
Toluene	ug/L	<0.27	0.90	05/15/20 16:42	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	05/15/20 16:42	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	05/15/20 16:42	
Trichloroethene	ug/L	<0.26	1.0	05/15/20 16:42	
Trichlorofluoromethane	ug/L	<0.21	1.0	05/15/20 16:42	
Vinyl chloride	ug/L	<0.17	1.0	05/15/20 16:42	
4-Bromofluorobenzene (S)	%	90	70-130	05/15/20 16:42	
Dibromofluoromethane (S)	%	100	70-130	05/15/20 16:42	
Toluene-d8 (S)	%	96	70-130	05/15/20 16:42	

LABORATORY CONTROL SAMPLE: 2054158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.1	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	62.9	126	64-131	
1,1,2-Trichloroethane	ug/L	50	53.0	106	70-130	
1,1-Dichloroethane	ug/L	50	54.1	108	69-163	
1,1-Dichloroethene	ug/L	50	40.7	81	77-123	
1,2,4-Trichlorobenzene	ug/L	50	57.1	114	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	61.4	123	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	55.1	110	70-130	
1,2-Dichlorobenzene	ug/L	50	55.2	110	70-130	
1,2-Dichloroethane	ug/L	50	51.0	102	78-142	
1,2-Dichloropropane	ug/L	50	48.5	97	86-134	
1,3-Dichlorobenzene	ug/L	50	53.3	107	70-130	
1,4-Dichlorobenzene	ug/L	50	50.0	100	70-130	
Benzene	ug/L	50	51.3	103	70-130	
Bromodichloromethane	ug/L	50	50.2	100	70-130	
Bromoform	ug/L	50	46.2	92	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

LABORATORY CONTROL SAMPLE: 2054158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	50	33.5	67	39-129	
Carbon tetrachloride	ug/L	50	44.7	89	70-132	
Chlorobenzene	ug/L	50	51.6	103	70-130	
Chloroethane	ug/L	50	46.6	93	66-140	
Chloroform	ug/L	50	47.1	94	75-132	
Chloromethane	ug/L	50	38.4	77	32-143	
cis-1,2-Dichloroethene	ug/L	50	134	268	70-130	L1
cis-1,3-Dichloropropene	ug/L	50	46.6	93	70-130	
Dibromochloromethane	ug/L	50	47.3	95	70-130	
Dichlorodifluoromethane	ug/L	50	30.8	62	10-141	
Ethylbenzene	ug/L	50	53.6	107	80-120	
Isopropylbenzene (Cumene)	ug/L	50	52.5	105	70-130	
m&p-Xylene	ug/L	100	105	105	70-130	
Methyl-tert-butyl ether	ug/L	50	55.5	111	61-129	
Methylene Chloride	ug/L	50	53.7	107	70-130	
o-Xylene	ug/L	50	50.5	101	70-130	
Styrene	ug/L	50	46.6	93	70-130	
Tetrachloroethene	ug/L	50	52.5	105	70-130	
Toluene	ug/L	50	50.5	101	80-120	
trans-1,2-Dichloroethene	ug/L	50	54.2	108	70-130	
trans-1,3-Dichloropropene	ug/L	50	43.3	87	69-130	
Trichloroethene	ug/L	50	50.2	100	70-130	
Trichlorofluoromethane	ug/L	50	55.0	110	75-145	
Vinyl chloride	ug/L	50	44.8	90	51-140	
4-Bromofluorobenzene (S)	%			97	70-130	
Dibromofluoromethane (S)	%			98	70-130	
Toluene-d8 (S)	%			94	70-130	

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

QC Batch: 355047
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV UST-WATER
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40207767005, 40207767006, 40207767007, 40207767008, 40207767009, 40207767010, 40207767011, 40207767012, 40207767013, 40207767014

METHOD BLANK: 2054155 Matrix: Water
Associated Lab Samples: 40207767005, 40207767006, 40207767007, 40207767008, 40207767009, 40207767010, 40207767011, 40207767012, 40207767013, 40207767014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.25	1.0	05/15/20 16:42	
Ethylbenzene	ug/L	<0.32	1.1	05/15/20 16:42	
m&p-Xylene	ug/L	<0.47	2.0	05/15/20 16:42	
o-Xylene	ug/L	<0.26	1.0	05/15/20 16:42	
Toluene	ug/L	<0.27	0.90	05/15/20 16:42	
Xylene (Total)	ug/L	<1.5	3.0	05/15/20 16:42	
4-Bromofluorobenzene (S)	%	90	70-130	05/15/20 16:42	
Dibromofluoromethane (S)	%	100	70-130	05/15/20 16:42	
Toluene-d8 (S)	%	96	70-130	05/15/20 16:42	

LABORATORY CONTROL SAMPLE: 2054156

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	51.3	103	70-130	
Ethylbenzene	ug/L	50	53.6	107	80-120	
m&p-Xylene	ug/L	100	105	105	70-130	
o-Xylene	ug/L	50	50.5	101	70-130	
Toluene	ug/L	50	50.5	101	80-120	
Xylene (Total)	ug/L	150	155	104	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Dibromofluoromethane (S)	%			98	70-130	
Toluene-d8 (S)	%			94	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2054171 2054172

Parameter	Units	40207767014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	52.2	200	200	260	262	104	105	70-136	0	20	
Ethylbenzene	ug/L	55.9	200	200	283	285	114	115	80-120	1	20	
m&p-Xylene	ug/L	11.2	400	400	437	440	106	107	70-130	1	20	
o-Xylene	ug/L	36.0	200	200	250	251	107	107	70-130	0	20	
Toluene	ug/L	3.8	200	200	206	206	101	101	80-120	0	20	
Xylene (Total)	ug/L	47.2	600	600	687	691	107	107	70-130	1	20	
4-Bromofluorobenzene (S)	%						99	97	70-130			
Dibromofluoromethane (S)	%						98	101	70-130			
Toluene-d8 (S)	%						96	94	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

QC Batch: 355049
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV UST-WATER
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40207767001, 40207767002, 40207767003, 40207767004, 40207767015, 40207767016, 40207767017, 40207767018, 40207767019, 40207767020, 40207767021, 40207767022, 40207767023, 40207767024, 40207767025, 40207767026, 40207767027, 40207767028, 40207767029, 40207767030

METHOD BLANK: 2054159 Matrix: Water
Associated Lab Samples: 40207767001, 40207767002, 40207767003, 40207767004, 40207767015, 40207767016, 40207767017, 40207767018, 40207767019, 40207767020, 40207767021, 40207767022, 40207767023, 40207767024, 40207767025, 40207767026, 40207767027, 40207767028, 40207767029, 40207767030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.25	1.0	05/18/20 06:45	
Ethylbenzene	ug/L	<0.32	1.1	05/18/20 06:45	
m&p-Xylene	ug/L	<0.47	2.0	05/18/20 06:45	
o-Xylene	ug/L	<0.26	1.0	05/18/20 06:45	
Toluene	ug/L	<0.27	0.90	05/18/20 06:45	
Xylene (Total)	ug/L	<1.5	3.0	05/18/20 06:45	
4-Bromofluorobenzene (S)	%	95	70-130	05/18/20 06:45	
Dibromofluoromethane (S)	%	94	70-130	05/18/20 06:45	
Toluene-d8 (S)	%	98	70-130	05/18/20 06:45	

LABORATORY CONTROL SAMPLE: 2054160

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	49.0	98	70-130	
Ethylbenzene	ug/L	50	55.5	111	80-120	
m&p-Xylene	ug/L	100	112	112	70-130	
o-Xylene	ug/L	50	54.6	109	70-130	
Toluene	ug/L	50	52.8	106	80-120	
Xylene (Total)	ug/L	150	167	111	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			95	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2054161 2054162

Parameter	Units	40207767019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	76.2	50	50	125	131	98	109	70-136	4	20	
Ethylbenzene	ug/L	7.9	50	50	62.6	66.0	109	116	80-120	5	20	
m&p-Xylene	ug/L	7.6	100	100	115	123	107	115	70-130	7	20	
o-Xylene	ug/L	6.6	50	50	61.6	64.4	110	116	70-130	5	20	
Toluene	ug/L	13.3	50	50	64.8	67.9	103	109	80-120	5	20	
Xylene (Total)	ug/L	14.3	150	150	177	187	108	115	70-130	6	20	
4-Bromofluorobenzene (S)	%						101	100	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2054161 2054162

Parameter	Units	40207767019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dibromofluoromethane (S)	%						99	102	70-130			
Toluene-d8 (S)	%						99	99	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

QC Batch: 355110
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by HVI
Analysis Description: 8270 Water PAH by HVI
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40207767014

METHOD BLANK: 2054670 Matrix: Water
Associated Lab Samples: 40207767014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Anthracene	ug/L	<0.010	0.052	05/18/20 12:23	
Benzo(a)pyrene	ug/L	<0.011	0.053	05/18/20 12:23	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	05/18/20 12:23	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	05/18/20 12:23	
Chrysene	ug/L	<0.013	0.065	05/18/20 12:23	
Fluoranthene	ug/L	<0.011	0.053	05/18/20 12:23	
Fluorene	ug/L	<0.0080	0.040	05/18/20 12:23	
Naphthalene	ug/L	<0.018	0.092	05/18/20 12:23	
Phenanthrene	ug/L	<0.014	0.069	05/18/20 12:23	
Pyrene	ug/L	<0.0076	0.038	05/18/20 12:23	
2-Fluorobiphenyl (S)	%	62	39-120	05/18/20 12:23	
Terphenyl-d14 (S)	%	101	10-159	05/18/20 12:23	

LABORATORY CONTROL SAMPLE: 2054671

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	ug/L	2	1.4	71	57-110	
Benzo(a)pyrene	ug/L	2	1.7	83	70-120	
Benzo(b)fluoranthene	ug/L	2	1.5	73	54-97	
Benzo(g,h,i)perylene	ug/L	2	1.1	56	26-74	
Chrysene	ug/L	2	1.8	88	75-151	
Fluoranthene	ug/L	2	1.6	78	63-120	
Fluorene	ug/L	2	1.4	70	53-120	
Naphthalene	ug/L	2	1.0	50	41-120	
Phenanthrene	ug/L	2	1.4	68	47-100	
Pyrene	ug/L	2	1.5	77	70-128	
2-Fluorobiphenyl (S)	%			56	39-120	
Terphenyl-d14 (S)	%			85	10-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2054672 2054673

Parameter	Units	40207767014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Anthracene	ug/L	4.2	2	2	4.4	4.6	13	21	16-114	3	36	M6
Benzo(a)pyrene	ug/L	<0.53	2	2	0.64J	0.56J	32	28	10-120		37	
Benzo(b)fluoranthene	ug/L	<0.29	2	2	0.79J	0.67J	39	34	10-97		36	
Benzo(g,h,i)perylene	ug/L	<0.34	2	2	0.35J	0.34J	17	17	10-74		45	

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QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2054672 2054673

Parameter	Units	40207767014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chrysene	ug/L	<0.65	2	2	1.5J	1.2J	72	62	10-161		30	
Fluoranthene	ug/L	2.5J	2	2	3.7	3.5	61	55	35-120	4	33	
Fluorene	ug/L	24.7	2	2	24.9	24.2	11	-25	17-120	3	33	M6
Naphthalene	ug/L	382	2	2	388	359	311	-1140	24-120	8	30	M6
Phenanthrene	ug/L	21.5	2	2	24.1	21.7	131	13	15-100	10	30	M6
Pyrene	ug/L	2.2	2	2	3.5	3.2	66	53	14-137	9	31	
2-Fluorobiphenyl (S)	%						0	0	39-120			S4
Terphenyl-d14 (S)	%						0	0	10-159			S4

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

QC Batch: 355111
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by HVI
Analysis Description: 8270 Water PAH by HVI
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40207767001

METHOD BLANK: 2054674 Matrix: Water
Associated Lab Samples: 40207767001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Anthracene	ug/L	<0.010	0.052	05/18/20 12:40	
Benzo(a)pyrene	ug/L	<0.011	0.053	05/18/20 12:40	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	05/18/20 12:40	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	05/18/20 12:40	
Chrysene	ug/L	<0.013	0.065	05/18/20 12:40	
Fluoranthene	ug/L	<0.011	0.053	05/18/20 12:40	
Fluorene	ug/L	<0.0080	0.040	05/18/20 12:40	
Naphthalene	ug/L	<0.018	0.092	05/18/20 12:40	
Phenanthrene	ug/L	<0.014	0.069	05/18/20 12:40	
Pyrene	ug/L	<0.0076	0.038	05/18/20 12:40	
2-Fluorobiphenyl (S)	%	66	39-120	05/18/20 12:40	
Terphenyl-d14 (S)	%	111	10-159	05/18/20 12:40	

LABORATORY CONTROL SAMPLE: 2054675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	ug/L	2	1.7	86	57-110	
Benzo(a)pyrene	ug/L	2	2.1	104	70-120	
Benzo(b)fluoranthene	ug/L	2	1.8	90	54-97	
Benzo(g,h,i)perylene	ug/L	2	1.3	67	26-74	
Chrysene	ug/L	2	2.2	110	75-151	
Fluoranthene	ug/L	2	2.0	98	63-120	
Fluorene	ug/L	2	1.6	81	53-120	
Naphthalene	ug/L	2	1.4	69	41-120	
Phenanthrene	ug/L	2	1.6	82	47-100	
Pyrene	ug/L	2	1.8	90	70-128	
2-Fluorobiphenyl (S)	%			69	39-120	
Terphenyl-d14 (S)	%			107	10-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2054676 2054677

Parameter	Units	40207811003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Anthracene	ug/L	<0.011	1.9	1.9	1.4	1.4	70	70	16-114	1	36	
Benzo(a)pyrene	ug/L	<0.011	1.9	1.9	1.3	1.4	67	70	10-120	5	37	
Benzo(b)fluoranthene	ug/L	<0.0060	1.9	1.9	1.2	1.3	63	69	10-97	10	36	
Benzo(g,h,i)perylene	ug/L	<0.0071	1.9	1.9	0.63	0.66	33	34	10-74	4	45	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2054676 2054677

Parameter	Units	40207811003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chrysene	ug/L	<0.014	1.9	1.9	1.7	1.8	86	91	10-161	5	30	
Fluoranthene	ug/L	<0.011	1.9	1.9	1.5	1.5	76	80	35-120	5	33	
Fluorene	ug/L	<0.0084	1.9	1.9	1.4	1.3	71	66	17-120	7	33	
Naphthalene	ug/L	0.020J	1.9	1.9	1.1	1.2	54	59	24-120	9	30	
Phenanthrene	ug/L	<0.015	1.9	1.9	1.3	1.3	69	69	15-100	0	30	
Pyrene	ug/L	<0.0081	1.9	1.9	1.5	1.5	77	80	14-137	3	31	
2-Fluorobiphenyl (S)	%						62	64	39-120			
Terphenyl-d14 (S)	%						86	89	10-159			

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QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

QC Batch: 355193
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by HVI
Analysis Description: 8270 Water PAH by HVI
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40207767002, 40207767003, 40207767004, 40207767005, 40207767006, 40207767007, 40207767008, 40207767009, 40207767010, 40207767011, 40207767012, 40207767019

METHOD BLANK: 2055091 Matrix: Water
Associated Lab Samples: 40207767002, 40207767003, 40207767004, 40207767005, 40207767006, 40207767007, 40207767008, 40207767009, 40207767010, 40207767011, 40207767012, 40207767019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Anthracene	ug/L	<0.010	0.052	05/19/20 12:15	
Benzo(a)pyrene	ug/L	<0.011	0.053	05/19/20 12:15	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	05/19/20 12:15	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	05/19/20 12:15	
Chrysene	ug/L	<0.013	0.065	05/19/20 12:15	
Fluoranthene	ug/L	<0.011	0.053	05/19/20 12:15	
Fluorene	ug/L	<0.0080	0.040	05/19/20 12:15	
Naphthalene	ug/L	<0.018	0.092	05/19/20 12:15	
Phenanthrene	ug/L	<0.014	0.069	05/19/20 12:15	
Pyrene	ug/L	<0.0076	0.038	05/19/20 12:15	
2-Fluorobiphenyl (S)	%	80	39-120	05/19/20 12:15	
Terphenyl-d14 (S)	%	112	10-159	05/19/20 12:15	

LABORATORY CONTROL SAMPLE: 2055092

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	ug/L	2	1.6	82	57-110	
Benzo(a)pyrene	ug/L	2	1.8	92	70-120	
Benzo(b)fluoranthene	ug/L	2	1.7	83	54-97	
Benzo(g,h,i)perylene	ug/L	2	1.2	60	26-74	
Chrysene	ug/L	2	1.9	97	75-151	
Fluoranthene	ug/L	2	1.9	96	63-120	
Fluorene	ug/L	2	1.6	79	53-120	
Naphthalene	ug/L	2	1.3	64	41-120	
Phenanthrene	ug/L	2	1.6	78	47-100	
Pyrene	ug/L	2	1.7	86	70-128	
2-Fluorobiphenyl (S)	%			67	39-120	
Terphenyl-d14 (S)	%			99	10-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2055093 2055094

Parameter	Units	40207767019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Anthracene	ug/L	0.18	2.1	2.2	1.6	2.0	70	83	16-114	20	36	
Benzo(a)pyrene	ug/L	<0.033	2.1	2.2	0.88	1.1	42	48	10-120	18	37	
Benzo(b)fluoranthene	ug/L	0.019J	2.1	2.2	0.93	1.2	44	54	10-97	25	36	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2055093 2055094

Parameter	Units	40207767019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzo(g,h,i)perylene	ug/L	0.034J	2.1	2.2	0.43	0.53	19	23	10-74	21	45	
Chrysene	ug/L	<0.041	2.1	2.2	1.5	1.7	72	78	10-161	13	30	
Fluoranthene	ug/L	0.072J	2.1	2.2	1.4	1.8	65	78	35-120	21	33	
Fluorene	ug/L	0.48	2.1	2.2	1.9	2.1	69	76	17-120	11	33	
Naphthalene	ug/L	26.6	2.1	2.2	34.8	38.7	392	556	24-120	11	30	M1
Phenanthrene	ug/L	0.26	2.1	2.2	1.8	2.4	73	101	15-100	31	30	M1,R1
Pyrene	ug/L	<0.024	2.1	2.2	1.7	2.0	79	94	14-137	21	31	
2-Fluorobiphenyl (S)	%						60	68	39-120			
Terphenyl-d14 (S)	%						81	81	10-159			

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QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

QC Batch: 355292
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by HVI
Analysis Description: 8270 Water PAH by HVI
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40207767013, 40207767015, 40207767016, 40207767017, 40207767018, 40207767020, 40207767021, 40207767022

METHOD BLANK: 2055445 Matrix: Water
Associated Lab Samples: 40207767013, 40207767015, 40207767016, 40207767017, 40207767018, 40207767020, 40207767021, 40207767022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Anthracene	ug/L	<0.010	0.052	05/20/20 12:03	
Benzo(a)pyrene	ug/L	<0.011	0.053	05/20/20 12:03	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	05/20/20 12:03	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	05/20/20 12:03	
Chrysene	ug/L	<0.013	0.065	05/20/20 12:03	
Fluoranthene	ug/L	<0.011	0.053	05/20/20 12:03	
Fluorene	ug/L	<0.0080	0.040	05/20/20 12:03	
Naphthalene	ug/L	<0.018	0.092	05/20/20 12:03	
Phenanthrene	ug/L	<0.014	0.069	05/20/20 12:03	
Pyrene	ug/L	<0.0076	0.038	05/20/20 12:03	
2-Fluorobiphenyl (S)	%	77	39-120	05/20/20 12:03	
Terphenyl-d14 (S)	%	101	10-159	05/20/20 12:03	

LABORATORY CONTROL SAMPLE & LCSD: 2055446 2055447

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Anthracene	ug/L	2	1.7	1.8	85	88	57-110	3	28	
Benzo(a)pyrene	ug/L	2	1.9	1.8	94	92	70-120	2	20	
Benzo(b)fluoranthene	ug/L	2	1.8	1.8	89	89	54-97	0	21	
Benzo(g,h,i)perylene	ug/L	2	0.92	1.2	46	58	26-74	24	42	
Chrysene	ug/L	2	2.1	2.1	106	107	75-151	1	20	
Fluoranthene	ug/L	2	1.9	1.9	94	95	63-120	1	20	
Fluorene	ug/L	2	1.7	1.6	84	81	53-120	4	26	
Naphthalene	ug/L	2	1.4	1.5	68	75	41-120	9	24	
Phenanthrene	ug/L	2	1.7	1.8	84	88	47-100	5	22	
Pyrene	ug/L	2	1.8	1.8	89	90	70-128	1	20	
2-Fluorobiphenyl (S)	%				78	86	39-120			
Terphenyl-d14 (S)	%				107	106	10-159			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

QC Batch: 355425
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by HVI
Analysis Description: 8270 Water PAH by HVI
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40207767024, 40207767025, 40207767026, 40207767027, 40207767028

METHOD BLANK: 2055989 Matrix: Water
Associated Lab Samples: 40207767024, 40207767025, 40207767026, 40207767027, 40207767028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Anthracene	ug/L	<0.010	0.052	05/20/20 12:21	
Benzo(a)pyrene	ug/L	<0.011	0.053	05/20/20 12:21	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	05/20/20 12:21	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	05/20/20 12:21	
Chrysene	ug/L	<0.013	0.065	05/20/20 12:21	
Fluoranthene	ug/L	<0.011	0.053	05/20/20 12:21	
Fluorene	ug/L	<0.0080	0.040	05/20/20 12:21	
Naphthalene	ug/L	<0.018	0.092	05/20/20 12:21	
Phenanthrene	ug/L	<0.014	0.069	05/20/20 12:21	
Pyrene	ug/L	<0.0076	0.038	05/20/20 12:21	
2-Fluorobiphenyl (S)	%	82	39-120	05/20/20 12:21	
Terphenyl-d14 (S)	%	115	10-159	05/20/20 12:21	

LABORATORY CONTROL SAMPLE: 2055990

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	ug/L	2	1.7	85	57-110	
Benzo(a)pyrene	ug/L	2	1.9	96	70-120	
Benzo(b)fluoranthene	ug/L	2	1.8	89	54-97	
Benzo(g,h,i)perylene	ug/L	2	1.1	53	26-74	
Chrysene	ug/L	2	2.1	107	75-151	
Fluoranthene	ug/L	2	1.8	90	63-120	
Fluorene	ug/L	2	1.7	83	53-120	
Naphthalene	ug/L	2	1.4	71	41-120	
Phenanthrene	ug/L	2	1.7	83	47-100	
Pyrene	ug/L	2	1.9	94	70-128	
2-Fluorobiphenyl (S)	%			75	39-120	
Terphenyl-d14 (S)	%			117	10-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2055991 2055992

Parameter	Units	40207997001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Anthracene	ug/L	<0.011	1.9	2.2	1.4	1.6	74	75	16-114	16	36	
Benzo(a)pyrene	ug/L	<0.011	1.9	2.2	1.3	1.5	70	68	10-120	11	37	
Benzo(b)fluoranthene	ug/L	<0.0062	1.9	2.2	1.3	1.6	68	75	10-97	25	36	
Benzo(g,h,i)perylene	ug/L	<0.0073	1.9	2.2	0.57	0.73	30	34	10-74	25	45	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2055991 2055992

Parameter	Units	40207997001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chrysene	ug/L	<0.014	1.9	2.2	1.6	2.0	87	94	10-161	23	30	
Fluoranthene	ug/L	<0.011	1.9	2.2	1.4	1.8	78	82	35-120	21	33	
Fluorene	ug/L	<0.0086	1.9	2.2	1.5	1.7	83	81	17-120	13	33	
Naphthalene	ug/L	<0.020	1.9	2.2	1.3	1.5	71	68	24-120	11	30	
Phenanthrene	ug/L	<0.015	1.9	2.2	1.4	1.6	73	76	15-100	18	30	
Pyrene	ug/L	<0.0082	1.9	2.2	1.5	1.8	84	84	14-137	15	31	
2-Fluorobiphenyl (S)	%						73	76	39-120			
Terphenyl-d14 (S)	%						94	95	10-159			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

QC Batch: 355224
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40207767001, 40207767002, 40207767003, 40207767004, 40207767005, 40207767006, 40207767007, 40207767008, 40207767009, 40207767010, 40207767011, 40207767012, 40207767013, 40207767014, 40207767015

METHOD BLANK: 2055213 Matrix: Water
Associated Lab Samples: 40207767001, 40207767002, 40207767003, 40207767004, 40207767005, 40207767006, 40207767007, 40207767008, 40207767009, 40207767010, 40207767011, 40207767012, 40207767013, 40207767014, 40207767015

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

LABORATORY CONTROL SAMPLE: 2055214

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	18.1	91	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2055215 2055216

Parameter	Units	40207911001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	124	200	200	352	364	114	120	90-110	4	15	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2055217 2055218

Parameter	Units	40207767014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	<2.2	100	100	107	107	105	105	90-110	0	15	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

QC Batch: 355367
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40207767016, 40207767017, 40207767018, 40207767019, 40207767027, 40207767028

METHOD BLANK: 2055821 Matrix: Water
Associated Lab Samples: 40207767016, 40207767017, 40207767018, 40207767019, 40207767027, 40207767028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	05/22/20 11:57	

LABORATORY CONTROL SAMPLE: 2055822

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	19.3	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2055823 2055824

Parameter	Units	40207767019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	27.9	20	20	51.4	51.3	117	117	90-110	0	15	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2055825 2055826

Parameter	Units	40207830003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	39.0	100	100	147	149	108	110	90-110	1	15	

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QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

QC Batch: 355759
QC Batch Method: EPA 310.2
Analysis Method: EPA 310.2
Analysis Description: 310.2 Alkalinity
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40207767001, 40207767002, 40207767003, 40207767004, 40207767005

METHOD BLANK: 2058102 Matrix: Water
Associated Lab Samples: 40207767001, 40207767002, 40207767003, 40207767004, 40207767005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<7.4	24.8	05/26/20 12:24	

LABORATORY CONTROL SAMPLE: 2058103

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2058104 2058105

Parameter	Units	40207602011 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	340	200	200	523	519	91	90	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2058106 2058107

Parameter	Units	40207767005 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	<7.4	100	100	106	105	105	104	90-110	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

QC Batch: 355760
QC Batch Method: EPA 310.2
Analysis Method: EPA 310.2
Analysis Description: 310.2 Alkalinity
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40207767006, 40207767007, 40207767008, 40207767009, 40207767010, 40207767011, 40207767012, 40207767013, 40207767014, 40207767015, 40207767016, 40207767017, 40207767018, 40207767019, 40207767027, 40207767028

METHOD BLANK: 2058108 Matrix: Water
Associated Lab Samples: 40207767006, 40207767007, 40207767008, 40207767009, 40207767010, 40207767011, 40207767012, 40207767013, 40207767014, 40207767015, 40207767016, 40207767017, 40207767018, 40207767019, 40207767027, 40207767028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<7.4	24.8	05/26/20 13:02	

LABORATORY CONTROL SAMPLE: 2058109

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2058110 2058111

Parameter	Units	40207767014 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	683	500	500	1200	1190	103	101	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2058112 2058113

Parameter	Units	40207767019 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	323	500	500	848	840	105	103	90-110	1	20	

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QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

QC Batch: 355525
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, preserved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40207767001, 40207767002, 40207767003, 40207767004, 40207767005, 40207767006, 40207767007, 40207767008, 40207767009, 40207767010, 40207767011, 40207767012, 40207767013, 40207767014

METHOD BLANK: 2056488 Matrix: Water
Associated Lab Samples: 40207767001, 40207767002, 40207767003, 40207767004, 40207767005, 40207767006, 40207767007, 40207767008, 40207767009, 40207767010, 40207767011, 40207767012, 40207767013, 40207767014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.059	0.25	05/21/20 10:52	

LABORATORY CONTROL SAMPLE: 2056489

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2056490 2056491

Parameter	Units	40207604001 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	4.4	2.5	2.5	6.8	6.8	98	98	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2056492 2056493

Parameter	Units	40207767014 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	1.8	1.8	73	74	90-110	0	20	M0

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

QC Batch: 355527
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, preserved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40207767015, 40207767016, 40207767017, 40207767018, 40207767019

METHOD BLANK: 2056494 Matrix: Water
Associated Lab Samples: 40207767015, 40207767016, 40207767017, 40207767018, 40207767019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.059	0.25	05/21/20 11:15	

LABORATORY CONTROL SAMPLE: 2056495

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2056496 2056497

Parameter	Units	40207767019 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	97	97	90-110	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

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.

BATCH QUALIFIERS

Batch: 355357

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

ANALYTE QUALIFIERS

1q	This sample could not be re-extracted within hold time.
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.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
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.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.
S0	Surrogate recovery outside laboratory 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: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40207767001	051220001	EPA 8015B Modified	355028		
40207767002	051220002	EPA 8015B Modified	355028		
40207767003	051220003	EPA 8015B Modified	355028		
40207767004	051220004	EPA 8015B Modified	355028		
40207767005	051220005	EPA 8015B Modified	355028		
40207767006	051320006	EPA 8015B Modified	355028		
40207767007	051320007	EPA 8015B Modified	355028		
40207767008	051320008	EPA 8015B Modified	355028		
40207767009	051320009	EPA 8015B Modified	355028		
40207767010	051320010	EPA 8015B Modified	355028		
40207767011	051320011	EPA 8015B Modified	355028		
40207767012	051320012	EPA 8015B Modified	355743		
[redacted]	[redacted]	[redacted]	[redacted]		
40207767014	051320014	EPA 8015B Modified	355743		
40207767015	051320015	EPA 8015B Modified	355743		
40207767016	051320016	EPA 8015B Modified	355743		
40207767017	051320017	EPA 8015B Modified	355743		
40207767018	051320018	EPA 8015B Modified	355743		
40207767019	051320019	EPA 8015B Modified	355882		
40207767027	051420027	EPA 8015B Modified	355743		
40207767028	051420028	EPA 8015B Modified	355743		
40207767031	051420029	EPA 3010	186065	EPA 6010	186143
40207767031	051420029	EPA 3010	186014	EPA 6020	186100
40207767031	051420029	EPA 3010	355705	EPA 6020	355741
40207767001	051220001	EPA 3010	355123	EPA 6020	355160
40207767002	051220002	EPA 3010	355123	EPA 6020	355160
40207767003	051220003	EPA 3010	355123	EPA 6020	355160
40207767004	051220004	EPA 3010	355123	EPA 6020	355160
40207767005	051220005	EPA 3010	355123	EPA 6020	355160
40207767006	051320006	EPA 3010	355123	EPA 6020	355160
40207767007	051320007	EPA 3010	355123	EPA 6020	355160
40207767008	051320008	EPA 3010	355123	EPA 6020	355160
40207767009	051320009	EPA 3010	355123	EPA 6020	355160
40207767010	051320010	EPA 3010	355123	EPA 6020	355160
40207767011	051320011	EPA 3010	355123	EPA 6020	355160
40207767012	051320012	EPA 3010	355123	EPA 6020	355160
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
40207767014	051320014	EPA 3010	355123	EPA 6020	355160
40207767015	051320015	EPA 3010	355123	EPA 6020	355160
40207767016	051320016	EPA 3010	355123	EPA 6020	355160
40207767017	051320017	EPA 3010	355123	EPA 6020	355160
40207767018	051320018	EPA 3010	355123	EPA 6020	355160
40207767019	051320019	EPA 3010	355123	EPA 6020	355160
40207767001	051220001	EPA 3510	355111	EPA 8270 by HVI	355117

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40207767002	051220002	EPA 3510	355193	EPA 8270 by HVI	355239
40207767003	051220003	EPA 3510	355193	EPA 8270 by HVI	355239
40207767004	051220004	EPA 3510	355193	EPA 8270 by HVI	355239
40207767005	051220005	EPA 3510	355193	EPA 8270 by HVI	355239
40207767006	051320006	EPA 3510	355193	EPA 8270 by HVI	355239
40207767007	051320007	EPA 3510	355193	EPA 8270 by HVI	355239
40207767008	051320008	EPA 3510	355193	EPA 8270 by HVI	355239
40207767009	051320009	EPA 3510	355193	EPA 8270 by HVI	355239
40207767010	051320010	EPA 3510	355193	EPA 8270 by HVI	355239
40207767011	051320011	EPA 3510	355193	EPA 8270 by HVI	355239
40207767012	051320012	EPA 3510	355193	EPA 8270 by HVI	355239
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
40207767014	051320014	EPA 3510	355110	EPA 8270 by HVI	355115
40207767015	051320015	EPA 3510	355292	EPA 8270 by HVI	355357
40207767016	051320016	EPA 3510	355292	EPA 8270 by HVI	355357
40207767017	051320017	EPA 3510	355292	EPA 8270 by HVI	355357
40207767018	051320018	EPA 3510	355292	EPA 8270 by HVI	355357
40207767019	051320019	EPA 3510	355193	EPA 8270 by HVI	355239
40207767020	051320020	EPA 3510	355292	EPA 8270 by HVI	355357
40207767021	051320021	EPA 3510	355292	EPA 8270 by HVI	355357
40207767022	051320022	EPA 3510	355292	EPA 8270 by HVI	355357
40207767024	051420024	EPA 3510	355425	EPA 8270 by HVI	355451
40207767025	051420025	EPA 3510	355425	EPA 8270 by HVI	355451
40207767026	051420026	EPA 3510	355425	EPA 8270 by HVI	355451
40207767027	051420027	EPA 3510	355425	EPA 8270 by HVI	355451
40207767028	051420028	EPA 3510	355425	EPA 8270 by HVI	355451
40207767031	051420029	EPA 8260	355048		
40207767001	051220001	EPA 8260	355049		
40207767002	051220002	EPA 8260	355049		
40207767003	051220003	EPA 8260	355049		
40207767004	051220004	EPA 8260	355049		
40207767005	051220005	EPA 8260	355047		
40207767006	051320006	EPA 8260	355047		
40207767007	051320007	EPA 8260	355047		
40207767008	051320008	EPA 8260	355047		
40207767009	051320009	EPA 8260	355047		
40207767010	051320010	EPA 8260	355047		
40207767011	051320011	EPA 8260	355047		
40207767012	051320012	EPA 8260	355047		
[redacted]	[redacted]	[redacted]	[redacted]		
40207767014	051320014	EPA 8260	355047		
40207767015	051320015	EPA 8260	355049		
40207767016	051320016	EPA 8260	355049		
40207767017	051320017	EPA 8260	355049		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40207767018	051320018	EPA 8260	355049		
40207767019	051320019	EPA 8260	355049		
40207767020	051320020	EPA 8260	355049		
40207767021	051320021	EPA 8260	355049		
40207767022	051320022	EPA 8260	355049		
40207767023	051320023	EPA 8260	355049		
40207767024	051420024	EPA 8260	355049		
40207767025	051420025	EPA 8260	355049		
40207767026	051420026	EPA 8260	355049		
40207767027	051420027	EPA 8260	355049		
40207767028	051420028	EPA 8260	355049		
40207767029	051420030	EPA 8260	355049		
40207767030	051420031	EPA 8260	355049		
40207767001	051220001	EPA 300.0	355224		
40207767002	051220002	EPA 300.0	355224		
40207767003	051220003	EPA 300.0	355224		
40207767004	051220004	EPA 300.0	355224		
40207767005	051220005	EPA 300.0	355224		
40207767006	051320006	EPA 300.0	355224		
40207767007	051320007	EPA 300.0	355224		
40207767008	051320008	EPA 300.0	355224		
40207767009	051320009	EPA 300.0	355224		
40207767010	051320010	EPA 300.0	355224		
40207767011	051320011	EPA 300.0	355224		
40207767012	051320012	EPA 300.0	355224		
[redacted]	[redacted]	[redacted]	[redacted]		
40207767014	051320014	EPA 300.0	355224		
40207767015	051320015	EPA 300.0	355224		
40207767016	051320016	EPA 300.0	355367		
40207767017	051320017	EPA 300.0	355367		
40207767018	051320018	EPA 300.0	355367		
40207767019	051320019	EPA 300.0	355367		
40207767027	051420027	EPA 300.0	355367		
40207767028	051420028	EPA 300.0	355367		
40207767001	051220001	EPA 310.2	355759		
40207767002	051220002	EPA 310.2	355759		
40207767003	051220003	EPA 310.2	355759		
40207767004	051220004	EPA 310.2	355759		
40207767005	051220005	EPA 310.2	355759		
40207767006	051320006	EPA 310.2	355760		
40207767007	051320007	EPA 310.2	355760		
40207767008	051320008	EPA 310.2	355760		
40207767009	051320009	EPA 310.2	355760		
40207767010	051320010	EPA 310.2	355760		
40207767011	051320011	EPA 310.2	355760		
40207767012	051320012	EPA 310.2	355760		
[redacted]	[redacted]	[redacted]	[redacted]		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 73068/102 MARINETTE FORMER MGP
Pace Project No.: 40207767

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40207767014	**051320014**	EPA 310.2	355760		
40207767015	**051320015**	EPA 310.2	355760		
40207767016	**051320016**	EPA 310.2	355760		
40207767017	**051320017**	EPA 310.2	355760		
40207767018	**051320018**	EPA 310.2	355760		
40207767019	**051320019**	EPA 310.2	355760		
40207767027	**051420027**	EPA 310.2	355760		
40207767028	**051420028**	EPA 310.2	355760		
40207767001	**051220001**	EPA 353.2	355525		
40207767002	**051220002**	EPA 353.2	355525		
40207767003	**051220003**	EPA 353.2	355525		
40207767004	**051220004**	EPA 353.2	355525		
40207767005	**051220005**	EPA 353.2	355525		
40207767006	**051320006**	EPA 353.2	355525		
40207767007	**051320007**	EPA 353.2	355525		
40207767008	**051320008**	EPA 353.2	355525		
40207767009	**051320009**	EPA 353.2	355525		
40207767010	**051320010**	EPA 353.2	355525		
40207767011	**051320011**	EPA 353.2	355525		
40207767012	**051320012**	EPA 353.2	355525		
40207767013	**051320013**	EPA 353.2	355525		
40207767014	**051320014**	EPA 353.2	355525		
40207767015	**051320015**	EPA 353.2	355527		
40207767016	**051320016**	EPA 353.2	355527		
40207767017	**051320017**	EPA 353.2	355527		
40207767018	**051320018**	EPA 353.2	355527		
40207767019	**051320019**	EPA 353.2	355527		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

COC#: 73068-0520-001

4020767

Page: 1 of 1

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 #:	

REGULATORY AGENCY

☐ NPDES ☑ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: WI

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

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	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 D**	VOCs 5035/8260B	Metals 6020 or 7470A***	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																	Y/N	N	N	N	Y	N	N	N					
1	051220001	GW	G			5-12-20	1500		11	X	X	X	X					X	X	X	X	X	X	X					001
2	051220002						1529		11	X	X	X	X					X	X	X	X	X	X	X					002
3	051220003						1600		11	X	X	X	X					X	X	X	X	X	X	X					003
4	051220004						1650		11	X	X	X	X					X	X	X	X	X	X	X					004
5	051220005	DW					1715		11	X	X	X	X					X	X	X	X	X	X	X					005
6	051320006	GW				5-13-20	0713		11	X	X	X	X					X	X	X	X	X	X	X					006
7	051320007						0753		11	X	X	X	X					X	X	X	X	X	X	Y					007
8	051320008						0758		11	X	X	X	X					X	X	X	X	X	X	X					008
9	051320009						0846		11	X	X	X	X					X	X	X	X	X	X	X					009
10	051320010						0930		11	X	X	X	X					X	X	X	X	X	X	X					010
11	051320011						0935		11	X	X	X	X					X	X	X	X	X	X	X					011
12	051320012						1000		11	X	X	X	X					X	X	X	X	X	X	X					012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
EPA Level 2		5-14-20	1416		5/14/20	1416	ice	Y	N	Y
*Dissolved Metals: Aluminum, Antimony, Copper, Iron, Manganese, Nickel, Silver, Vandium, 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, Tl, Sn, Ti, W, V,Zn										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Melissa Marra

SIGNATURE of SAMPLER: _____ DATE Signed (MM/DD/YY): 5-·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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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

73068-0520-002
40207767

Page: 1 of 1

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 #:	

REGULATORY AGENCY

☐ NPDES ☑ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: WI

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	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 D**	VOCs 5035/8260B	Metals 6020 or 7470A***	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																			N	N	N	Y	N	N	N						
1	051320013	GW	G			5.13.20	1127		11	X	X	X	X						X	X	X	X	X	X	X					013
2	051320014						1158		33	X	X	X	X						X	X	X	X	X	X	X					014
3	051320015						1247		11	X	X	X	X						X	X	X	X	X	X	X					015
4	051320016						1313		11	X	X	X	X						X	X	X	X	X	X	X					016
5	051320017						1341		11	X	X	X	X						X	X	X	X	X	X	X					017
6	051320018						1414		11	X	X	X	X						X	X	X	X	X	X	X					018
7	051320019						1606		33	X	X	X	X						X	X	X	X	X	X	X					019
8	051320020						1726		5	X			X												X	X				020
9	051320021						1757		5	X			X												X	X				021
10	051320022						1856		5	X			X												X	X				022
11	051320023	01					1915		3				X						X											023
12	051420024 ~~051320024~~	GW				5.14.20	0654		5				X												X	X				024

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
EPA Level 2		5.14.20	1416	Pace	5/14/20	1416
*Dissolved Metals: Aluminum, Antimony, Copper, Iron, Manganese, Nickel, Silver, Vandium, 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, Tl, Sn, Ti, W, V,Zn						

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Melissa Morra

SIGNATURE of SAMPLER: Melissa Morra

DATE Signed (MM/DD/YY): 5-13-20

SAMPLE CONDITIONS			
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
0.5	Y	N	Y

*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.

Pace Analytical™ www.pacelabs.com

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

645191

COC#: 73068-0520-003

4020734.7

Page: 1 of 1

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 #:	

REGULATORY AGENCY

☐ NPDES ☑ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: WI

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	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 D**	VOCs 5035/8260B	Metals 6020 or 7470A***	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
	Y/N															N	N	N	Y	N	N	N						
1	051420025	GW	G	5/14/20	0659		5				X												X	X				025
2	051420026				0729		5				X												X	X				026
3	051420027				0745	9	4				X					X	X	X	X	X	X	X						027
4	051420028				0815		9	X			X					X	X	X			X							028
5	~~051420029~~ 051420030	DI			0815		3				X																	029
6	051420031				—		2				X																	030
7	051420029	GW	G	5/14/20	0830		4				XX														XX			031
8																												
9																												
10																												
11																												
12																												

5/14/20

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
EPA Level 2		5.14.20	1416		5/14/20	1416	Ice	Y	N	Y
*Dissolved Metals: Aluminum, Antimony, Copper, Iron, Manganese, Nickel, Silver, Vandium, 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, Tl, Sn, Ti, W, V,Zn										

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Melissa Morrison		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 5-14-20				

*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.

Pace Analytical™ www.pacelabs.com

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

COC: 73068-0520-004

40207767

Page: 1 of 1

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 #:	

REGULATORY AGENCY

☐ NPDES ☑ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: WI

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ Y/N	BTEX 8260B	Methane 8015B	PAH 8270-SIM	Metals 6020A*	Alkalinity 310.2	Sulfate 300.0	Nitrate & Nitrite 353.2	Benzene + Ethylbenzene	PAH 8270 D**	VOCs 5035/8260B	Metals 6020 or 7470A***	Metals: Tungsten + Sulfur	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																			N	N	N	Y	N	N	N					N	
1	051420029	GW	G			5/14/20	0830		1			X																	X	031
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
EPA Level 2		5-14-20	1416		5/14/20	1416	KOI Y N T
*Dissolved Metals: Aluminum, Antimony, Copper, Iron, Manganese, Nickel, Silver, Vandium, 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, Tl, Sn, Ti, W, V,Zn							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Melissa Morra

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 5-14-20

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.

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

Sample Preservation Receipt Form

Client Name: CB 6 Project # 40207767

All containers needing preservation have been checked and noted below: ☑Yes ☐No ☐N/A Initial when completed: SMW Date/Time:

Lab Lot# of pH paper: 10052791 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	1				6											X			X		2.5 / 5 / 10
002						2				1		1	1				6											X			X		2.5 / 5 / 10
003						2				1		1	1				6											X			X		2.5 / 5 / 10
004						2				1		1	1				6											X			X		2.5 / 5 / 10
005						2				1		1	1				6											X			X		2.5 / 5 / 10
006						2				1		1	1				6											X			X		2.5 / 5 / 10
007						2				1		1	1				6										1	X			X		2.5 / 5 / 10
008						2				1		1	1				6										1	X			X		2.5 / 5 / 10
009						2				1		1	1				6											X			X		2.5 / 5 / 10
010						2				1		1	1				6											X			X		2.5 / 5 / 10
011						2				1		1	1				6											X			X		2.5 / 5 / 10
012						2				1		1	1				6											X			X		2.5 / 5 / 10
013						2				1		1	1				6											X			X		2.5 / 5 / 10
014						6				3		3	3				18											X			X		2.5 / 5 / 10
015						2				1		1	1				6											X			X		2.5 / 5 / 10
016						2				1		1	1				6											X			X		2.5 / 5 / 10
017						2				1		1	1				6											X			X		2.5 / 5 / 10
018						2				1		1	1				6											X			X		2.5 / 5 / 10
019						6				3		3	3				18											X			X		2.5 / 5 / 10
020						2											3																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

SMW 5/14/20

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

Pace Analytical Services, LLC
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Green Bay, WI 54302

Sample Preservation Receipt Form

Client Name: OBG Project #: 40207767

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							
021						2											3																2.5 / 5 / 10
022						2											3																2.5 / 5 / 10
023																	3																2.5 / 5 / 10
024						2											3										1						2.5 / 5 / 10
025						2											3																2.5 / 5 / 10
026						2											3																2.5 / 5 / 10
027						2				1							6																2.5 / 5 / 10
028						2				1							6																2.5 / 5 / 10
029																	3																2.5 / 5 / 10
030																	3																2.5 / 5 / 10
031												2					3														X		2.5 / 5 / 10
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TMW 5/14/20

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

Sample Condition Upon Receipt Form (SCUR)

Project #: WO#: 40207767

Client Name: OB6

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

Tracking #: —

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer Used SR - NA **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ROI Corr: _____

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: 5/14/20 Initials: EMW
Labeled By Initials: [illegible]

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☑Yes ☐No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No	9. 028 BP3U received w/ ~ 60mL EMW 5/14/20
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☑Yes ☐No ☐N/A	11.
Sample Labels match COC:	☐Yes ☑No ☐N/A	12. 006 time "0716" 019 A&SU4/6 no date EMW 5/14/20 EMW 5/14/20
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 447		

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