



Wisconsin Public Service Corporation

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July 13, 2022

Ms. Leah Werner
Remedial Project Manager
United States Environmental Protection Agency
77 W. Jackson Boulevard
Chicago, Illinois 60604-3590

**RE: June 2022 Monthly Progress Report
Green Bay Former Manufactured Gas Plant
Green Bay, Wisconsin
Wisconsin Public Service Corporation
CERCLA Docket No. V-W-06-C-847, CERCLIS ID – WIN000509948**

Dear Ms. Werner:

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

1) PROGRESS MADE DURING THE PAST MONTH

- Prepared and submitted May 2022 Monthly Progress Report to United States Environmental Protection Agency (USEPA) by June 15, 2022.
- Submitted the *Early Remedial Action Work Plan (RAWP)* for a voluntary removal action at WPSC Green Bay on June 7, 2022.
- Submitted a summary of all Pre-Design Investigation (PDI) data in the *PDI Data Evaluation Summary Report*, which was incorporated into the RAWP for the Early Removal Action that was submitted June 7, 2022.
- Provided June Monthly Progress meeting slide deck and a layered PDF of all north parking lot data collected under Site-Specific and PDI Work Plans that served as the basis for the Early RAWP design.
- Met with representatives of the City of Green Bay and NEW Water on June 15, 2022 to discuss the excavation dewatering and pre-treatment plan, discharge sampling, and discharge limits for the Early Removal Action.

2) ANALYTICAL AND OTHER TESTING RESULTS RECEIVED

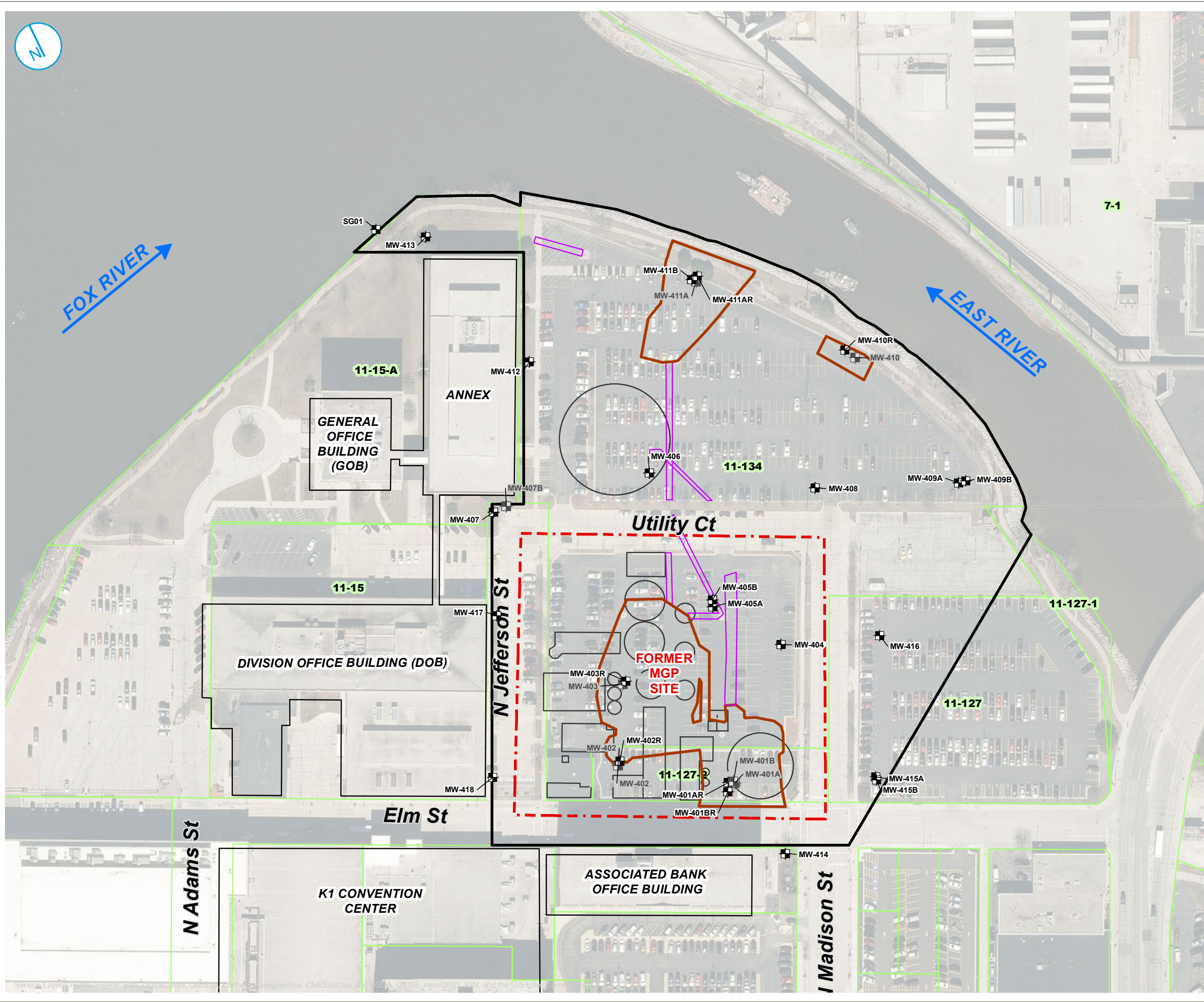
- Routine semi-annual groundwater sample results.

3) PROJECTED WORK

WPSC Actions

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

FIGURES



- MONITORING WELL/STAFF GAUGE LOCATION
- ABANDONED MONITORING WELL LOCATION
- FORMER STRUCTURE
- SOIL REMEDIATION EXCAVATION AREAS (2003)
- SOIL REMEDIATION MGP PIPING RUNS
- UPLAND SITE BOUNDARY
- FORMER MGP
- BUILDING FOOTPRINT
- TAX PARCEL

0 62.5 125
Feet

GROUNDWATER MONITORING LOCATIONS

FORMER GREEN BAY MANUFACTURED GAS PLANT
WISCONSIN PUBLIC SERVICE CORPORATION
CITY OF GREEN BAY, WISCONSIN

FIGURE 01



Service Layer Credits: Sources: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TABLES

Table 1. May 2022 Groundwater Analytical Results Compared to the Groundwater SL, the PAL, and Tap Water Criteria

July 2022 Monthly Progress Report
 Wisconsin Public Service Corporation
 Green Bay Former Manufactured Gas Plant Site
 700 N Adams St, Green Bay, Wisconsin
 BRRTS#: 02-05-000254 USEPA#: WIN000509948

9-digit Code	Sample Location	Sample Date	PVOC	PVOC	PVOC	PVOC	PVOC	PVOC	PVOC	PVOC	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH
			1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Trimethylbenzenes, Total ¹	Benzene	Ethylbenzene	Toluene	Xylene, o	Xylenes, m + p	Xylenes, Total	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Reporting Units:			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
WI Groundwater SL:			NS	NS	480	5	700	800	NS	NS	2,000	NS	NS	NS	NS	3,000	NS	0.2	0.2	NS	NS	0.2	NS	400	400	NS	100	3,000	250
WI Groundwater PAL:			NS	NS	96	0.5	140	160	NS	NS	400	NS	NS	NS	600	NS	0.02	0.02	NS	NS	0.02	NS	80	80	NS	10	NS	50	
Tap Water RSL:			56	60	NS	0.46	1.5	1,100	190	190	190	1.1	36	530	530	1,800	0.03	0.025	0.25	120	2.5	25	0.025	800	290	0.25	0.12	1,800	120
051022021	MW-401BR	05/10/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.018 U	0.014 U	0.014 U	0.013 U	0.019 U	0.014 U	0.020 U	0.081	0.057	0.039 J	0.084	0.018 U	0.10	0.024 U	0.036 J	0.029 J	0.038 J	0.097
051022020	MW-402R	05/10/2022	21.7	1.8 U	21.7	285	31.8	2.8 J	19.7	28.6	48.4	76.6	8.2	23.9	1.3	1.6	0.27 U	0.39 U	0.39 U	0.47 U	0.45 U	0.53 U	0.36 U	0.96 J	16.9	0.31 U	116	9.0	0.81 J
051022024	MW-403R	05/10/2022	22.8	2.1	24.9	546	53.6	21.5	45.0	51.0	96.0	42.1	27.3	9.6	2.1 J	1.8 U	1.3 U	1.9 U	1.9 U	2.3 U	2.2 U	2.6 U	1.8 U	2.6 U	5.4	1.5 U	934	6.5	2.2 U
051022022	MW-404	05/10/2022	4.1	0.52 J	4.62	49.5	36.4	0.35 J	5.0	5.8	10.8	88.5	0.27 U	11.7	4.9	1.4	0.27 U	0.39 U	0.38 U	0.46 U	0.44 U	0.53 U	0.35 U	0.60 J	0.74 J	0.31 U	6.7	5.8	0.62 J
051022023	MW-405B	05/10/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.017 U	0.013 U	0.014 U	0.012 U	0.030 J	0.013 U	0.17	0.34	0.27	0.13	0.23	0.038 J	0.38	0.023 U	0.38	0.023 U	0.15	0.28
051022014/051022015 (N)	MW-406	05/10/2022	0.45 U	0.36 U	0.81 U	2.3	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.017 U	0.013 U	0.014 J	0.055	0.091	0.39	0.92	2.2	1.4	0.73	1.3	0.20	2.0	0.023 U	1.0	0.054	0.37	1.4
050922004	MW-407	05/09/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.017 U	0.013 U	0.013 U	0.012 U	0.019 J	0.013 U	0.019 U	0.019 U	0.023 U	0.022 U	0.026 U	0.017 U	0.025 U	0.023 U	0.015 U	0.019 U	0.025 U	0.022 U
051022013	MW-408	05/10/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.11 J	0.070 U	0.16 J	0.27	0.94	3.7	8.4	19.8	12.0	6.3	12.9	1.8	25.4	0.45	9.0	0.10 U	4.2	16.4
051022011	MW-409A	05/10/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.018 J	0.014 U	0.014 U	0.061	0.073	0.013 U	0.25	0.79	0.47	0.25	0.52	0.042 J	0.46	0.023 U	0.35	0.025 J	0.085	0.50
051022012	MW-409B	05/10/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.018 U	0.014 U	0.014 U	0.012 U	0.018 U	0.013 U	0.13	0.29	0.22	0.12	0.22	0.022 J	0.31	0.023 U	0.15	0.089	0.076	0.25
050922008/050922009 (N)	MW-410R	05/09/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.030 J	0.013 U	0.025 J	0.012 U	0.037 J	0.013 U	0.019 U	0.019 U	0.022 U	0.021 U	0.025 U	0.017 U	0.025 U	0.023 U	0.015 U	0.042 J	0.025 U	0.022 U
050922006	MW-411AR	05/09/2022	0.94 J	0.36 U	0.94	108	11.5	0.29 U	0.35 U	0.70 U	1.0 U	0.96	0.097	0.28	0.16	0.092	0.014 U	0.020 U	0.13	0.13	0.076	0.19	0.038 J	0.16	0.10	0.087	0.90	0.23	0.21
050922007	MW-411B	05/09/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.018 U	0.014 U	0.014 U	0.020 J	0.094	0.014 U	0.24	0.62	0.54	0.21	0.34	0.13	0.52	0.024 U	0.35	0.020 U	0.15	0.40
050922003	MW-412	05/09/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.018 U	0.015 J	0.014 U	0.013 U	0.041 J	0.014 U	0.020 U	0.020 U	0.024 U	0.023 U	0.027 U	0.093	0.027 U	0.024 U	0.043 J	0.020 U	0.026 U	0.023 U
050922005	MW-413	05/09/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.017 U	0.013 U	0.013 U	0.012 U	0.018 U	0.013 U	0.019 U	0.019 U	0.022 U	0.021 U	0.025 U	0.035 J	0.025 U	0.022 U	0.019 J	0.019 U	0.024 U	0.022 U
051022019	MW-414	05/10/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.018 U	0.014 U	0.014 U	0.013 U	0.019 U	0.014 U	0.020 U	0.039 J	0.024 U	0.023 U	0.050 J	0.018 U	0.070	0.024 U	0.018 J	0.020 U	0.050 J	0.059
051022017	MW-415A	05/10/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.018 U	0.014 U	0.014 U	0.012 U	0.025 J	0.013 U	0.086	0.17	0.12	0.078	0.14	0.018 U	0.20	0.023 U	0.092	0.020 U	0.069	0.16
051022018	MW-415B	05/10/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.017 U	0.013 U	0.013 U	0.012 U	0.018 U	0.013 U	0.031 J	0.075	0.049	0.041 J	0.083	0.017 U	0.13	0.023 U	0.043 J	0.019 U	0.077	0.11
051022016	MW-416	05/10/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.017 U	0.013 U	0.014 U	0.012 U	0.018 U	0.013 U	0.019 U	0.066	0.044 J	0.032 J	0.052	0.017 U	0.089	0.023 U	0.034 J	0.019 U	0.040 J	0.065
050922002	MW-417	05/09/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.018 U	0.014 U	0.014 U	0.012 U	0.018 U	0.013 U	0.019 U	0.019 U	0.023 U	0.022 U	0.026 U	0.018 U	0.026 U	0.023 U	0.015 U	0.020 U	0.025 U	0.022 U
050922001	MW-418	05/09/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.017 U	0.013 U	0.014 U	0.012 U	0.018 U	0.013 U	0.019 U	0.019 U	0.023 U	0.022 U	0.026 U	0.017 U	0.025 U	0.023 U	0.015 U	0.019 U	0.025 U	0.022 U
050922010	EB01	05/09/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.019 U	0.014 U	0.015 U	0.013 U	0.019 U	0.014 U	0.021 U	0.020 U	0.024 U	0.023 U	0.028 U	0.019 U	0.027 U	0.025 U	0.016 U	0.021 U	0.027 U	0.024 U
051022025	EB02	05/10/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.019 U	0.014 U	0.014 U	0.013 U	0.019 U	0.014 U	0.020 U	0.020 U	0.024 U	0.023 U	0.028 U	0.019 U	0.027 U	0.024 U	0.016 U	0.021 U	0.027 U	0.024 U
051022026	TB01	05/10/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
051022027	TB02	05/10/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Number of Samples Analyzed:			21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
Number of Detections:			4	2	4	5	4	3	3	3	3	7	4	7	8	12	2	8	12	11	11	12	9	14	5	14	9	15	14
Min:			0.94	0.52	0.94	2.3	11.5	0.35	5	5.8	10.8	0.018	0.015	0.014	0.02	0.019	0.39	0.031	0.039	0.044	0.032	0.05	0.022	0.07	0.1	0.018	0.025	0.038	0.059
Max:			22.8	2.1	24.9	546	53.6	21.5	45	51	96	88.5	27.3	23.9	4.9	1.6	3.7	8.4	19.8	12	6.3	12.9	1.8	25.4	16.9	9	934	9	16.4
WI Groundwater SL:			NS	NS	480	5	700	800	NS	NS	2,000	NS	NS	NS	NS	3,000	NS	0.2	0.2	NS	NS	0.2	NS	400	400	NS	100	3,000	250
Exceedance count:			0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4	6	0	0	6	0	0	0	0	2	0	0
WI Groundwater PAL:			NS	NS	96	0.5	140	160	NS	NS	400	NS	NS	NS	NS	600	NS	0.02	0.02	NS	NS	0.02	NS	80	80	NS	10	NS	50
Exceedance count:			0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	8	12	0	0	12	0	0	0	0	2	0	0
Tap Water RSL:			56	60	NS	0.46	1.5	1,100	190	190	190	1.1	36	530	530	1,800	0.03	0.025	0.25	120	2.5	25	0.025	800	290	0.25	0.12	1,800	120
Exceedance count:			0	0	0	5	4	0	0	0	0	3	0	0	0	0	2	8	6	0	1	0	8	0	0	4	4	0	0

Underline attains or exceeds the WI Groundwater PAL
Italic exceeds the Tap Water RSL
Pink Highlighting Groundwater SL exceedance; results only exceeding the PAL and/or Tap Water criteria are not highlighted.
Yellow Highlighting analyte concentration exceedance in one or more samples
 Statistics exclude the quality control samples (Equipment and Trip blanks)

Screening Levels:
 Screening Levels used on this table were presented in the Multi-Site Risk Assessment Framework (RAF) Addendum Revision 6, issued in August 2017. Since that time, nine revisions of the RSLs have been published by EPA through May 2022. The RSLs necessary for the MGP-related constituents evaluated in this table are up to date with the most recent revision.

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.

Results & Flags:
 -- = Analysis not performed
 J = Estimated Concentration
 NA = Not Applicable
 U = Concentration was not detected above the reported limit

Acronyms:
 (N) = Normalized sample locations created from combining parent and field

Table 1. May 2022 Groundwater Analytical Results Compared to the Groundwater SL, the PAL, and Tap Water Criteria

July 2022 Monthly Progress Report
 Wisconsin Public Service Corporation
 Green Bay Former Manufactured Gas Plant Site
 700 N Adams St, Green Bay, Wisconsin
 BRRTS#: 02-05-000254 USEPA#: WIN000509948

9-digit Code	Sample Location	Sample Date	Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Inorganic		Inorganic		Organic		
			Arsenic, Total	Barium, Total	Cadmium, Total	Chromium, Total	Iron, Total	Lead, Total	Manganese, Total	Mercury, Total	Selenium, Total	Silver, Total	Nitrogen, NO ₂ + NO ₃ , 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	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 SL:			10		2,000		5		100		NS		15		300		2		50		50		NS		NS		
WI Groundwater PAL:			1		400		0.5		10		150		1.5		60		0.2		10		10		2,000		125,000		NS
Tap Water RSL:			0.052		3,800		1.8		22,000		14,000		15		430		5.7		100		94		NS		NS		NS
051022021	MW-401BR	05/10/2022	0.69	J	50.9		0.15	U	1.0	U	58.0	U	0.24	U	428		0.066	U	0.32	U	0.13	U	2,200		1,160,000		4.8
051022020	MW-402R	05/10/2022	<u>1.1</u>		500		0.15	U	1.0	U	<u>2,040</u>		0.24	U	187		0.066	U	3.4	U	0.13	U	340		476,000		508
051022024	MW-403R	05/10/2022	<u>1.5</u>	J	112		0.30	U	5.2	J	<u>2,910</u>		1.4	J	<u>211</u>		0.066	U	0.63	U	0.25	U	59	U	<u>904,000</u>		28.7
051022022	MW-404	05/10/2022	<u>0.72</u>	J	120		0.30	U	2.0	U	<u>702</u>		<u>1.5</u>	J	<u>282</u>		0.066	U	0.63	U	0.25	U	230	J	<u>349,000</u>		76.3
051022023	MW-405B	05/10/2022	<u>1.7</u>	J	27.3		0.30	U	3.6	J	<u>184</u>	J	<u>1.6</u>	J	59.8		0.066	U	0.63	U	0.25	U	750		<u>157,000</u>		7.9
051022014/051022015 (N)	MW-406	05/10/2022	<u>2.7</u>		77.1		0.30	U	3.4	J	<u>1,430</u>		<u>1.5</u>	J	358		0.066	U	0.63	U	0.25	U	68	J	96,300		633
050922004	MW-407	05/09/2022	<u>1.5</u>	J	249		0.30	U	3.5	J	<u>6,700</u>		0.91	J	396		0.066	U	0.63	U	0.25	U	67	J	90,200		907
051022013	MW-408	05/10/2022	<u>2.1</u>		247		0.30	U	2.1	J	<u>29,200</u>		<u>2.4</u>	J	2,320		0.066	U	0.63	U	0.25	U	59	U	62,300		1,360
051022011	MW-409A	05/10/2022	<u>3.3</u>		121		0.30	U	5.4	J	<u>7,680</u>		18.6		771		0.066	U	0.70	J	0.25	U	59	U	<u>494,000</u>		1,180
051022012	MW-409B	05/10/2022	0.56	U	15.1		0.30	U	2.0	U	116	U	1.0	J	11.9		0.066	U	0.63	U	0.25	U	840		<u>420,000</u>		6.2
050922008/050922009 (N)	MW-410R	05/09/2022	<u>1.9</u>	J	333		0.30	U	<u>11.7</u>		<u>5,500</u>		1.1	J	960		0.066	U	0.63	U	0.25	U	59	U	30,500		11,300
050922006	MW-411AR	05/09/2022	39.8		3.6	J	0.30	U	2.0	U	<u>157</u>	J	<u>1.9</u>	J	3.2	J	0.066	U	2.3	U	0.25	U	690		105,000		13.8
050922007	MW-411B	05/09/2022	<u>0.57</u>	J	26.8		0.30	U	2.0	U	116	U	0.93	J	147		0.066	U	0.63	U	0.25	U	650		<u>252,000</u>		1.1
050922003	MW-412	05/09/2022	<u>3.0</u>	J	<u>472</u>		0.15	U	1.0	U	<u>25,300</u>		0.24	U	1,130		0.066	U	0.80	J	0.13	U	59	U	41,600		3,670
050922005	MW-413	05/09/2022	<u>1.5</u>	J	125		0.30	U	2.0	U	<u>13,600</u>		0.55	J	<u>270</u>		0.066	U	0.63	U	0.25	U	59	U	52,100		2,580
051022019	MW-414	05/10/2022	<u>1.0</u>	J	181		0.30	U	2.0	U	116	U	<u>1.7</u>	J	498		0.066	U	0.66	J	0.25	U	500		107,000		15.1
051022017	MW-415A	05/10/2022	<u>0.63</u>	J	89.5		0.30	U	2.0	U	116	U	<u>1.5</u>	J	4.2	J	0.066	U	0.63	U	0.25	U	120	J	<u>276,000</u>		1.0
051022018	MW-415B	05/10/2022	<u>0.94</u>	J	21.3		0.30	J	4.8	J	<u>193</u>	J	1.4	J	2.4	U	0.066	U	0.63	U	0.25	U	380		<u>1,590,000</u>		1.2
051022016	MW-416	05/10/2022	<u>2.5</u>		227		0.30	U	2.0	U	<u>5,460</u>		1.8	J	1,990		0.066	U	0.63	U	0.25	U	59	U	<u>344,000</u>		56.0
050922002	MW-417	05/09/2022	<u>1.6</u>		291		0.15	U	1.0	U	<u>6,740</u>		0.24	U	449		0.066	U	3.4	U	0.13	U	59	U	59,000		1,510
050922001	MW-418	05/09/2022	0.56	J	142		0.15	U	1.0	U	58.0	U	0.24	U	<u>99.1</u>		0.066	U	<u>15.3</u>		0.13	U	<u>7,900</u>		59,400		1.5
050922010	EB01	05/09/2022	0.28	U	0.70	U	0.15	U	1.1	J	81.4	J	0.24	U	1.2	U	0.066	U	0.32	U	0.13	U	--		--		--
051022025	EB02	05/10/2022	0.28	U	0.70	U	0.15	U	2.8	J	112	J	0.24	U	1.2	U	0.066	U	0.32	U	0.13	U	--		--		--
051022026	TB01	05/10/2022	--		--		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--	--	--	--
051022027	TB02	05/10/2022	--		--		--	--	--	--	--		--	--	--		--	--	--	--	--	--	--	--	--	--	--

Total Number of Samples Analyzed:	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
Number of Detections:	20	21	1	8	15	16	20	0	7	0	13	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
Min:	0.56	3.6	0.3	2.1	157	0.55	3.2	NA	0.66	NA	67	30,500	1													
Max:	39.8	500	0.3	11.7	29,200	18.6	2,320	NA	15.3	NA	7,900	1,590,000	11,300													
WI Groundwater SL:	10	2,000	5	100	NS	15	300	2	50	50	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Exceedance count:	1	0	0	0	0	1	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WI Groundwater PAL:	1	400	0.5	10	150	1.5	60	0.2	10	10	2,000	125,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Exceedance count:	14	2	0	1	15	9	16	0	1	0	2	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tap Water RSL:	0.052	3,800	1.8	22,000	14,000	15	430	5.7	100	94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Exceedance count:	20	0	0	0	2	1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

[O:CMD 7/7/22, C:MGP 7/12/22]

Underline attains or exceeds the WI Groundwater PAL
Italic exceeds the Tap Water RSL
Pink Highlighting Groundwater SL exceedance; results only exceeding the PAL and/or Tap Water criteria are not highlighted.
Yellow Highlighting analyte concentration exceedance in one or more samples
 Statistics exclude the quality control samples (Equipment and Trip blanks)

Results & Flags:
 -- = Analysis not performed
 J = Estimated Concentration
 NA = Not Applicable
 U = Concentration was not detected above the reported limit

Superscripts:
 1. Total Trimethylbenzenes were calculated by Ramboll as follows:
 a. Where no detections were observed, the sum of the reporting limits is presented.
 b. Where detections were observed, only the detected results were added together for the total summation.
 c. Analytes used for the calculation are 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

Screening Levels:
 Screening Levels used on this table were presented in the Multi-Site Risk Assessment Framework (RAF) Addendum Revision 6, issued in August 2017. Since that time, nine revisions of the RSLs have been published by EPA through May 2022. The RSLs necessary for the MGP-related constituents evaluated in this table are up to date with the most recent revision.

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.

Acronyms:
 (N) = Normalized sample locations created from combining parent and field duplicate samples following EPA protocol
 µg/L = micrograms per liter
 BRRTS = Bureau for Remediation and Redevelopment Tracking System
 EB = Equipment Blank
 EPA = Environmental Protection Agency
 MCL = Maximum Contaminant Level

MGP = Manufactured Gas Plant
 NO₂ + NO₃ = nitrite plus nitrate
 NS = No Screening Level/No Standard
 PAH = Polycyclic Aromatic Hydrocarbon
 PAL = Preventive Action Limit
 PVOC = Petroleum Volatile Organic Compound
 RSL = Regional Screening Level
 SL = Screening Level
 TB = Trip Blank
 USEPA = United States Environmental Protection Agency
 WI = Wisconsin

Table 2. May 2022 Groundwater Analytical Results Compared to VISLs

July 2022 Monthly Progress Report
 Wisconsin Public Service Corporation
 Green Bay Former Manufactured Gas Plant Site
 700 N Adams St, Green Bay, Wisconsin
 BRRTS#: 02-05-000254 USEPA#: WIN000509948

9-digit Code	Sample Location	Sample Date	PVOC	PVOC	PVOC	PVOC	PVOC	PVOC	PVOC	PVOC	PAH	
			1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Trimethylbenzenes, Total ¹	Benzene	Ethylbenzene	Toluene	Xylene, o	Xylenes, m + p	Xylenes, Total	Naphthalene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Reporting Units:			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Groundwater VISL, Industrial:			1,040	733	1,040	6.9	15	80,700	2,070	1,490	1,620	20
Groundwater VISL, Residential:			248	175	248	1.6	3.5	19,200	492	355	385	4.6
051022021	MW-401BR	05/10/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.029 J
051022020	MW-402R	05/10/2022	21.7	1.8 U	21.7	285	31.8	2.8 J	19.7	28.6	48.4	116
051022024	MW-403R	05/10/2022	22.8	2.1	24.9	546	53.6	21.5	45.0	51.0	96.0	934
051022022	MW-404	05/10/2022	4.1	0.52 J	4.62	49.5	36.4	0.35 J	5.0	5.8	10.8	6.7
051022023	MW-405B	05/10/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.019 U
051022014/051022015 (N)	MW-406	05/10/2022	0.45 U	0.36 U	0.81 U	2.3	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.054
050922004	MW-407	05/09/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.019 U
051022013	MW-408	05/10/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.10 U
051022011	MW-409A	05/10/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.025 J
051022012	MW-409B	05/10/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.089
050922008/050922009 (N)	MW-410R	05/09/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.042 J
050922006	MW-411AR	05/09/2022	0.94 J	0.36 U	0.94	108	11.5	0.29 U	0.35 U	0.70 U	1.0 U	0.90
050922007	MW-411B	05/09/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.020 U
050922003	MW-412	05/09/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.020 U
050922005	MW-413	05/09/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.019 U
051022019	MW-414	05/10/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.020 U
051022017	MW-415A	05/10/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.020 U
051022018	MW-415B	05/10/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.019 U
051022016	MW-416	05/10/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.019 U
050922002	MW-417	05/09/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.020 U
050922001	MW-418	05/09/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.019 U
050922010	EB01	05/09/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.021 U
051022025	EB02	05/10/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	0.021 U
051022026	TB01	05/10/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	--
051022027	TB02	05/10/2022	0.45 U	0.36 U	0.81 U	0.30 U	0.33 U	0.29 U	0.35 U	0.70 U	1.0 U	--

[O:CMD 7/7/22, C: MGP 7/12/22]

Only parameters with VISL will be presented; please refer to Table 1 for results for other parameters.

Bold	exceeds the Groundwater VISL, Industrial
<u>Underline</u>	exceeds the Groundwater VISL, Residential
Pink Highlighting	result exceeds one or more screening criteria

Screening Levels:

Screening Levels used on this table were presented in the Multi-Site Risk Assessment Framework (RAF) Addendum Revision 6, issued in August 2017. Since that time, nine revisions of the RSLs have been published by EPA through May 2022. The RSLs necessary for the MGP-related constituents evaluated in this table are up to date with the most recent revision.

Superscripts:

1. Total Trimethylbenzenes were calculated by Ramboll as follows:
 - a. Where no detections were observed, the sum of the reporting limits is presented.
 - b. Where detections were observed, only the detected results were added together for the total summation.
 - c. Analytes used for the calculation are 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

Results & Flags:

- = Analysis not performed
- J = Estimated Concentration
- NA = Not Applicable
- U = Concentration was not detected above the reported limit

Acronyms:

- (N) = Normalized sample locations created from combining parent and field duplicate samples following EPA protocol
- µg/L = micrograms per liter
- BRRTS = Bureau for Remediation and Redevelopment Tracking System
- EB = Equipment Blank
- EPA = Environmental Protection Agency
- MGP = Manufactured Gas Plant
- PAH = Polycyclic Aromatic Hydrocarbon
- PVOC = Petroleum Volatile Organic Compound
- RSL = Regional Screening Level
- TB = Trip Blank
- USEPA = United States Environmental Protection Agency
- VISL = Vapor Intrusion Screening Level
- WI = Wisconsin

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



ANALYTICAL LABORATORY REPORTS

June 02, 2022

Staci Goetz
Ramboll US Consulting, Inc.
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204

RE: Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244708

Dear Staci Goetz:

Enclosed are the analytical results for sample(s) received by the laboratory on May 11, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

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

Sincerely,



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

Enclosures

cc: Phil Brochocki, Ramboll
NRT Data, Ramboll
Eric Hritsuk, Ramboll
Kyle Schaefer, Ramboll Americas
Dan Vachon, Ramboll



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244708

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244708

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40244708001	050922001	Water	05/09/22 11:16	05/11/22 07:40
40244708002	050922002	Water	05/09/22 12:05	05/11/22 07:40
40244708003	050922003	Water	05/09/22 12:46	05/11/22 07:40

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SAMPLE ANALYTE COUNT

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244708

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40244708001	050922001	EPA 8015B Modified	KHB	1
		EPA 6020B	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	EIB	11
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40244708002	050922002	EPA 8015B Modified	KHB	1
		EPA 6020B	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	EIB	11
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40244708003	050922003	EPA 8015B Modified	KHB	1
		EPA 6020B	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	EIB	11
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244708

Method: EPA 8015B Modified

Description: Methane, Ethane, Ethene GCV

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

Date: June 02, 2022

General Information:

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

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Surrogates:

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

Method Blank:

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

QC Batch: 415762

B: Analyte was detected in the associated method blank.

- BLANK for HBN 415762 [GCV/2131 (Lab ID: 2394006)
- Methane

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: 415762

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40244709001

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

- MS (Lab ID: 2394015)
 - Methane
- MSD (Lab ID: 2394016)
 - Methane

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244708

Method: EPA 6020B

Description: 6020B MET ICPMS

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

Date: June 02, 2022

General Information:

3 samples were analyzed for EPA 6020B by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244708

Method: EPA 7470

Description: 7470 Mercury

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

Date: June 02, 2022

General Information:

3 samples were analyzed for EPA 7470 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 7470 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:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244708

Method: EPA 8270E by SIM

Description: 8270E MSSV PAH

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

Date: June 02, 2022

General Information:

3 samples were analyzed for EPA 8270E by SIM by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

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: 415533

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244708

Method: EPA 8260

Description: 8260 MSV UST

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

Date: June 02, 2022

General Information:

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

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244708

Method: EPA 300.0

Description: 300.0 IC Anions

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

Date: June 02, 2022

General Information:

3 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: 416005

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40244648001,40244709001

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

- MSD (Lab ID: 2395129)
- Sulfate

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244708

Method: EPA 353.2

Description: 353.2 Nitrogen, NO₂/NO₃ pres.

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

Date: June 02, 2022

General Information:

3 samples were analyzed for EPA 353.2 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244708

Sample: 050922001 **Lab ID: 40244708001** Collected: 05/09/22 11:16 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	1.5J	ug/L	2.8	0.58	1		05/17/22 10:21	74-82-8	B
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Arsenic	0.56J	ug/L	1.0	0.28	1	05/20/22 07:57	06/01/22 04:30	7440-38-2	
Barium	142	ug/L	2.3	0.70	1	05/20/22 07:57	06/01/22 04:30	7440-39-3	
Cadmium	<0.15	ug/L	1.0	0.15	1	05/20/22 07:57	06/01/22 04:30	7440-43-9	
Chromium	<1.0	ug/L	3.4	1.0	1	05/20/22 07:57	06/01/22 04:30	7440-47-3	
Iron	<58.0	ug/L	250	58.0	1	05/20/22 07:57	06/01/22 04:30	7439-89-6	
Lead	<0.24	ug/L	1.0	0.24	1	05/20/22 07:57	06/01/22 04:30	7439-92-1	
Manganese	99.1	ug/L	4.0	1.2	1	05/20/22 07:57	06/01/22 04:30	7439-96-5	
Selenium	15.3	ug/L	1.1	0.32	1	05/20/22 07:57	06/01/22 04:30	7782-49-2	
Silver	<0.13	ug/L	0.50	0.13	1	05/20/22 07:57	06/01/22 04:30	7440-22-4	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay									
Mercury	<0.066	ug/L	0.20	0.066	1	05/16/22 10:55	05/17/22 08:46	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	<0.014	ug/L	0.049	0.014	1	05/12/22 09:20	05/13/22 18:14	83-32-9	
Acenaphthylene	<0.012	ug/L	0.049	0.012	1	05/12/22 09:20	05/13/22 18:14	208-96-8	
Anthracene	<0.018	ug/L	0.049	0.018	1	05/12/22 09:20	05/13/22 18:14	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.049	0.013	1	05/12/22 09:20	05/13/22 18:14	56-55-3	
Benzo(a)pyrene	<0.019	ug/L	0.049	0.019	1	05/12/22 09:20	05/13/22 18:14	50-32-8	
Benzo(b)fluoranthene	<0.019	ug/L	0.049	0.019	1	05/12/22 09:20	05/13/22 18:14	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.049	0.023	1	05/12/22 09:20	05/13/22 18:14	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.049	0.022	1	05/12/22 09:20	05/13/22 18:14	207-08-9	
Chrysene	<0.026	ug/L	0.049	0.026	1	05/12/22 09:20	05/13/22 18:14	218-01-9	
Dibenz(a,h)anthracene	<0.017	ug/L	0.049	0.017	1	05/12/22 09:20	05/13/22 18:14	53-70-3	
Fluoranthene	<0.025	ug/L	0.049	0.025	1	05/12/22 09:20	05/13/22 18:14	206-44-0	
Fluorene	<0.023	ug/L	0.049	0.023	1	05/12/22 09:20	05/13/22 18:14	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.049	0.015	1	05/12/22 09:20	05/13/22 18:14	193-39-5	
1-Methylnaphthalene	<0.017	ug/L	0.049	0.017	1	05/12/22 09:20	05/13/22 18:14	90-12-0	
2-Methylnaphthalene	<0.013	ug/L	0.049	0.013	1	05/12/22 09:20	05/13/22 18:14	91-57-6	
Naphthalene	<0.019	ug/L	0.049	0.019	1	05/12/22 09:20	05/13/22 18:14	91-20-3	
Phenanthrene	<0.025	ug/L	0.049	0.025	1	05/12/22 09:20	05/13/22 18:14	85-01-8	
Pyrene	<0.022	ug/L	0.049	0.022	1	05/12/22 09:20	05/13/22 18:14	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	70	%	44-120		1	05/12/22 09:20	05/13/22 18:14	321-60-8	
Terphenyl-d14 (S)	70	%	49-120		1	05/12/22 09:20	05/13/22 18:14	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		05/18/22 13:38	71-43-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244708

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 050922001 Lab ID: 40244708001 Collected: 05/09/22 11:16 Received: 05/11/22 07:40 Matrix: Water									
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/18/22 13:38	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/18/22 13:38	108-88-3	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/18/22 13:38	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/18/22 13:38	108-67-8	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/18/22 13:38	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/18/22 13:38	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/18/22 13:38	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1		05/18/22 13:38	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130		1		05/18/22 13:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		05/18/22 13:38	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	59.4	mg/L	2.0	0.44	1		05/19/22 21:15	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	7.9	mg/L	0.25	0.059	1		05/17/22 13:36		

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 050922002 Lab ID: 40244708002 Collected: 05/09/22 12:05 Received: 05/11/22 07:40 Matrix: Water									
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	1510	ug/L	56.0	11.5	20		05/17/22 13:05	74-82-8	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Arsenic	1.6	ug/L	1.0	0.28	1	05/20/22 07:57	06/01/22 04:59	7440-38-2	
Barium	291	ug/L	2.3	0.70	1	05/20/22 07:57	06/01/22 04:59	7440-39-3	
Cadmium	<0.15	ug/L	1.0	0.15	1	05/20/22 07:57	06/01/22 04:59	7440-43-9	
Chromium	<1.0	ug/L	3.4	1.0	1	05/20/22 07:57	06/01/22 04:59	7440-47-3	
Iron	6740	ug/L	250	58.0	1	05/20/22 07:57	06/01/22 04:59	7439-89-6	
Lead	<0.24	ug/L	1.0	0.24	1	05/20/22 07:57	06/01/22 04:59	7439-92-1	
Manganese	449	ug/L	4.0	1.2	1	05/20/22 07:57	06/01/22 04:59	7439-96-5	
Selenium	3.4	ug/L	1.1	0.32	1	05/20/22 07:57	06/01/22 04:59	7782-49-2	
Silver	<0.13	ug/L	0.50	0.13	1	05/20/22 07:57	06/01/22 04:59	7440-22-4	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay									
Mercury	<0.066	ug/L	0.20	0.066	1	05/16/22 10:55	05/17/22 08:49	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244708

Sample: 050922002 **Lab ID: 40244708002** Collected: 05/09/22 12:05 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.014	ug/L	0.049	0.014	1	05/12/22 09:20	05/13/22 18:32	83-32-9	
Acenaphthylene	<0.012	ug/L	0.049	0.012	1	05/12/22 09:20	05/13/22 18:32	208-96-8	
Anthracene	<0.018	ug/L	0.049	0.018	1	05/12/22 09:20	05/13/22 18:32	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.049	0.013	1	05/12/22 09:20	05/13/22 18:32	56-55-3	
Benzo(a)pyrene	<0.019	ug/L	0.049	0.019	1	05/12/22 09:20	05/13/22 18:32	50-32-8	
Benzo(b)fluoranthene	<0.019	ug/L	0.049	0.019	1	05/12/22 09:20	05/13/22 18:32	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.049	0.023	1	05/12/22 09:20	05/13/22 18:32	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.049	0.022	1	05/12/22 09:20	05/13/22 18:32	207-08-9	
Chrysene	<0.026	ug/L	0.049	0.026	1	05/12/22 09:20	05/13/22 18:32	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.049	0.018	1	05/12/22 09:20	05/13/22 18:32	53-70-3	
Fluoranthene	<0.026	ug/L	0.049	0.026	1	05/12/22 09:20	05/13/22 18:32	206-44-0	
Fluorene	<0.023	ug/L	0.049	0.023	1	05/12/22 09:20	05/13/22 18:32	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.049	0.015	1	05/12/22 09:20	05/13/22 18:32	193-39-5	
1-Methylnaphthalene	<0.018	ug/L	0.049	0.018	1	05/12/22 09:20	05/13/22 18:32	90-12-0	
2-Methylnaphthalene	<0.014	ug/L	0.049	0.014	1	05/12/22 09:20	05/13/22 18:32	91-57-6	
Naphthalene	<0.020	ug/L	0.049	0.020	1	05/12/22 09:20	05/13/22 18:32	91-20-3	
Phenanthrene	<0.025	ug/L	0.049	0.025	1	05/12/22 09:20	05/13/22 18:32	85-01-8	
Pyrene	<0.022	ug/L	0.049	0.022	1	05/12/22 09:20	05/13/22 18:32	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	65	%	44-120		1	05/12/22 09:20	05/13/22 18:32	321-60-8	
Terphenyl-d14 (S)	64	%	49-120		1	05/12/22 09:20	05/13/22 18:32	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		05/16/22 12:38	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/16/22 12:38	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/16/22 12:38	108-88-3	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/16/22 12:38	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/16/22 12:38	108-67-8	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/16/22 12:38	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/16/22 12:38	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/16/22 12:38	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1		05/16/22 12:38	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130		1		05/16/22 12:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		05/16/22 12:38	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	59.0	mg/L	10.0	2.2	5		05/19/22 21:30	14808-79-8	
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		05/17/22 13:39		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244708

Sample: 050922003 **Lab ID: 40244708003** Collected: 05/09/22 12:46 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	3670	ug/L	70.0	14.4	25		05/17/22 13:12	74-82-8	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Arsenic	3.0	ug/L	1.0	0.28	1	05/20/22 07:57	06/01/22 05:14	7440-38-2	
Barium	472	ug/L	2.3	0.70	1	05/20/22 07:57	06/01/22 05:14	7440-39-3	
Cadmium	<0.15	ug/L	1.0	0.15	1	05/20/22 07:57	06/01/22 05:14	7440-43-9	
Chromium	<1.0	ug/L	3.4	1.0	1	05/20/22 07:57	06/01/22 05:14	7440-47-3	
Iron	25300	ug/L	250	58.0	1	05/20/22 07:57	06/01/22 05:14	7439-89-6	
Lead	<0.24	ug/L	1.0	0.24	1	05/20/22 07:57	06/01/22 05:14	7439-92-1	
Manganese	1130	ug/L	4.0	1.2	1	05/20/22 07:57	06/01/22 05:14	7439-96-5	
Selenium	0.80J	ug/L	1.1	0.32	1	05/20/22 07:57	06/01/22 05:14	7782-49-2	
Silver	<0.13	ug/L	0.50	0.13	1	05/20/22 07:57	06/01/22 05:14	7440-22-4	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay									
Mercury	<0.066	ug/L	0.20	0.066	1	05/16/22 10:55	05/17/22 08:51	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	<0.014	ug/L	0.051	0.014	1	05/12/22 13:00	05/13/22 19:47	83-32-9	
Acenaphthylene	<0.013	ug/L	0.051	0.013	1	05/12/22 13:00	05/13/22 19:47	208-96-8	
Anthracene	0.041J	ug/L	0.051	0.019	1	05/12/22 13:00	05/13/22 19:47	120-12-7	
Benzo(a)anthracene	<0.014	ug/L	0.051	0.014	1	05/12/22 13:00	05/13/22 19:47	56-55-3	
Benzo(a)pyrene	<0.020	ug/L	0.051	0.020	1	05/12/22 13:00	05/13/22 19:47	50-32-8	
Benzo(b)fluoranthene	<0.020	ug/L	0.051	0.020	1	05/12/22 13:00	05/13/22 19:47	205-99-2	
Benzo(g,h,i)perylene	<0.024	ug/L	0.051	0.024	1	05/12/22 13:00	05/13/22 19:47	191-24-2	
Benzo(k)fluoranthene	<0.023	ug/L	0.051	0.023	1	05/12/22 13:00	05/13/22 19:47	207-08-9	
Chrysene	<0.027	ug/L	0.051	0.027	1	05/12/22 13:00	05/13/22 19:47	218-01-9	
Dibenz(a,h)anthracene	0.093	ug/L	0.051	0.018	1	05/12/22 13:00	05/13/22 19:47	53-70-3	
Fluoranthene	<0.027	ug/L	0.051	0.027	1	05/12/22 13:00	05/13/22 19:47	206-44-0	
Fluorene	<0.024	ug/L	0.051	0.024	1	05/12/22 13:00	05/13/22 19:47	86-73-7	
Indeno(1,2,3-cd)pyrene	0.043J	ug/L	0.051	0.016	1	05/12/22 13:00	05/13/22 19:47	193-39-5	
1-Methylnaphthalene	<0.018	ug/L	0.051	0.018	1	05/12/22 13:00	05/13/22 19:47	90-12-0	
2-Methylnaphthalene	0.015J	ug/L	0.051	0.014	1	05/12/22 13:00	05/13/22 19:47	91-57-6	
Naphthalene	<0.020	ug/L	0.051	0.020	1	05/12/22 13:00	05/13/22 19:47	91-20-3	
Phenanthrene	<0.026	ug/L	0.051	0.026	1	05/12/22 13:00	05/13/22 19:47	85-01-8	
Pyrene	<0.023	ug/L	0.051	0.023	1	05/12/22 13:00	05/13/22 19:47	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	59	%	44-120		1	05/12/22 13:00	05/13/22 19:47	321-60-8	
Terphenyl-d14 (S)	61	%	49-120		1	05/12/22 13:00	05/13/22 19:47	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		05/16/22 12:18	71-43-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244708

Sample: 050922003 **Lab ID: 40244708003** Collected: 05/09/22 12:46 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/16/22 12:18	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/16/22 12:18	108-88-3	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/16/22 12:18	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/16/22 12:18	108-67-8	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/16/22 12:18	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/16/22 12:18	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/16/22 12:18	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1		05/16/22 12:18	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130		1		05/16/22 12:18	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		05/16/22 12:18	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	41.6	mg/L	10.0	2.2	5		05/19/22 21:45	14808-79-8	
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		05/17/22 13:40		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244708

QC Batch: 415762 Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244708001, 40244708002, 40244708003

METHOD BLANK: 2394006 Matrix: Water
Associated Lab Samples: 40244708001, 40244708002, 40244708003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	1.6J	2.8	05/17/22 08:53	

LABORATORY CONTROL SAMPLE & LCSD: 2394007 2394008

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Methane	ug/L	28.6	31.2	31.5	109	110	73-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2394015 2394016

Parameter	Units	40244709001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methane	ug/L	907	286	286	1740	1960	291	369	10-200	12	20	M1

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244708

QC Batch: 415799 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244708001, 40244708002, 40244708003

METHOD BLANK: 2394086 Matrix: Water
Associated Lab Samples: 40244708001, 40244708002, 40244708003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.066	0.20	05/17/22 08:02	

LABORATORY CONTROL SAMPLE: 2394087

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.1	103	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2394088 2394089

Parameter	Units	2394088		2394089		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Mercury	ug/L	<0.066	5	5	4.9	5.1	98	102	85-115	3	20	

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244708

QC Batch: 416293 Analysis Method: EPA 6020B
QC Batch Method: EPA 3010A Analysis Description: 6020B MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244708001, 40244708002, 40244708003

METHOD BLANK: 2396981 Matrix: Water
Associated Lab Samples: 40244708001, 40244708002, 40244708003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	<0.28	1.0	06/01/22 07:12	
Barium	ug/L	<0.70	2.3	06/01/22 07:12	
Cadmium	ug/L	<0.15	1.0	06/01/22 07:12	
Chromium	ug/L	<1.0	3.4	06/01/22 07:12	
Iron	ug/L	<58.0	250	06/01/22 07:12	
Lead	ug/L	<0.24	1.0	06/01/22 07:12	
Manganese	ug/L	<1.2	4.0	06/01/22 07:12	
Selenium	ug/L	<0.32	1.1	06/01/22 07:12	
Silver	ug/L	<0.13	0.50	06/01/22 07:12	

LABORATORY CONTROL SAMPLE: 2396982

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	259	104	80-120	
Barium	ug/L	250	259	104	80-120	
Cadmium	ug/L	250	272	109	80-120	
Chromium	ug/L	250	247	99	80-120	
Iron	ug/L	10000	10300	103	80-120	
Lead	ug/L	250	266	106	80-120	
Manganese	ug/L	250	258	103	80-120	
Selenium	ug/L	250	286	114	80-120	
Silver	ug/L	125	138	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2396983 2396984

Parameter	Units	40244708001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Arsenic	ug/L	0.56J	250	250	255	252	102	101	75-125	1	20	
Barium	ug/L	142	250	250	409	396	107	101	75-125	3	20	
Cadmium	ug/L	<0.15	250	250	251	249	100	99	75-125	1	20	
Chromium	ug/L	<1.0	250	250	244	239	97	95	75-125	2	20	
Iron	ug/L	<58.0	10000	10000	9750	9500	97	95	75-125	3	20	
Lead	ug/L	<0.24	250	250	280	272	112	109	75-125	3	20	
Manganese	ug/L	99.1	250	250	347	339	99	96	75-125	2	20	
Selenium	ug/L	15.3	250	250	280	276	106	104	75-125	1	20	
Silver	ug/L	<0.13	125	125	120	118	96	95	75-125	2	20	

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244708

QC Batch: 415516 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40244708002, 40244708003

METHOD BLANK: 2392207 Matrix: Water
Associated Lab Samples: 40244708002, 40244708003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	05/16/22 09:07	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	05/16/22 09:07	
Benzene	ug/L	<0.30	1.0	05/16/22 09:07	
Ethylbenzene	ug/L	<0.33	1.0	05/16/22 09:07	
m&p-Xylene	ug/L	<0.70	2.0	05/16/22 09:07	
o-Xylene	ug/L	<0.35	1.0	05/16/22 09:07	
Toluene	ug/L	<0.29	1.0	05/16/22 09:07	
Xylene (Total)	ug/L	<1.0	3.0	05/16/22 09:07	
1,2-Dichlorobenzene-d4 (S)	%	103	70-130	05/16/22 09:07	
4-Bromofluorobenzene (S)	%	106	70-130	05/16/22 09:07	
Toluene-d8 (S)	%	100	70-130	05/16/22 09:07	

LABORATORY CONTROL SAMPLE: 2392208

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	52.0	104	70-130	
Ethylbenzene	ug/L	50	54.9	110	80-120	
m&p-Xylene	ug/L	100	105	105	70-130	
o-Xylene	ug/L	50	52.1	104	70-130	
Toluene	ug/L	50	51.5	103	80-120	
Xylene (Total)	ug/L	150	157	105	70-130	
1,2-Dichlorobenzene-d4 (S)	%			106	70-130	
4-Bromofluorobenzene (S)	%			113	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2393444 2393445

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40244595001 Result	Spike Conc.	Spike Conc.	MS Result								
Benzene	ug/L	<0.30	50	50	54.1	53.1	108	106	70-130	2	20		
Ethylbenzene	ug/L	<0.33	50	50	56.3	56.1	113	112	80-121	0	20		
m&p-Xylene	ug/L	<0.70	100	100	110	110	110	110	70-130	0	20		
o-Xylene	ug/L	<0.35	50	50	53.0	53.1	106	106	70-130	0	20		
Toluene	ug/L	0.57J	50	50	53.7	53.9	106	107	80-120	0	20		
Xylene (Total)	ug/L	<1.0	150	150	163	163	109	108	70-130	0	20		
1,2-Dichlorobenzene-d4 (S)	%						102	103	70-130				
4-Bromofluorobenzene (S)	%						109	108	70-130				

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244708

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2393444 2393445												
Parameter	Units	40244595001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Toluene-d8 (S)	%							102	101	70-130		

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244708

QC Batch: 415979	Analysis Method: EPA 8260
QC Batch Method: EPA 8260	Analysis Description: 8260 MSV UST-WATER
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40244708001

METHOD BLANK: 2394985 Matrix: Water
Associated Lab Samples: 40244708001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	05/17/22 15:38	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	05/17/22 15:38	
Benzene	ug/L	<0.30	1.0	05/17/22 15:38	
Ethylbenzene	ug/L	<0.33	1.0	05/17/22 15:38	
m&p-Xylene	ug/L	<0.70	2.0	05/17/22 15:38	
o-Xylene	ug/L	<0.35	1.0	05/17/22 15:38	
Toluene	ug/L	<0.29	1.0	05/17/22 15:38	
Xylene (Total)	ug/L	<1.0	3.0	05/17/22 15:38	
1,2-Dichlorobenzene-d4 (S)	%	109	70-130	05/17/22 15:38	
4-Bromofluorobenzene (S)	%	111	70-130	05/17/22 15:38	
Toluene-d8 (S)	%	101	70-130	05/17/22 15:38	

LABORATORY CONTROL SAMPLE: 2394986

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	53.3	107	70-130	
Ethylbenzene	ug/L	50	56.1	112	80-120	
m&p-Xylene	ug/L	100	110	110	70-130	
o-Xylene	ug/L	50	52.3	105	70-130	
Toluene	ug/L	50	53.8	108	80-120	
Xylene (Total)	ug/L	150	162	108	70-130	
1,2-Dichlorobenzene-d4 (S)	%			104	70-130	
4-Bromofluorobenzene (S)	%			110	70-130	
Toluene-d8 (S)	%			101	70-130	

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244708

QC Batch: 415533 Analysis Method: EPA 8270E by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270E Water PAH
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40244708001, 40244708002

METHOD BLANK: 2392249 Matrix: Water
Associated Lab Samples: 40244708001, 40244708002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.018	0.050	05/13/22 10:11	
2-Methylnaphthalene	ug/L	<0.014	0.050	05/13/22 10:11	
Acenaphthene	ug/L	<0.014	0.050	05/13/22 10:11	
Acenaphthylene	ug/L	<0.013	0.050	05/13/22 10:11	
Anthracene	ug/L	<0.018	0.050	05/13/22 10:11	
Benzo(a)anthracene	ug/L	<0.014	0.050	05/13/22 10:11	
Benzo(a)pyrene	ug/L	<0.020	0.050	05/13/22 10:11	
Benzo(b)fluoranthene	ug/L	<0.020	0.050	05/13/22 10:11	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	05/13/22 10:11	
Benzo(k)fluoranthene	ug/L	<0.022	0.050	05/13/22 10:11	
Chrysene	ug/L	<0.027	0.050	05/13/22 10:11	
Dibenz(a,h)anthracene	ug/L	<0.018	0.050	05/13/22 10:11	
Fluoranthene	ug/L	<0.026	0.050	05/13/22 10:11	
Fluorene	ug/L	<0.024	0.050	05/13/22 10:11	
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	0.050	05/13/22 10:11	
Naphthalene	ug/L	<0.020	0.050	05/13/22 10:11	
Phenanthrene	ug/L	<0.026	0.050	05/13/22 10:11	
Pyrene	ug/L	<0.023	0.050	05/13/22 10:11	
2-Fluorobiphenyl (S)	%	62	44-120	05/13/22 10:11	
Terphenyl-d14 (S)	%	60	49-120	05/13/22 10:11	

LABORATORY CONTROL SAMPLE & LCSD: 2392250

Parameter	Units	Spike Conc.	2392251		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qualifiers
			LCS Result	LCSD Result						
1-Methylnaphthalene	ug/L	2	1.4	1.4	71	71	51-120	0	20	
2-Methylnaphthalene	ug/L	2	1.4	1.4	69	68	50-120	2	20	
Acenaphthene	ug/L	2	1.6	1.6	80	81	65-120	1	20	
Acenaphthylene	ug/L	2	1.5	1.5	77	76	61-120	1	20	
Anthracene	ug/L	2	1.6	1.5	80	75	61-104	6	20	
Benzo(a)anthracene	ug/L	2	1.6	1.4	79	70	51-96	12	20	
Benzo(a)pyrene	ug/L	2	1.7	1.6	86	81	68-120	5	20	
Benzo(b)fluoranthene	ug/L	2	1.7	1.6	84	80	55-97	4	20	
Benzo(g,h,i)perylene	ug/L	2	1.8	1.7	89	84	69-120	6	20	
Benzo(k)fluoranthene	ug/L	2	1.8	1.7	89	86	73-120	3	20	
Chrysene	ug/L	2	1.9	1.9	95	94	72-126	1	20	
Dibenz(a,h)anthracene	ug/L	2	1.9	1.9	97	93	57-115	4	20	
Fluoranthene	ug/L	2	1.6	1.5	81	77	58-111	5	20	
Fluorene	ug/L	2	1.6	1.6	78	78	62-120	0	20	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.8	1.7	90	85	66-120	6	20	

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244708

Parameter	Units	2392250		2392251		% Rec	LCS	LCS	% Rec	Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCS Result	LCS % Rec								
Naphthalene	ug/L	2	1.4	1.4	71	71	53-120		1	20			
Phenanthrene	ug/L	2	1.5	1.5	73	73	59-120		1	20			
Pyrene	ug/L	2	1.5	1.4	75	71	59-120		5	20			
2-Fluorobiphenyl (S)	%				77	69	44-120						
Terphenyl-d14 (S)	%				87	81	49-120						

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244708

QC Batch: 415600 Analysis Method: EPA 8270E by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270E Water PAH
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40244708003

METHOD BLANK: 2392664 Matrix: Water
Associated Lab Samples: 40244708003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.018	0.050	05/13/22 11:07	
2-Methylnaphthalene	ug/L	<0.014	0.050	05/13/22 11:07	
Acenaphthene	ug/L	<0.014	0.050	05/13/22 11:07	
Acenaphthylene	ug/L	<0.013	0.050	05/13/22 11:07	
Anthracene	ug/L	<0.018	0.050	05/13/22 11:07	
Benzo(a)anthracene	ug/L	<0.014	0.050	05/13/22 11:07	
Benzo(a)pyrene	ug/L	<0.020	0.050	05/13/22 11:07	
Benzo(b)fluoranthene	ug/L	<0.020	0.050	05/13/22 11:07	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	05/13/22 11:07	
Benzo(k)fluoranthene	ug/L	<0.022	0.050	05/13/22 11:07	
Chrysene	ug/L	<0.027	0.050	05/13/22 11:07	
Dibenz(a,h)anthracene	ug/L	<0.018	0.050	05/13/22 11:07	
Fluoranthene	ug/L	<0.026	0.050	05/13/22 11:07	
Fluorene	ug/L	<0.024	0.050	05/13/22 11:07	
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	0.050	05/13/22 11:07	
Naphthalene	ug/L	<0.020	0.050	05/13/22 11:07	
Phenanthrene	ug/L	<0.026	0.050	05/13/22 11:07	
Pyrene	ug/L	<0.023	0.050	05/13/22 11:07	
2-Fluorobiphenyl (S)	%	79	44-120	05/13/22 11:07	
Terphenyl-d14 (S)	%	73	49-120	05/13/22 11:07	

LABORATORY CONTROL SAMPLE: 2392665

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	1.4	70	51-120	
2-Methylnaphthalene	ug/L	2	1.4	69	50-120	
Acenaphthene	ug/L	2	1.6	82	65-120	
Acenaphthylene	ug/L	2	1.6	78	61-120	
Anthracene	ug/L	2	1.6	80	61-104	
Benzo(a)anthracene	ug/L	2	1.3	66	51-96	
Benzo(a)pyrene	ug/L	2	1.6	82	68-120	
Benzo(b)fluoranthene	ug/L	2	1.6	80	55-97	
Benzo(g,h,i)perylene	ug/L	2	1.6	78	69-120	
Benzo(k)fluoranthene	ug/L	2	1.8	89	73-120	
Chrysene	ug/L	2	2.0	101	72-126	
Dibenz(a,h)anthracene	ug/L	2	1.7	85	57-115	
Fluoranthene	ug/L	2	1.6	82	58-111	
Fluorene	ug/L	2	1.7	85	62-120	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.6	82	66-120	

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244708

LABORATORY CONTROL SAMPLE: 2392665

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	2	1.4	72	53-120	
Phenanthrene	ug/L	2	1.5	73	59-120	
Pyrene	ug/L	2	1.5	74	59-120	
2-Fluorobiphenyl (S)	%			71	44-120	
Terphenyl-d14 (S)	%			67	49-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2392666 2392667

Parameter	Units	40244709001		2392666		2392667		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
1-Methylnaphthalene	ug/L	<0.017	1.9	2	1.2	1.2	63	59	22-120	3	20		
2-Methylnaphthalene	ug/L	<0.013	1.9	2	1.1	1.1	59	56	18-120	1	20		
Acenaphthene	ug/L	<0.013	1.9	2	1.4	1.4	73	69	26-120	3	20		
Acenaphthylene	ug/L	<0.012	1.9	2	1.3	1.3	67	63	28-120	3	20		
Anthracene	ug/L	0.019J	1.9	2	1.5	1.4	74	70	19-124	2	20		
Benzo(a)anthracene	ug/L	<0.013	1.9	2	0.97	0.90	50	45	10-125	7	20		
Benzo(a)pyrene	ug/L	<0.019	1.9	2	1.5	1.4	77	72	11-134	3	20		
Benzo(b)fluoranthene	ug/L	<0.019	1.9	2	1.5	1.4	77	70	10-118	5	20		
Benzo(g,h,i)perylene	ug/L	<0.023	1.9	2	1.6	1.4	82	71	10-135	11	20		
Benzo(k)fluoranthene	ug/L	<0.022	1.9	2	1.7	1.5	86	76	17-136	9	20		
Chrysene	ug/L	<0.026	1.9	2	2.2	2.2	112	108	27-144	0	20		
Dibenz(a,h)anthracene	ug/L	<0.017	1.9	2	1.3	1.2	69	60	10-142	11	20		
Fluoranthene	ug/L	<0.025	1.9	2	1.5	1.5	79	74	26-129	3	20		
Fluorene	ug/L	<0.023	1.9	2	1.5	1.4	75	69	27-120	5	20		
Indeno(1,2,3-cd)pyrene	ug/L	<0.015	1.9	2	1.4	1.3	72	64	10-134	8	20		
Naphthalene	ug/L	<0.019	1.9	2	1.3	1.2	65	61	11-120	3	20		
Phenanthrene	ug/L	<0.025	1.9	2	1.3	1.3	68	63	23-120	4	20		
Pyrene	ug/L	<0.022	1.9	2	1.5	1.4	75	70	24-120	4	20		
2-Fluorobiphenyl (S)	%						60	57	44-120				
Terphenyl-d14 (S)	%						65	62	49-120				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244708

QC Batch: 416005 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40244708001, 40244708002, 40244708003

METHOD BLANK: 2395126 Matrix: Water
Associated Lab Samples: 40244708001, 40244708002, 40244708003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	05/18/22 11:32	

LABORATORY CONTROL SAMPLE: 2395127

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	21.3	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2395128 2395129

Parameter	Units	40244648001		2395128		2395129		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					MS % Rec
Sulfate	mg/L	295	400	400	400	720	755	106	115	90-110	5	15 M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2395130 2395131

Parameter	Units	40244709001		2395130		2395131		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					MS % Rec
Sulfate	mg/L	90.2	100	100	100	194	193	104	103	90-110	1	15

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244708

QC Batch: 415904 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244708001, 40244708002, 40244708003

METHOD BLANK: 2394699 Matrix: Water
Associated Lab Samples: 40244708001, 40244708002, 40244708003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.059	0.25	05/17/22 13:35	

LABORATORY CONTROL SAMPLE: 2394700

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2394701 2394702

Parameter	Units	40244709001		2394701		2394702		% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Result				
Nitrogen, NO2 plus NO3	mg/L	0.067J	2.5	2.5	2.3	2.3	91	91	90-110	0	20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2394703 2394704

Parameter	Units	40244711002		2394703		2394704		% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Result				
Nitrogen, NO2 plus NO3	mg/L	2.2	2.5	2.5	4.6	4.6	97	97	90-110	0	20

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244708

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: 415587
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.
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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244708

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40244708001	050922001	EPA 8015B Modified	415762		
40244708002	050922002	EPA 8015B Modified	415762		
40244708003	050922003	EPA 8015B Modified	415762		
40244708001	050922001	EPA 3010A	416293	EPA 6020B	416357
40244708002	050922002	EPA 3010A	416293	EPA 6020B	416357
40244708003	050922003	EPA 3010A	416293	EPA 6020B	416357
40244708001	050922001	EPA 7470	415799	EPA 7470	415843
40244708002	050922002	EPA 7470	415799	EPA 7470	415843
40244708003	050922003	EPA 7470	415799	EPA 7470	415843
40244708001	050922001	EPA 3510	415533	EPA 8270E by SIM	415587
40244708002	050922002	EPA 3510	415533	EPA 8270E by SIM	415587
40244708003	050922003	EPA 3510	415600	EPA 8270E by SIM	415622
40244708001	050922001	EPA 8260	415979		
40244708002	050922002	EPA 8260	415516		
40244708003	050922003	EPA 8260	415516		
40244708001	050922001	EPA 300.0	416005		
40244708002	050922002	EPA 300.0	416005		
40244708003	050922003	EPA 300.0	416005		
40244708001	050922001	EPA 353.2	415904		
40244708002	050922002	EPA 353.2	415904		
40244708003	050922003	EPA 353.2	415904		

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Pace

QC:AZ

COC 01253-522-001

40244708

CHAIN-OF-CUSTODY / Analytical Request Document

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

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

Section A

Required Client Information:

Company: Ramboll
 Address: 415A S 3rd St.
 Milwaukee, WI 53204
 Email: djlectord@ramboll.com
 Phone: 262-719-4512 Fax:
 Requested Due Date:

Section B

Required Project Information:

Report To: ~~Clasford, Doreen~~ **GD'S DATA @ RAMBOLL**
 Copy To:
 Purchase Order #:
 Project Name: Green Bay MGP
 Project #: 1940101253

Section C

Invoice Information:

Company Name: WEC
 Address: **PO BOX 19800 GREEN BAY, WI 54307**
 Pace Quote:
 Pace Project Manager: brian.basten@pacelabs.com,
 Pace Profile #: 4543 / 15

Page: 2 of 3

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Other OT Tissue TS	CODE DW WT WW P SL OL WP AR OT TS	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	
				START DATE	END DATE			UNPRESERVED	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analytes Test Y/N	BTEX+TMB's 8260	PAH by 8270 SIM (low vol)	Metals by 6020 / 7470	Nitrate + Nitrite	Sulfate	Trip BLANK	METABOLITE				
																								DATE	TIME		DATE
1	051022013	WT	G	5102	829		11	X	X	X	X					X	X	X	X	X	X	X					1
2	051022014				906		11	X	X	X	X					X	X	X	X	X	X	X					1
3	851022015				910		11	X	X	X	X					X	X	X	X	X	X	X					1
4	051022016				950		11	X	X	X	X					X	X	X	X	X	X	X					2
5	051022017				1037		11	X	X	X	X					X	X	X	X	X	X	X					2
6	051022018				1122		11	X	X	X	X					X	X	X	X	X	X	X					2
7	051022019				1248		11	X	X	X	X					X	X	X	X	X	X	X					2
8	051022020				1513		11	X	X	X	X					X	X	X	X	X	X	X					4
9	051022021				1410		11	X	X	X	X					X	X	X	X	X	X	X					4
10	051022022				1523		11	X	X	X	X					X	X	X	X	X	X	X					1
11	051022023				1610		11	X	X	X	X					X	X	X	X	X	X	X					1
12	051022024				1708		11	X	X	X	X					X	X	X	X	X	X	X					1

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
	Y	N			Y	N			Y	N	Y	
level 2		Received RAMBOLL	5-11-22	740	Mpau	MHS/11/22	5/10/22	2070	3545	Y	N	Y
s,Ba,Cd,Cr,Pb,Hg,Se,Ag,Fe,Mn									45,5			

PALB
DROP OFF

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER:
 SIGNATURE of SAMPLER:
 DATE Signed:

TEMP in C
 Received on Ice (Y/N)
 Custody Sealed (Y/N)
 Cooler (Y/N)
 Samples Intact (Y/N)

Client Name: Ramboll Sample Preservation Receipt Form
 Project # 40244708

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

Initial when completed: skw Date/Time:

Lab Lot# of pH paper: 10D31A 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	JG9U	JG9U	WG9U	WPFU								SP5T	ZPLC	GN																								
001						9			1							6												X			X		2.5 / 5 / 10																								
002						9			1							6												X			X		2.5 / 5 / 10																								
003						9			1							6												X			X		2.5 / 5 / 10																								
004	/																																																								2.5 / 5 / 10
005	/																																																								2.5 / 5 / 10
006	/																																																								2.5 / 5 / 10
007	/																																																								2.5 / 5 / 10
008	/																																																								2.5 / 5 / 10
009	/																																																								2.5 / 5 / 10
010	/																																																								2.5 / 5 / 10
011	/																																																								2.5 / 5 / 10
012	/																																																								2.5 / 5 / 10
013	/																																																								2.5 / 5 / 10
014	/																																																								2.5 / 5 / 10
015	/																																																								2.5 / 5 / 10
016	/																																																								2.5 / 5 / 10
017	/																																																								2.5 / 5 / 10
018	/																																																								2.5 / 5 / 10
019	/																																																								2.5 / 5 / 10
020	/																																																								2.5 / 5 / 10

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

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9A	40 mL clear ascorbic	JG9U	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WG9U	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG5U	100 mL amber glass unpres			VG9D	40 mL clear vial DI	ZPLC	ziploc bag
AG2S	500 mL amber glass H2SO4					GN	
BG3U	250 mL clear glass unpres						

Sample Condition Upon Receipt Form (SCUR)

Client Name: Ramboll
 Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____

Project #: **WO# : 40244708**

 40244708

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 - 110 Type of Ice: Blue Dry None Samples on ice, cooling process has begun
 Cooler Temperature 3.5, 4.5, 4.5, 5 Corr: 3.5, 4.5, 4.5, 5
 Temp Blank Present: yes no Biological Tissue is Frozen: yes no
 Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:
 Date: 5/1/22 /Initials: SEC
 Labeled By Initials: ALJ

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<u>5/1/22</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>Filter</u>
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<u>5/1/22</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

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

June 07, 2022

Staci Goetz
Ramboll US Consulting, Inc.
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204

RE: Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

Dear Staci Goetz:

Enclosed are the analytical results for sample(s) received by the laboratory on May 11, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

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

Sincerely,



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

Enclosures

cc: Phil Brochocki, Ramboll
NRT Data, Ramboll
Eric Hritsuk, Ramboll
Kyle Schaefer, Ramboll Americas
Dan Vachon, Ramboll



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40244709001	050922004	Water	05/09/22 14:08	05/11/22 07:40
40244709002	050922005	Water	05/09/22 15:08	05/11/22 07:40
40244709003	050922006	Water	05/09/22 16:09	05/11/22 07:40
40244709004	050922007	Water	05/09/22 16:37	05/11/22 07:40
40244709005	050922008	Water	05/09/22 17:14	05/11/22 07:40
40244709006	050922009	Water	05/09/22 17:20	05/11/22 07:40
40244709007	050922010	Water	05/09/22 17:45	05/11/22 07:40
40244709008	051022011	Water	05/10/22 07:14	05/11/22 07:40
40244709009	051022012	Water	05/10/22 07:39	05/11/22 07:40
40244709010	051022013	Water	05/10/22 08:29	05/11/22 07:40
40244709011	051022014	Water	05/10/22 09:06	05/11/22 07:40
40244709012	051022015	Water	05/10/22 09:10	05/11/22 07:40
40244709013	051022022	Water	05/10/22 15:23	05/11/22 07:40
40244709014	051022023	Water	05/10/22 16:10	05/11/22 07:40
40244709015	051022024	Water	05/10/22 17:08	05/11/22 07:40
40244709016	051022025	Water	05/10/22 17:30	05/11/22 07:40
40244709017	051022026	Water	05/10/22 00:00	05/11/22 07:40
40244709018	051022027	Water	05/10/22 00:00	05/11/22 07:40

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40244709001	050922004	EPA 8015B Modified	KHB	1
		EPA 6020B	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	EIB	11
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40244709002	050922005	EPA 8015B Modified	KHB	1
		EPA 6020B	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	EIB	11
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40244709003	050922006	EPA 8015B Modified	KHB	1
		EPA 6020B	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	EIB	11
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40244709004	050922007	EPA 8015B Modified	KHB	1
		EPA 6020B	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	EIB	11
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40244709005	050922008	EPA 8015B Modified	KHB	1
		EPA 6020B	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	EIB	11
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40244709006	050922009	EPA 8015B Modified	KHB	1
		EPA 6020B	KXS	9

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7470	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	EIB	11
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40244709007	050922010	EPA 6020B	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	EIB	11
40244709008	051022011	EPA 8015B Modified	KHB	1
		EPA 6020B	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	EIB	11
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40244709009	051022012	EPA 8015B Modified	KHB	1
		EPA 6020B	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	EIB	11
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40244709010	051022013	EPA 8015B Modified	KHB	1
		EPA 6020B	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	EIB	11
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40244709011	051022014	EPA 8015B Modified	KHB	1
		EPA 6020B	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	EIB	11
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40244709012	051022015	EPA 8015B Modified	KHB	1
		EPA 6020B	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	EIB	11
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40244709013	051022022	EPA 8015B Modified	KHB	1
		EPA 6020B	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	EIB	11
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40244709014	051022023	EPA 8015B Modified	KHB	1
		EPA 6020B	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	EIB	11
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40244709015	051022024	EPA 8015B Modified	KHB	1
		EPA 6020B	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	EIB	11
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40244709016	051022025	EPA 6020B	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	EIB	11
40244709017	051022026	EPA 8260	JAV	11
40244709018	051022027	EPA 8260	JAV	11

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Method: EPA 8015B Modified

Description: Methane, Ethane, Ethene GCV

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

Date: June 07, 2022

General Information:

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

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Surrogates:

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

Method Blank:

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

QC Batch: 415762

B: Analyte was detected in the associated method blank.

- BLANK for HBN 415762 [GCV/2131 (Lab ID: 2394006)
- Methane

QC Batch: 416045

B: Analyte was detected in the associated method blank.

- BLANK for HBN 416045 [GCV/2131 (Lab ID: 2395458)
- Methane

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: 415762

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40244709001

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

- MS (Lab ID: 2394015)
 - Methane
- MSD (Lab ID: 2394016)
 - Methane

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Method: EPA 8015B Modified

Description: Methane, Ethane, Ethene GCV

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

Date: June 07, 2022

QC Batch: 416045

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40244697006

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

- MSD (Lab ID: 2395462)
 - Methane

Additional Comments:

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Method: EPA 6020B

Description: 6020B MET ICPMS

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

Date: June 07, 2022

General Information:

16 samples were analyzed for EPA 6020B by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Method Blank:

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

QC Batch: 415498

B: Analyte was detected in the associated method blank.

- BLANK for HBN 415498 [MPRP/271 (Lab ID: 2392144)]
 - Chromium
 - Iron
 - Lead

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: 415498

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

- 050922004 (Lab ID: 40244709001)
 - Silver
 - Arsenic

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

Method: EPA 6020B
Description: 6020B MET ICPMS
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: June 07, 2022

Analyte Comments:

QC Batch: 415498

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

- 050922004 (Lab ID: 40244709001)
 - Cadmium
 - Chromium
 - Lead
 - Selenium
- 050922005 (Lab ID: 40244709002)
 - Silver
 - Arsenic
 - Cadmium
 - Chromium
 - Lead
 - Selenium
- 050922006 (Lab ID: 40244709003)
 - Silver
 - Barium
 - Cadmium
 - Chromium
 - Iron
 - Manganese
 - Lead
- 050922007 (Lab ID: 40244709004)
 - Silver
 - Arsenic
 - Cadmium
 - Chromium
 - Iron
 - Lead
 - Selenium
- 050922008 (Lab ID: 40244709005)
 - Silver
 - Arsenic
 - Cadmium
 - Chromium
 - Lead
 - Selenium
- 050922009 (Lab ID: 40244709006)
 - Silver
 - Arsenic
 - Cadmium
 - Lead
 - Selenium
- 051022011 (Lab ID: 40244709008)
 - Silver

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

Method: EPA 6020B
Description: 6020B MET ICPMS
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: June 07, 2022

Analyte Comments:

QC Batch: 415498

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

- 051022011 (Lab ID: 40244709008)
 - Cadmium
 - Chromium
 - Selenium
- 051022012 (Lab ID: 40244709009)
 - Silver
 - Arsenic
 - Cadmium
 - Chromium
 - Iron
 - Lead
 - Selenium
- 051022013 (Lab ID: 40244709010)
 - Silver
 - Cadmium
 - Chromium
 - Selenium
- 051022014 (Lab ID: 40244709011)
 - Silver
 - Cadmium
 - Chromium
 - Lead
 - Selenium
- 051022015 (Lab ID: 40244709012)
 - Silver
 - Cadmium
 - Chromium
 - Lead
 - Selenium
- 051022022 (Lab ID: 40244709013)
 - Silver
 - Arsenic
 - Cadmium
 - Chromium
 - Lead
 - Selenium
- 051022023 (Lab ID: 40244709014)
 - Silver
 - Arsenic
 - Cadmium
 - Chromium
 - Iron
 - Lead

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Method: EPA 6020B

Description: 6020B MET ICPMS

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

Date: June 07, 2022

Analyte Comments:

QC Batch: 415498

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

- 051022023 (Lab ID: 40244709014)
 - Selenium
- 051022024 (Lab ID: 40244709015)
 - Silver
 - Arsenic
 - Cadmium
 - Chromium
 - Lead
 - Selenium

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Method: EPA 7470

Description: 7470 Mercury

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

Date: June 07, 2022

General Information:

16 samples were analyzed for EPA 7470 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 7470 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:

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Method: EPA 8270E by SIM

Description: 8270E MSSV PAH

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

Date: June 07, 2022

General Information:

16 samples were analyzed for EPA 8270E by SIM by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

QC Batch: 415663

S0: Surrogate recovery outside laboratory control limits.

- 051022011 (Lab ID: 40244709008)
 - 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.

QC Batch: 415663

R1: RPD value was outside control limits.

- LCSD (Lab ID: 2393066)
 - Dibenz(a,h)anthracene

Matrix Spikes:

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

QC Batch: 415663

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

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Method: EPA 8270E by SIM

Description: 8270E MSSV PAH

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

Date: June 07, 2022

Additional Comments:

Analyte Comments:

QC Batch: 415663

1q: There was no chance to reextract within sample hold time

- 051022011 (Lab ID: 40244709008)
 - 2-Fluorobiphenyl (S)
 - Terphenyl-d14 (S)

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Method: EPA 8260

Description: 8260 MSV UST

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

Date: June 07, 2022

General Information:

18 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.

QC Batch: 415624

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

- LCS (Lab ID: 2392883)
- Ethylbenzene

Matrix Spikes:

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

QC Batch: 415624

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40244767001

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

- MS (Lab ID: 2393448)
- Ethylbenzene

Additional Comments:

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

Method: EPA 300.0
Description: 300.0 IC Anions
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: June 07, 2022

General Information:

14 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: 416005

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40244648001,40244709001

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

- MSD (Lab ID: 2395129)
- Sulfate

QC Batch: 416146

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40244709004,40244738001

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

- MS (Lab ID: 2396066)
- Sulfate

Additional Comments:

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Method: EPA 353.2

Description: 353.2 Nitrogen, NO₂/NO₃ pres.

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

Date: June 07, 2022

General Information:

14 samples were analyzed for EPA 353.2 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Additional Comments:

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

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

Sample: 050922004 **Lab ID: 40244709001** Collected: 05/09/22 14:08 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	907	ug/L	28.0	5.8	10		05/17/22 13:19	74-82-8	M1
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Arsenic	1.5J	ug/L	2.0	0.56	2	05/12/22 05:47	06/04/22 00:14	7440-38-2	D3
Barium	249	ug/L	4.7	1.4	2	05/12/22 05:47	06/04/22 00:14	7440-39-3	
Cadmium	<0.30	ug/L	2.0	0.30	2	05/12/22 05:47	06/04/22 00:14	7440-43-9	D3
Chromium	3.5J	ug/L	6.8	2.0	2	05/12/22 05:47	06/07/22 02:21	7440-47-3	B,D3
Iron	6700	ug/L	500	116	2	05/12/22 05:47	06/04/22 00:14	7439-89-6	
Lead	0.91J	ug/L	2.0	0.47	2	05/12/22 05:47	06/04/22 00:14	7439-92-1	B,D3
Manganese	396	ug/L	8.1	2.4	2	05/12/22 05:47	06/04/22 00:14	7439-96-5	
Selenium	<0.63	ug/L	2.1	0.63	2	05/12/22 05:47	06/04/22 00:14	7782-49-2	D3
Silver	<0.25	ug/L	1.0	0.25	2	05/12/22 05:47	06/04/22 00:14	7440-22-4	D3
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay									
Mercury	<0.066	ug/L	0.20	0.066	1	05/20/22 08:40	05/23/22 07:49	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	<0.013	ug/L	0.049	0.013	1	05/12/22 13:00	05/13/22 18:51	83-32-9	
Acenaphthylene	<0.012	ug/L	0.049	0.012	1	05/12/22 13:00	05/13/22 18:51	208-96-8	
Anthracene	0.019J	ug/L	0.049	0.018	1	05/12/22 13:00	05/13/22 18:51	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.049	0.013	1	05/12/22 13:00	05/13/22 18:51	56-55-3	
Benzo(a)pyrene	<0.019	ug/L	0.049	0.019	1	05/12/22 13:00	05/13/22 18:51	50-32-8	
Benzo(b)fluoranthene	<0.019	ug/L	0.049	0.019	1	05/12/22 13:00	05/13/22 18:51	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.049	0.023	1	05/12/22 13:00	05/13/22 18:51	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.049	0.022	1	05/12/22 13:00	05/13/22 18:51	207-08-9	
Chrysene	<0.026	ug/L	0.049	0.026	1	05/12/22 13:00	05/13/22 18:51	218-01-9	
Dibenz(a,h)anthracene	<0.017	ug/L	0.049	0.017	1	05/12/22 13:00	05/13/22 18:51	53-70-3	
Fluoranthene	<0.025	ug/L	0.049	0.025	1	05/12/22 13:00	05/13/22 18:51	206-44-0	
Fluorene	<0.023	ug/L	0.049	0.023	1	05/12/22 13:00	05/13/22 18:51	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.049	0.015	1	05/12/22 13:00	05/13/22 18:51	193-39-5	
1-Methylnaphthalene	<0.017	ug/L	0.049	0.017	1	05/12/22 13:00	05/13/22 18:51	90-12-0	
2-Methylnaphthalene	<0.013	ug/L	0.049	0.013	1	05/12/22 13:00	05/13/22 18:51	91-57-6	
Naphthalene	<0.019	ug/L	0.049	0.019	1	05/12/22 13:00	05/13/22 18:51	91-20-3	
Phenanthrene	<0.025	ug/L	0.049	0.025	1	05/12/22 13:00	05/13/22 18:51	85-01-8	
Pyrene	<0.022	ug/L	0.049	0.022	1	05/12/22 13:00	05/13/22 18:51	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	64	%	44-120		1	05/12/22 13:00	05/13/22 18:51	321-60-8	
Terphenyl-d14 (S)	69	%	49-120		1	05/12/22 13:00	05/13/22 18:51	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		05/12/22 22:01	71-43-2	

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Sample: 050922004 **Lab ID: 40244709001** Collected: 05/09/22 14:08 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/12/22 22:01	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/12/22 22:01	108-88-3	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/12/22 22:01	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/12/22 22:01	108-67-8	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/12/22 22:01	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/12/22 22:01	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/12/22 22:01	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		05/12/22 22:01	2037-26-5	
4-Bromofluorobenzene (S)	111	%	70-130		1		05/12/22 22:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		05/12/22 22:01	2199-69-1	

300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	90.2	mg/L	10.0	2.2	5		05/19/22 22:44	14808-79-8	

353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.067J	mg/L	0.25	0.059	1		05/17/22 13:40		

Sample: 050922005 **Lab ID: 40244709002** Collected: 05/09/22 15:08 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	2580	ug/L	70.0	14.4	25		05/17/22 13:26	74-82-8	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Arsenic	1.5J	ug/L	2.0	0.56	2	05/12/22 05:47	06/03/22 23:29	7440-38-2	D3
Barium	125	ug/L	4.7	1.4	2	05/12/22 05:47	06/03/22 23:29	7440-39-3	
Cadmium	<0.30	ug/L	2.0	0.30	2	05/12/22 05:47	06/03/22 23:29	7440-43-9	D3
Chromium	<2.0	ug/L	6.8	2.0	2	05/12/22 05:47	06/07/22 02:50	7440-47-3	D3
Iron	13600	ug/L	500	116	2	05/12/22 05:47	06/03/22 23:29	7439-89-6	
Lead	0.55J	ug/L	2.0	0.47	2	05/12/22 05:47	06/03/22 23:29	7439-92-1	B,D3
Manganese	270	ug/L	8.1	2.4	2	05/12/22 05:47	06/03/22 23:29	7439-96-5	
Selenium	<0.63	ug/L	2.1	0.63	2	05/12/22 05:47	06/03/22 23:29	7782-49-2	D3
Silver	<0.25	ug/L	1.0	0.25	2	05/12/22 05:47	06/03/22 23:29	7440-22-4	D3
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay									
Mercury	<0.066	ug/L	0.20	0.066	1	05/20/22 08:40	05/23/22 08:01	7439-97-6	

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Sample: 050922005 **Lab ID: 40244709002** Collected: 05/09/22 15:08 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.013	ug/L	0.048	0.013	1	05/12/22 13:00	05/13/22 20:05	83-32-9	
Acenaphthylene	<0.012	ug/L	0.048	0.012	1	05/12/22 13:00	05/13/22 20:05	208-96-8	
Anthracene	<0.018	ug/L	0.048	0.018	1	05/12/22 13:00	05/13/22 20:05	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.048	0.013	1	05/12/22 13:00	05/13/22 20:05	56-55-3	
Benzo(a)pyrene	<0.019	ug/L	0.048	0.019	1	05/12/22 13:00	05/13/22 20:05	50-32-8	
Benzo(b)fluoranthene	<0.019	ug/L	0.048	0.019	1	05/12/22 13:00	05/13/22 20:05	205-99-2	
Benzo(g,h,i)perylene	<0.022	ug/L	0.048	0.022	1	05/12/22 13:00	05/13/22 20:05	191-24-2	
Benzo(k)fluoranthene	<0.021	ug/L	0.048	0.021	1	05/12/22 13:00	05/13/22 20:05	207-08-9	
Chrysene	<0.025	ug/L	0.048	0.025	1	05/12/22 13:00	05/13/22 20:05	218-01-9	
Dibenz(a,h)anthracene	0.035J	ug/L	0.048	0.017	1	05/12/22 13:00	05/13/22 20:05	53-70-3	
Fluoranthene	<0.025	ug/L	0.048	0.025	1	05/12/22 13:00	05/13/22 20:05	206-44-0	
Fluorene	<0.022	ug/L	0.048	0.022	1	05/12/22 13:00	05/13/22 20:05	86-73-7	
Indeno(1,2,3-cd)pyrene	0.019J	ug/L	0.048	0.015	1	05/12/22 13:00	05/13/22 20:05	193-39-5	
1-Methylnaphthalene	<0.017	ug/L	0.048	0.017	1	05/12/22 13:00	05/13/22 20:05	90-12-0	
2-Methylnaphthalene	<0.013	ug/L	0.048	0.013	1	05/12/22 13:00	05/13/22 20:05	91-57-6	
Naphthalene	<0.019	ug/L	0.048	0.019	1	05/12/22 13:00	05/13/22 20:05	91-20-3	
Phenanthrene	<0.024	ug/L	0.048	0.024	1	05/12/22 13:00	05/13/22 20:05	85-01-8	
Pyrene	<0.022	ug/L	0.048	0.022	1	05/12/22 13:00	05/13/22 20:05	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	67	%	44-120		1	05/12/22 13:00	05/13/22 20:05	321-60-8	
Terphenyl-d14 (S)	67	%	49-120		1	05/12/22 13:00	05/13/22 20:05	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		05/12/22 22:21	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/12/22 22:21	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/12/22 22:21	108-88-3	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/12/22 22:21	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/12/22 22:21	108-67-8	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/12/22 22:21	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/12/22 22:21	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/12/22 22:21	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1		05/12/22 22:21	2037-26-5	
4-Bromofluorobenzene (S)	108	%	70-130		1		05/12/22 22:21	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		05/12/22 22:21	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	52.1	mg/L	10.0	2.2	5		05/19/22 23:29	14808-79-8	
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		05/17/22 13:42		

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Sample: 050922006 **Lab ID: 40244709003** Collected: 05/09/22 16:09 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	13.8	ug/L	2.8	0.58	1		05/17/22 11:07	74-82-8	B
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Arsenic	39.8	ug/L	2.0	0.56	2	05/12/22 05:47	06/04/22 00:43	7440-38-2	
Barium	3.6J	ug/L	4.7	1.4	2	05/12/22 05:47	06/04/22 00:43	7440-39-3	D3
Cadmium	<0.30	ug/L	2.0	0.30	2	05/12/22 05:47	06/04/22 00:43	7440-43-9	D3
Chromium	<2.0	ug/L	6.8	2.0	2	05/12/22 05:47	06/07/22 03:19	7440-47-3	D3
Iron	157J	ug/L	500	116	2	05/12/22 05:47	06/04/22 00:43	7439-89-6	B,D3
Lead	1.9J	ug/L	2.0	0.47	2	05/12/22 05:47	06/04/22 00:43	7439-92-1	B,D3
Manganese	3.2J	ug/L	8.1	2.4	2	05/12/22 05:47	06/04/22 00:43	7439-96-5	D3
Selenium	2.3	ug/L	2.1	0.63	2	05/12/22 05:47	06/04/22 00:43	7782-49-2	
Silver	<0.25	ug/L	1.0	0.25	2	05/12/22 05:47	06/04/22 00:43	7440-22-4	D3
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay									
Mercury	<0.066	ug/L	0.20	0.066	1	05/20/22 08:40	05/23/22 08:03	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	0.28	ug/L	0.052	0.014	1	05/12/22 13:00	05/13/22 20:24	83-32-9	
Acenaphthylene	0.16	ug/L	0.052	0.013	1	05/12/22 13:00	05/13/22 20:24	208-96-8	
Anthracene	0.092	ug/L	0.052	0.019	1	05/12/22 13:00	05/13/22 20:24	120-12-7	
Benzo(a)anthracene	<0.014	ug/L	0.052	0.014	1	05/12/22 13:00	05/13/22 20:24	56-55-3	
Benzo(a)pyrene	<0.020	ug/L	0.052	0.020	1	05/12/22 13:00	05/13/22 20:24	50-32-8	
Benzo(b)fluoranthene	0.13	ug/L	0.052	0.020	1	05/12/22 13:00	05/13/22 20:24	205-99-2	
Benzo(g,h,i)perylene	0.13	ug/L	0.052	0.024	1	05/12/22 13:00	05/13/22 20:24	191-24-2	
Benzo(k)fluoranthene	0.076	ug/L	0.052	0.023	1	05/12/22 13:00	05/13/22 20:24	207-08-9	
Chrysene	0.19	ug/L	0.052	0.027	1	05/12/22 13:00	05/13/22 20:24	218-01-9	
Dibenz(a,h)anthracene	0.038J	ug/L	0.052	0.018	1	05/12/22 13:00	05/13/22 20:24	53-70-3	
Fluoranthene	0.16	ug/L	0.052	0.027	1	05/12/22 13:00	05/13/22 20:24	206-44-0	
Fluorene	0.10	ug/L	0.052	0.024	1	05/12/22 13:00	05/13/22 20:24	86-73-7	
Indeno(1,2,3-cd)pyrene	0.087	ug/L	0.052	0.016	1	05/12/22 13:00	05/13/22 20:24	193-39-5	
1-Methylnaphthalene	0.96	ug/L	0.052	0.018	1	05/12/22 13:00	05/13/22 20:24	90-12-0	
2-Methylnaphthalene	0.097	ug/L	0.052	0.014	1	05/12/22 13:00	05/13/22 20:24	91-57-6	
Naphthalene	0.90	ug/L	0.052	0.021	1	05/12/22 13:00	05/13/22 20:24	91-20-3	
Phenanthrene	0.23	ug/L	0.052	0.026	1	05/12/22 13:00	05/13/22 20:24	85-01-8	
Pyrene	0.21	ug/L	0.052	0.023	1	05/12/22 13:00	05/13/22 20:24	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	66	%	44-120		1	05/12/22 13:00	05/13/22 20:24	321-60-8	
Terphenyl-d14 (S)	65	%	49-120		1	05/12/22 13:00	05/13/22 20:24	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	108	ug/L	1.0	0.30	1		05/13/22 00:03	71-43-2	

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Sample: 050922006 **Lab ID: 40244709003** Collected: 05/09/22 16:09 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Ethylbenzene	11.5	ug/L	1.0	0.33	1		05/13/22 00:03	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/13/22 00:03	108-88-3	
1,2,4-Trimethylbenzene	0.94J	ug/L	1.0	0.45	1		05/13/22 00:03	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/13/22 00:03	108-67-8	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/13/22 00:03	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/13/22 00:03	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/13/22 00:03	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		05/13/22 00:03	2037-26-5	
4-Bromofluorobenzene (S)	112	%	70-130		1		05/13/22 00:03	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		05/13/22 00:03	2199-69-1	

300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	105	mg/L	10.0	2.2	5		05/19/22 23:44	14808-79-8	

353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.69	mg/L	0.25	0.059	1		05/17/22 13:43		

Sample: 050922007 **Lab ID: 40244709004** Collected: 05/09/22 16:37 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	1.1J	ug/L	2.8	0.58	1		05/17/22 11:14	74-82-8	B
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Arsenic	0.57J	ug/L	2.0	0.56	2	05/12/22 05:47	06/04/22 00:50	7440-38-2	D3
Barium	26.8	ug/L	4.7	1.4	2	05/12/22 05:47	06/04/22 00:50	7440-39-3	
Cadmium	<0.30	ug/L	2.0	0.30	2	05/12/22 05:47	06/04/22 00:50	7440-43-9	D3
Chromium	<2.0	ug/L	6.8	2.0	2	05/12/22 05:47	06/07/22 03:27	7440-47-3	D3
Iron	<116	ug/L	500	116	2	05/12/22 05:47	06/04/22 00:50	7439-89-6	D3
Lead	0.93J	ug/L	2.0	0.47	2	05/12/22 05:47	06/04/22 00:50	7439-92-1	B,D3
Manganese	147	ug/L	8.1	2.4	2	05/12/22 05:47	06/04/22 00:50	7439-96-5	
Selenium	<0.63	ug/L	2.1	0.63	2	05/12/22 05:47	06/04/22 00:50	7782-49-2	D3
Silver	<0.25	ug/L	1.0	0.25	2	05/12/22 05:47	06/04/22 00:50	7440-22-4	D3
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury	<0.066	ug/L	0.20	0.066	1	05/20/22 08:40	05/23/22 08:06	7439-97-6	

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Sample: 050922007 **Lab ID: 40244709004** Collected: 05/09/22 16:37 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.014	ug/L	0.050	0.014	1	05/12/22 13:00	05/13/22 20:42	83-32-9	
Acenaphthylene	0.020J	ug/L	0.050	0.013	1	05/12/22 13:00	05/13/22 20:42	208-96-8	
Anthracene	0.094	ug/L	0.050	0.019	1	05/12/22 13:00	05/13/22 20:42	120-12-7	
Benzo(a)anthracene	<0.014	ug/L	0.050	0.014	1	05/12/22 13:00	05/13/22 20:42	56-55-3	
Benzo(a)pyrene	0.24	ug/L	0.050	0.020	1	05/12/22 13:00	05/13/22 20:42	50-32-8	
Benzo(b)fluoranthene	0.62	ug/L	0.050	0.020	1	05/12/22 13:00	05/13/22 20:42	205-99-2	
Benzo(g,h,i)perylene	0.54	ug/L	0.050	0.023	1	05/12/22 13:00	05/13/22 20:42	191-24-2	
Benzo(k)fluoranthene	0.21	ug/L	0.050	0.022	1	05/12/22 13:00	05/13/22 20:42	207-08-9	
Chrysene	0.34	ug/L	0.050	0.027	1	05/12/22 13:00	05/13/22 20:42	218-01-9	
Dibenz(a,h)anthracene	0.13	ug/L	0.050	0.018	1	05/12/22 13:00	05/13/22 20:42	53-70-3	
Fluoranthene	0.52	ug/L	0.050	0.026	1	05/12/22 13:00	05/13/22 20:42	206-44-0	
Fluorene	<0.024	ug/L	0.050	0.024	1	05/12/22 13:00	05/13/22 20:42	86-73-7	
Indeno(1,2,3-cd)pyrene	0.35	ug/L	0.050	0.016	1	05/12/22 13:00	05/13/22 20:42	193-39-5	
1-Methylnaphthalene	<0.018	ug/L	0.050	0.018	1	05/12/22 13:00	05/13/22 20:42	90-12-0	
2-Methylnaphthalene	<0.014	ug/L	0.050	0.014	1	05/12/22 13:00	05/13/22 20:42	91-57-6	
Naphthalene	<0.020	ug/L	0.050	0.020	1	05/12/22 13:00	05/13/22 20:42	91-20-3	
Phenanthrene	0.15	ug/L	0.050	0.026	1	05/12/22 13:00	05/13/22 20:42	85-01-8	
Pyrene	0.40	ug/L	0.050	0.023	1	05/12/22 13:00	05/13/22 20:42	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	67	%	44-120		1	05/12/22 13:00	05/13/22 20:42	321-60-8	
Terphenyl-d14 (S)	65	%	49-120		1	05/12/22 13:00	05/13/22 20:42	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		05/13/22 00:24	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/13/22 00:24	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/13/22 00:24	108-88-3	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/13/22 00:24	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/13/22 00:24	108-67-8	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/13/22 00:24	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/13/22 00:24	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/13/22 00:24	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1		05/13/22 00:24	2037-26-5	
4-Bromofluorobenzene (S)	110	%	70-130		1		05/13/22 00:24	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		05/13/22 00:24	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	252	mg/L	100	22.2	50		05/20/22 15:03	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.65	mg/L	0.25	0.059	1		05/17/22 13:44		

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

Sample: 050922008 **Lab ID: 40244709005** Collected: 05/09/22 17:14 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	9710	ug/L	140	28.8	50		05/17/22 13:33	74-82-8	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Arsenic	1.7J	ug/L	2.0	0.56	2	05/12/22 05:47	06/04/22 00:58	7440-38-2	D3
Barium	305	ug/L	4.7	1.4	2	05/12/22 05:47	06/04/22 00:58	7440-39-3	
Cadmium	<0.30	ug/L	2.0	0.30	2	05/12/22 05:47	06/04/22 00:58	7440-43-9	D3
Chromium	5.7J	ug/L	6.8	2.0	2	05/12/22 05:47	06/07/22 03:34	7440-47-3	B,D3
Iron	4880	ug/L	500	116	2	05/12/22 05:47	06/04/22 00:58	7439-89-6	
Lead	1.1J	ug/L	2.0	0.47	2	05/12/22 05:47	06/04/22 00:58	7439-92-1	B,D3
Manganese	897	ug/L	8.1	2.4	2	05/12/22 05:47	06/04/22 00:58	7439-96-5	
Selenium	<0.63	ug/L	2.1	0.63	2	05/12/22 05:47	06/04/22 00:58	7782-49-2	D3
Silver	<0.25	ug/L	1.0	0.25	2	05/12/22 05:47	06/04/22 00:58	7440-22-4	D3
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay									
Mercury	<0.066	ug/L	0.20	0.066	1	05/20/22 08:40	05/23/22 08:08	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	0.022J	ug/L	0.049	0.014	1	05/12/22 13:00	05/13/22 21:00	83-32-9	
Acenaphthylene	<0.012	ug/L	0.049	0.012	1	05/12/22 13:00	05/13/22 21:00	208-96-8	
Anthracene	0.037J	ug/L	0.049	0.018	1	05/12/22 13:00	05/13/22 21:00	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.049	0.013	1	05/12/22 13:00	05/13/22 21:00	56-55-3	
Benzo(a)pyrene	<0.019	ug/L	0.049	0.019	1	05/12/22 13:00	05/13/22 21:00	50-32-8	
Benzo(b)fluoranthene	<0.019	ug/L	0.049	0.019	1	05/12/22 13:00	05/13/22 21:00	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.049	0.023	1	05/12/22 13:00	05/13/22 21:00	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.049	0.022	1	05/12/22 13:00	05/13/22 21:00	207-08-9	
Chrysene	<0.026	ug/L	0.049	0.026	1	05/12/22 13:00	05/13/22 21:00	218-01-9	
Dibenz(a,h)anthracene	<0.017	ug/L	0.049	0.017	1	05/12/22 13:00	05/13/22 21:00	53-70-3	
Fluoranthene	<0.026	ug/L	0.049	0.026	1	05/12/22 13:00	05/13/22 21:00	206-44-0	
Fluorene	<0.023	ug/L	0.049	0.023	1	05/12/22 13:00	05/13/22 21:00	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.049	0.015	1	05/12/22 13:00	05/13/22 21:00	193-39-5	
1-Methylnaphthalene	0.030J	ug/L	0.049	0.018	1	05/12/22 13:00	05/13/22 21:00	90-12-0	
2-Methylnaphthalene	<0.014	ug/L	0.049	0.014	1	05/12/22 13:00	05/13/22 21:00	91-57-6	
Naphthalene	0.037J	ug/L	0.049	0.019	1	05/12/22 13:00	05/13/22 21:00	91-20-3	
Phenanthrene	<0.025	ug/L	0.049	0.025	1	05/12/22 13:00	05/13/22 21:00	85-01-8	
Pyrene	<0.022	ug/L	0.049	0.022	1	05/12/22 13:00	05/13/22 21:00	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%	44-120		1	05/12/22 13:00	05/13/22 21:00	321-60-8	
Terphenyl-d14 (S)	59	%	49-120		1	05/12/22 13:00	05/13/22 21:00	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		05/12/22 22:42	71-43-2	

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Sample: 050922008 **Lab ID: 40244709005** Collected: 05/09/22 17:14 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/12/22 22:42	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/12/22 22:42	108-88-3	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/12/22 22:42	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/12/22 22:42	108-67-8	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/12/22 22:42	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/12/22 22:42	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/12/22 22:42	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1		05/12/22 22:42	2037-26-5	
4-Bromofluorobenzene (S)	113	%	70-130		1		05/12/22 22:42	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		05/12/22 22:42	2199-69-1	

300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	30.3	mg/L	10.0	2.2	5		05/19/22 20:01	14808-79-8	

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		05/17/22 13:44		

Sample: 050922009 **Lab ID: 40244709006** Collected: 05/09/22 17:20 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	11300	ug/L	140	28.8	50		05/17/22 13:40	74-82-8	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Arsenic	1.9J	ug/L	2.0	0.56	2	05/12/22 05:47	06/04/22 01:05	7440-38-2	D3
Barium	333	ug/L	4.7	1.4	2	05/12/22 05:47	06/04/22 01:05	7440-39-3	
Cadmium	<0.30	ug/L	2.0	0.30	2	05/12/22 05:47	06/04/22 01:05	7440-43-9	D3
Chromium	11.7	ug/L	6.8	2.0	2	05/12/22 05:47	06/07/22 03:41	7440-47-3	B
Iron	5500	ug/L	500	116	2	05/12/22 05:47	06/04/22 01:05	7439-89-6	
Lead	1.1J	ug/L	2.0	0.47	2	05/12/22 05:47	06/04/22 01:05	7439-92-1	B,D3
Manganese	960	ug/L	8.1	2.4	2	05/12/22 05:47	06/04/22 01:05	7439-96-5	
Selenium	<0.63	ug/L	2.1	0.63	2	05/12/22 05:47	06/04/22 01:05	7782-49-2	D3
Silver	<0.25	ug/L	1.0	0.25	2	05/12/22 05:47	06/04/22 01:05	7440-22-4	D3
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay									
Mercury	<0.066	ug/L	0.20	0.066	1	05/20/22 08:40	05/23/22 08:10	7439-97-6	

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Sample: 050922009 **Lab ID: 40244709006** Collected: 05/09/22 17:20 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	0.025J	ug/L	0.048	0.013	1	05/12/22 13:00	05/13/22 21:19	83-32-9	
Acenaphthylene	<0.012	ug/L	0.048	0.012	1	05/12/22 13:00	05/13/22 21:19	208-96-8	
Anthracene	0.036J	ug/L	0.048	0.018	1	05/12/22 13:00	05/13/22 21:19	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.048	0.013	1	05/12/22 13:00	05/13/22 21:19	56-55-3	
Benzo(a)pyrene	<0.019	ug/L	0.048	0.019	1	05/12/22 13:00	05/13/22 21:19	50-32-8	
Benzo(b)fluoranthene	<0.019	ug/L	0.048	0.019	1	05/12/22 13:00	05/13/22 21:19	205-99-2	
Benzo(g,h,i)perylene	<0.022	ug/L	0.048	0.022	1	05/12/22 13:00	05/13/22 21:19	191-24-2	
Benzo(k)fluoranthene	<0.021	ug/L	0.048	0.021	1	05/12/22 13:00	05/13/22 21:19	207-08-9	
Chrysene	<0.025	ug/L	0.048	0.025	1	05/12/22 13:00	05/13/22 21:19	218-01-9	
Dibenz(a,h)anthracene	<0.017	ug/L	0.048	0.017	1	05/12/22 13:00	05/13/22 21:19	53-70-3	
Fluoranthene	<0.025	ug/L	0.048	0.025	1	05/12/22 13:00	05/13/22 21:19	206-44-0	
Fluorene	<0.023	ug/L	0.048	0.023	1	05/12/22 13:00	05/13/22 21:19	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.048	0.015	1	05/12/22 13:00	05/13/22 21:19	193-39-5	
1-Methylnaphthalene	0.020J	ug/L	0.048	0.017	1	05/12/22 13:00	05/13/22 21:19	90-12-0	
2-Methylnaphthalene	<0.013	ug/L	0.048	0.013	1	05/12/22 13:00	05/13/22 21:19	91-57-6	
Naphthalene	0.042J	ug/L	0.048	0.019	1	05/12/22 13:00	05/13/22 21:19	91-20-3	
Phenanthrene	<0.025	ug/L	0.048	0.025	1	05/12/22 13:00	05/13/22 21:19	85-01-8	
Pyrene	<0.022	ug/L	0.048	0.022	1	05/12/22 13:00	05/13/22 21:19	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	62	%	44-120		1	05/12/22 13:00	05/13/22 21:19	321-60-8	
Terphenyl-d14 (S)	62	%	49-120		1	05/12/22 13:00	05/13/22 21:19	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		05/12/22 23:02	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/12/22 23:02	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/12/22 23:02	108-88-3	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/12/22 23:02	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/12/22 23:02	108-67-8	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/12/22 23:02	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/12/22 23:02	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/12/22 23:02	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1		05/12/22 23:02	2037-26-5	
4-Bromofluorobenzene (S)	111	%	70-130		1		05/12/22 23:02	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		05/12/22 23:02	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	30.5	mg/L	10.0	2.2	5		05/19/22 20:15	14808-79-8	
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		05/17/22 13:45		

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

Sample: 050922010 **Lab ID: 40244709007** Collected: 05/09/22 17:45 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Arsenic	<0.28	ug/L	1.0	0.28	1	05/12/22 05:47	06/07/22 01:59	7440-38-2	
Barium	<0.70	ug/L	2.3	0.70	1	05/12/22 05:47	06/07/22 01:59	7440-39-3	
Cadmium	<0.15	ug/L	1.0	0.15	1	05/12/22 05:47	06/07/22 01:59	7440-43-9	
Chromium	1.1J	ug/L	3.4	1.0	1	05/12/22 05:47	06/07/22 01:59	7440-47-3	B
Iron	81.4J	ug/L	250	58.0	1	05/12/22 05:47	06/07/22 01:59	7439-89-6	B
Lead	<0.24	ug/L	1.0	0.24	1	05/12/22 05:47	06/07/22 01:59	7439-92-1	
Manganese	<1.2	ug/L	4.0	1.2	1	05/12/22 05:47	06/07/22 01:59	7439-96-5	
Selenium	<0.32	ug/L	1.1	0.32	1	05/12/22 05:47	06/07/22 01:59	7782-49-2	
Silver	<0.13	ug/L	0.50	0.13	1	05/12/22 05:47	06/07/22 01:59	7440-22-4	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury	<0.066	ug/L	0.20	0.066	1	05/20/22 08:40	05/23/22 08:13	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.015	ug/L	0.052	0.015	1	05/12/22 13:00	05/16/22 09:56	83-32-9	
Acenaphthylene	<0.013	ug/L	0.052	0.013	1	05/12/22 13:00	05/16/22 09:56	208-96-8	
Anthracene	<0.019	ug/L	0.052	0.019	1	05/12/22 13:00	05/16/22 09:56	120-12-7	
Benzo(a)anthracene	<0.014	ug/L	0.052	0.014	1	05/12/22 13:00	05/16/22 09:56	56-55-3	
Benzo(a)pyrene	<0.021	ug/L	0.052	0.021	1	05/12/22 13:00	05/16/22 09:56	50-32-8	
Benzo(b)fluoranthene	<0.020	ug/L	0.052	0.020	1	05/12/22 13:00	05/16/22 09:56	205-99-2	
Benzo(g,h,i)perylene	<0.024	ug/L	0.052	0.024	1	05/12/22 13:00	05/16/22 09:56	191-24-2	
Benzo(k)fluoranthene	<0.023	ug/L	0.052	0.023	1	05/12/22 13:00	05/16/22 09:56	207-08-9	
Chrysene	<0.028	ug/L	0.052	0.028	1	05/12/22 13:00	05/16/22 09:56	218-01-9	
Dibenz(a,h)anthracene	<0.019	ug/L	0.052	0.019	1	05/12/22 13:00	05/16/22 09:56	53-70-3	
Fluoranthene	<0.027	ug/L	0.052	0.027	1	05/12/22 13:00	05/16/22 09:56	206-44-0	
Fluorene	<0.025	ug/L	0.052	0.025	1	05/12/22 13:00	05/16/22 09:56	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.052	0.016	1	05/12/22 13:00	05/16/22 09:56	193-39-5	
1-Methylnaphthalene	<0.019	ug/L	0.052	0.019	1	05/12/22 13:00	05/16/22 09:56	90-12-0	
2-Methylnaphthalene	<0.014	ug/L	0.052	0.014	1	05/12/22 13:00	05/16/22 09:56	91-57-6	
Naphthalene	<0.021	ug/L	0.052	0.021	1	05/12/22 13:00	05/16/22 09:56	91-20-3	
Phenanthrene	<0.027	ug/L	0.052	0.027	1	05/12/22 13:00	05/16/22 09:56	85-01-8	
Pyrene	<0.024	ug/L	0.052	0.024	1	05/12/22 13:00	05/16/22 09:56	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	68	%	44-120		1	05/12/22 13:00	05/16/22 09:56	321-60-8	
Terphenyl-d14 (S)	63	%	49-120		1	05/12/22 13:00	05/16/22 09:56	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		05/13/22 00:44	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/13/22 00:44	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/13/22 00:44	108-88-3	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/13/22 00:44	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/13/22 00:44	108-67-8	

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 050922010 Lab ID: 40244709007 Collected: 05/09/22 17:45 Received: 05/11/22 07:40 Matrix: Water									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/13/22 00:44	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/13/22 00:44	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/13/22 00:44	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		05/13/22 00:44	2037-26-5	
4-Bromofluorobenzene (S)	109	%	70-130		1		05/13/22 00:44	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		05/13/22 00:44	2199-69-1	

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 051022011 Lab ID: 40244709008 Collected: 05/10/22 07:14 Received: 05/11/22 07:40 Matrix: Water									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	1180	ug/L	28.0	5.8	10		05/17/22 13:57	74-82-8	
6020B MET ICPMS Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Arsenic	3.3	ug/L	2.0	0.56	2	05/12/22 05:47	06/04/22 01:35	7440-38-2	
Barium	121	ug/L	4.7	1.4	2	05/12/22 05:47	06/04/22 01:35	7440-39-3	
Cadmium	<0.30	ug/L	2.0	0.30	2	05/12/22 05:47	06/04/22 01:35	7440-43-9	D3
Chromium	5.4J	ug/L	6.8	2.0	2	05/12/22 05:47	06/07/22 05:32	7440-47-3	B,D3
Iron	7680	ug/L	500	116	2	05/12/22 05:47	06/04/22 01:35	7439-89-6	
Lead	18.6	ug/L	2.0	0.47	2	05/12/22 05:47	06/04/22 01:35	7439-92-1	
Manganese	771	ug/L	8.1	2.4	2	05/12/22 05:47	06/04/22 01:35	7439-96-5	
Selenium	0.70J	ug/L	2.1	0.63	2	05/12/22 05:47	06/04/22 01:35	7782-49-2	D3
Silver	<0.25	ug/L	1.0	0.25	2	05/12/22 05:47	06/04/22 01:35	7440-22-4	D3
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay									
Mercury	<0.066	ug/L	0.20	0.066	1	05/20/22 08:40	05/23/22 08:15	7439-97-6	
8270E MSSV PAH Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	<0.014	ug/L	0.050	0.014	1	05/13/22 07:39	05/16/22 15:49	83-32-9	
Acenaphthylene	0.061	ug/L	0.050	0.012	1	05/13/22 07:39	05/16/22 15:49	208-96-8	
Anthracene	0.073	ug/L	0.050	0.018	1	05/13/22 07:39	05/16/22 15:49	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.050	0.013	1	05/13/22 07:39	05/16/22 15:49	56-55-3	
Benzo(a)pyrene	0.25	ug/L	0.050	0.019	1	05/13/22 07:39	05/16/22 15:49	50-32-8	
Benzo(b)fluoranthene	0.79	ug/L	0.050	0.019	1	05/13/22 07:39	05/16/22 15:49	205-99-2	
Benzo(g,h,i)perylene	0.47	ug/L	0.050	0.023	1	05/13/22 07:39	05/16/22 15:49	191-24-2	
Benzo(k)fluoranthene	0.25	ug/L	0.050	0.022	1	05/13/22 07:39	05/16/22 15:49	207-08-9	
Chrysene	0.52	ug/L	0.050	0.026	1	05/13/22 07:39	05/16/22 15:49	218-01-9	

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

Sample: 051022011 **Lab ID: 40244709008** Collected: 05/10/22 07:14 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Dibenz(a,h)anthracene	0.042J	ug/L	0.050	0.018	1	05/13/22 07:39	05/16/22 15:49	53-70-3	
Fluoranthene	0.46	ug/L	0.050	0.026	1	05/13/22 07:39	05/16/22 15:49	206-44-0	
Fluorene	<0.023	ug/L	0.050	0.023	1	05/13/22 07:39	05/16/22 15:49	86-73-7	
Indeno(1,2,3-cd)pyrene	0.35	ug/L	0.050	0.015	1	05/13/22 07:39	05/16/22 15:49	193-39-5	
1-Methylnaphthalene	0.018J	ug/L	0.050	0.018	1	05/13/22 07:39	05/16/22 15:49	90-12-0	
2-Methylnaphthalene	<0.014	ug/L	0.050	0.014	1	05/13/22 07:39	05/16/22 15:49	91-57-6	
Naphthalene	0.025J	ug/L	0.050	0.020	1	05/13/22 07:39	05/16/22 15:49	91-20-3	
Phenanthrene	0.085	ug/L	0.050	0.025	1	05/13/22 07:39	05/16/22 15:49	85-01-8	
Pyrene	0.50	ug/L	0.050	0.022	1	05/13/22 07:39	05/16/22 15:49	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	35	%	44-120		1	05/13/22 07:39	05/16/22 15:49	321-60-8	1q,S0
Terphenyl-d14 (S)	34	%	49-120		1	05/13/22 07:39	05/16/22 15:49	1718-51-0	1q,S0
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		05/13/22 01:05	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/13/22 01:05	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/13/22 01:05	108-88-3	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/13/22 01:05	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/13/22 01:05	108-67-8	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/13/22 01:05	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/13/22 01:05	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/13/22 01:05	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1		05/13/22 01:05	2037-26-5	
4-Bromofluorobenzene (S)	108	%	70-130		1		05/13/22 01:05	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		05/13/22 01:05	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	494	mg/L	40.0	8.9	20		05/20/22 15:46	14808-79-8	
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		05/17/22 13:48		

Sample: 051022012 **Lab ID: 40244709009** Collected: 05/10/22 07:39 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	6.2	ug/L	2.8	0.58	1		05/17/22 11:42	74-82-8	B

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

Sample: 051022012 **Lab ID: 40244709009** Collected: 05/10/22 07:39 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/13/22 01:25	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/13/22 01:25	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/13/22 01:25	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		05/13/22 01:25	2037-26-5	
4-Bromofluorobenzene (S)	108	%	70-130		1		05/13/22 01:25	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		05/13/22 01:25	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	420	mg/L	40.0	8.9	20		05/20/22 16:02	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.84	mg/L	0.25	0.059	1		05/17/22 13:48		

Sample: 051022013 **Lab ID: 40244709010** Collected: 05/10/22 08:29 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	1360	ug/L	28.0	5.8	10		05/17/22 14:04	74-82-8	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Arsenic	2.1	ug/L	2.0	0.56	2	05/12/22 05:47	06/04/22 01:49	7440-38-2	
Barium	247	ug/L	4.7	1.4	2	05/12/22 05:47	06/04/22 01:49	7440-39-3	
Cadmium	<0.30	ug/L	2.0	0.30	2	05/12/22 05:47	06/04/22 01:49	7440-43-9	D3
Chromium	2.1J	ug/L	6.8	2.0	2	05/12/22 05:47	06/07/22 03:56	7440-47-3	B,D3
Iron	29200	ug/L	500	116	2	05/12/22 05:47	06/04/22 01:49	7439-89-6	
Lead	2.4	ug/L	2.0	0.47	2	05/12/22 05:47	06/04/22 01:49	7439-92-1	B
Manganese	2320	ug/L	8.1	2.4	2	05/12/22 05:47	06/04/22 01:49	7439-96-5	
Selenium	<0.63	ug/L	2.1	0.63	2	05/12/22 05:47	06/04/22 01:49	7782-49-2	D3
Silver	<0.25	ug/L	1.0	0.25	2	05/12/22 05:47	06/04/22 01:49	7440-22-4	D3
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay									
Mercury	<0.066	ug/L	0.20	0.066	1	05/20/22 08:40	05/23/22 08:19	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	0.16J	ug/L	0.25	0.070	5	05/13/22 07:39	05/16/22 16:26	83-32-9	

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

Sample: 051022013 **Lab ID: 40244709010** Collected: 05/10/22 08:29 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthylene	0.27	ug/L	0.25	0.064	5	05/13/22 07:39	05/16/22 16:26	208-96-8	
Anthracene	0.94	ug/L	0.25	0.094	5	05/13/22 07:39	05/16/22 16:26	120-12-7	
Benzo(a)anthracene	3.7	ug/L	0.25	0.069	5	05/13/22 07:39	05/16/22 16:26	56-55-3	
Benzo(a)pyrene	8.4	ug/L	0.25	0.099	5	05/13/22 07:39	05/16/22 16:26	50-32-8	
Benzo(b)fluoranthene	19.8	ug/L	0.25	0.099	5	05/13/22 07:39	05/16/22 16:26	205-99-2	
Benzo(g,h,i)perylene	12.0	ug/L	0.25	0.12	5	05/13/22 07:39	05/16/22 16:26	191-24-2	
Benzo(k)fluoranthene	6.3	ug/L	0.25	0.11	5	05/13/22 07:39	05/16/22 16:26	207-08-9	
Chrysene	12.9	ug/L	0.25	0.13	5	05/13/22 07:39	05/16/22 16:26	218-01-9	
Dibenz(a,h)anthracene	1.8	ug/L	0.25	0.090	5	05/13/22 07:39	05/16/22 16:26	53-70-3	
Fluoranthene	25.4	ug/L	0.25	0.13	5	05/13/22 07:39	05/16/22 16:26	206-44-0	
Fluorene	0.45	ug/L	0.25	0.12	5	05/13/22 07:39	05/16/22 16:26	86-73-7	
Indeno(1,2,3-cd)pyrene	9.0	ug/L	0.25	0.079	5	05/13/22 07:39	05/16/22 16:26	193-39-5	
1-Methylnaphthalene	0.11J	ug/L	0.25	0.091	5	05/13/22 07:39	05/16/22 16:26	90-12-0	
2-Methylnaphthalene	<0.070	ug/L	0.25	0.070	5	05/13/22 07:39	05/16/22 16:26	91-57-6	
Naphthalene	<0.10	ug/L	0.25	0.10	5	05/13/22 07:39	05/16/22 16:26	91-20-3	
Phenanthrene	4.2	ug/L	0.25	0.13	5	05/13/22 07:39	05/16/22 16:26	85-01-8	
Pyrene	16.4	ug/L	0.25	0.11	5	05/13/22 07:39	05/16/22 16:26	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	67	%	44-120		5	05/13/22 07:39	05/16/22 16:26	321-60-8	
Terphenyl-d14 (S)	63	%	49-120		5	05/13/22 07:39	05/16/22 16:26	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		05/12/22 23:22	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/12/22 23:22	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/12/22 23:22	108-88-3	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/12/22 23:22	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/12/22 23:22	108-67-8	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/12/22 23:22	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/12/22 23:22	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/12/22 23:22	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		05/12/22 23:22	2037-26-5	
4-Bromofluorobenzene (S)	109	%	70-130		1		05/12/22 23:22	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		05/12/22 23:22	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	62.3	mg/L	10.0	2.2	5		05/19/22 20:58	14808-79-8	
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		05/17/22 13:49		

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Sample: 051022014 **Lab ID: 40244709011** Collected: 05/10/22 09:06 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	633	ug/L	14.0	2.9	5		05/17/22 14:11	74-82-8	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Arsenic	2.5	ug/L	2.0	0.56	2	05/12/22 05:47	06/04/22 01:57	7440-38-2	
Barium	73.3	ug/L	4.7	1.4	2	05/12/22 05:47	06/04/22 01:57	7440-39-3	
Cadmium	<0.30	ug/L	2.0	0.30	2	05/12/22 05:47	06/04/22 01:57	7440-43-9	D3
Chromium	2.3J	ug/L	6.8	2.0	2	05/12/22 05:47	06/07/22 04:04	7440-47-3	B,D3
Iron	1310	ug/L	500	116	2	05/12/22 05:47	06/04/22 01:57	7439-89-6	
Lead	1.3J	ug/L	2.0	0.47	2	05/12/22 05:47	06/04/22 01:57	7439-92-1	B,D3
Manganese	343	ug/L	8.1	2.4	2	05/12/22 05:47	06/04/22 01:57	7439-96-5	
Selenium	<0.63	ug/L	2.1	0.63	2	05/12/22 05:47	06/04/22 01:57	7782-49-2	D3
Silver	<0.25	ug/L	1.0	0.25	2	05/12/22 05:47	06/04/22 01:57	7440-22-4	D3
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay									
Mercury	<0.066	ug/L	0.20	0.066	1	05/20/22 08:40	05/23/22 08:22	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	<0.013	ug/L	0.049	0.013	1	05/13/22 07:39	05/16/22 16:45	83-32-9	
Acenaphthylene	0.044J	ug/L	0.049	0.012	1	05/13/22 07:39	05/16/22 16:45	208-96-8	
Anthracene	0.058	ug/L	0.049	0.018	1	05/13/22 07:39	05/16/22 16:45	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.049	0.013	1	05/13/22 07:39	05/16/22 16:45	56-55-3	
Benzo(a)pyrene	0.38	ug/L	0.049	0.019	1	05/13/22 07:39	05/16/22 16:45	50-32-8	
Benzo(b)fluoranthene	0.97	ug/L	0.049	0.019	1	05/13/22 07:39	05/16/22 16:45	205-99-2	
Benzo(g,h,i)perylene	0.63	ug/L	0.049	0.023	1	05/13/22 07:39	05/16/22 16:45	191-24-2	
Benzo(k)fluoranthene	0.33	ug/L	0.049	0.022	1	05/13/22 07:39	05/16/22 16:45	207-08-9	
Chrysene	0.57	ug/L	0.049	0.026	1	05/13/22 07:39	05/16/22 16:45	218-01-9	
Dibenz(a,h)anthracene	0.081	ug/L	0.049	0.017	1	05/13/22 07:39	05/16/22 16:45	53-70-3	
Fluoranthene	1.0	ug/L	0.049	0.025	1	05/13/22 07:39	05/16/22 16:45	206-44-0	
Fluorene	<0.023	ug/L	0.049	0.023	1	05/13/22 07:39	05/16/22 16:45	86-73-7	
Indeno(1,2,3-cd)pyrene	0.47	ug/L	0.049	0.015	1	05/13/22 07:39	05/16/22 16:45	193-39-5	
1-Methylnaphthalene	<0.017	ug/L	0.049	0.017	1	05/13/22 07:39	05/16/22 16:45	90-12-0	
2-Methylnaphthalene	<0.013	ug/L	0.049	0.013	1	05/13/22 07:39	05/16/22 16:45	91-57-6	
Naphthalene	0.042J	ug/L	0.049	0.019	1	05/13/22 07:39	05/16/22 16:45	91-20-3	
Phenanthrene	0.19	ug/L	0.049	0.025	1	05/13/22 07:39	05/16/22 16:45	85-01-8	
Pyrene	0.68	ug/L	0.049	0.022	1	05/13/22 07:39	05/16/22 16:45	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	74	%	44-120		1	05/13/22 07:39	05/16/22 16:45	321-60-8	
Terphenyl-d14 (S)	70	%	49-120		1	05/13/22 07:39	05/16/22 16:45	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	2.3	ug/L	1.0	0.30	1		05/12/22 23:43	71-43-2	

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 051022014 Lab ID: 40244709011 Collected: 05/10/22 09:06 Received: 05/11/22 07:40 Matrix: Water									
8260 MSV UST Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/12/22 23:43	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/12/22 23:43	108-88-3	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/12/22 23:43	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/12/22 23:43	108-67-8	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/12/22 23:43	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/12/22 23:43	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/12/22 23:43	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1		05/12/22 23:43	2037-26-5	
4-Bromofluorobenzene (S)	109	%	70-130		1		05/12/22 23:43	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		05/12/22 23:43	2199-69-1	
300.0 IC Anions Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	96.3	mg/L	10.0	2.2	5		05/19/22 21:56	14808-79-8	
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		05/17/22 13:50		

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 051022015 Lab ID: 40244709012 Collected: 05/10/22 09:10 Received: 05/11/22 07:40 Matrix: Water									
Methane, Ethane, Ethene GCV Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	536	ug/L	11.2	2.3	4		05/17/22 14:18	74-82-8	
6020B MET ICPMS Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Arsenic	2.7	ug/L	2.0	0.56	2	05/12/22 05:47	06/04/22 02:04	7440-38-2	
Barium	77.1	ug/L	4.7	1.4	2	05/12/22 05:47	06/04/22 02:04	7440-39-3	
Cadmium	<0.30	ug/L	2.0	0.30	2	05/12/22 05:47	06/04/22 02:04	7440-43-9	D3
Chromium	3.4J	ug/L	6.8	2.0	2	05/12/22 05:47	06/07/22 04:11	7440-47-3	B,D3
Iron	1430	ug/L	500	116	2	05/12/22 05:47	06/04/22 02:04	7439-89-6	
Lead	1.5J	ug/L	2.0	0.47	2	05/12/22 05:47	06/04/22 02:04	7439-92-1	B,D3
Manganese	358	ug/L	8.1	2.4	2	05/12/22 05:47	06/04/22 02:04	7439-96-5	
Selenium	<0.63	ug/L	2.1	0.63	2	05/12/22 05:47	06/04/22 02:04	7782-49-2	D3
Silver	<0.25	ug/L	1.0	0.25	2	05/12/22 05:47	06/04/22 02:04	7440-22-4	D3
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay									
Mercury	<0.066	ug/L	0.20	0.066	1	05/20/22 08:40	05/23/22 08:29	7439-97-6	

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 051022022 Lab ID: 40244709013 Collected: 05/10/22 15:23 Received: 05/11/22 07:40 Matrix: Water									
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Ethylbenzene	36.4	ug/L	1.0	0.33	1		05/13/22 02:06	100-41-4	
Toluene	0.35J	ug/L	1.0	0.29	1		05/13/22 02:06	108-88-3	
1,2,4-Trimethylbenzene	4.1	ug/L	1.0	0.45	1		05/13/22 02:06	95-63-6	
1,3,5-Trimethylbenzene	0.52J	ug/L	1.0	0.36	1		05/13/22 02:06	108-67-8	
Xylene (Total)	10.8	ug/L	3.0	1.0	1		05/13/22 02:06	1330-20-7	
m&p-Xylene	5.8	ug/L	2.0	0.70	1		05/13/22 02:06	179601-23-1	
o-Xylene	5.0	ug/L	1.0	0.35	1		05/13/22 02:06	95-47-6	
Surrogates									
Toluene-d8 (S)	104	%	70-130		1		05/13/22 02:06	2037-26-5	
4-Bromofluorobenzene (S)	106	%	70-130		1		05/13/22 02:06	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		05/13/22 02:06	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	349	mg/L	40.0	8.9	20		05/20/22 16:16	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.23J	mg/L	0.25	0.059	1		05/17/22 13:51		

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 051022023 Lab ID: 40244709014 Collected: 05/10/22 16:10 Received: 05/11/22 07:40 Matrix: Water									
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	7.9	ug/L	2.8	0.58	1		05/18/22 10:28	74-82-8	B
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Arsenic	1.7J	ug/L	2.0	0.56	2	05/12/22 05:47	06/04/22 02:19	7440-38-2	D3
Barium	27.3	ug/L	4.7	1.4	2	05/12/22 05:47	06/04/22 02:19	7440-39-3	
Cadmium	<0.30	ug/L	2.0	0.30	2	05/12/22 05:47	06/04/22 02:19	7440-43-9	D3
Chromium	3.6J	ug/L	6.8	2.0	2	05/12/22 05:47	06/07/22 04:26	7440-47-3	B,D3
Iron	184J	ug/L	500	116	2	05/12/22 05:47	06/04/22 02:19	7439-89-6	B,D3
Lead	1.6J	ug/L	2.0	0.47	2	05/12/22 05:47	06/04/22 02:19	7439-92-1	B,D3
Manganese	59.8	ug/L	8.1	2.4	2	05/12/22 05:47	06/04/22 02:19	7439-96-5	
Selenium	<0.63	ug/L	2.1	0.63	2	05/12/22 05:47	06/04/22 02:19	7782-49-2	D3
Silver	<0.25	ug/L	1.0	0.25	2	05/12/22 05:47	06/04/22 02:19	7440-22-4	D3
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay									
Mercury	<0.066	ug/L	0.20	0.066	1	05/20/22 08:40	05/23/22 08:33	7439-97-6	

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Sample: 051022023 **Lab ID: 40244709014** Collected: 05/10/22 16:10 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.014	ug/L	0.049	0.014	1	05/13/22 07:39	05/16/22 17:41	83-32-9	
Acenaphthylene	<0.012	ug/L	0.049	0.012	1	05/13/22 07:39	05/16/22 17:41	208-96-8	
Anthracene	0.030J	ug/L	0.049	0.018	1	05/13/22 07:39	05/16/22 17:41	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.049	0.013	1	05/13/22 07:39	05/16/22 17:41	56-55-3	
Benzo(a)pyrene	0.17	ug/L	0.049	0.019	1	05/13/22 07:39	05/16/22 17:41	50-32-8	
Benzo(b)fluoranthene	0.34	ug/L	0.049	0.019	1	05/13/22 07:39	05/16/22 17:41	205-99-2	
Benzo(g,h,i)perylene	0.27	ug/L	0.049	0.023	1	05/13/22 07:39	05/16/22 17:41	191-24-2	
Benzo(k)fluoranthene	0.13	ug/L	0.049	0.022	1	05/13/22 07:39	05/16/22 17:41	207-08-9	
Chrysene	0.23	ug/L	0.049	0.026	1	05/13/22 07:39	05/16/22 17:41	218-01-9	
Dibenz(a,h)anthracene	0.038J	ug/L	0.049	0.017	1	05/13/22 07:39	05/16/22 17:41	53-70-3	
Fluoranthene	0.38	ug/L	0.049	0.025	1	05/13/22 07:39	05/16/22 17:41	206-44-0	
Fluorene	<0.023	ug/L	0.049	0.023	1	05/13/22 07:39	05/16/22 17:41	86-73-7	
Indeno(1,2,3-cd)pyrene	0.20	ug/L	0.049	0.015	1	05/13/22 07:39	05/16/22 17:41	193-39-5	
1-Methylnaphthalene	<0.017	ug/L	0.049	0.017	1	05/13/22 07:39	05/16/22 17:41	90-12-0	
2-Methylnaphthalene	<0.013	ug/L	0.049	0.013	1	05/13/22 07:39	05/16/22 17:41	91-57-6	
Naphthalene	<0.019	ug/L	0.049	0.019	1	05/13/22 07:39	05/16/22 17:41	91-20-3	
Phenanthrene	0.15	ug/L	0.049	0.025	1	05/13/22 07:39	05/16/22 17:41	85-01-8	
Pyrene	0.28	ug/L	0.049	0.022	1	05/13/22 07:39	05/16/22 17:41	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	71	%	44-120		1	05/13/22 07:39	05/16/22 17:41	321-60-8	
Terphenyl-d14 (S)	67	%	49-120		1	05/13/22 07:39	05/16/22 17:41	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		05/13/22 02:26	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/13/22 02:26	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/13/22 02:26	108-88-3	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/13/22 02:26	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/13/22 02:26	108-67-8	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/13/22 02:26	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/13/22 02:26	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/13/22 02:26	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1		05/13/22 02:26	2037-26-5	
4-Bromofluorobenzene (S)	109	%	70-130		1		05/13/22 02:26	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		05/13/22 02:26	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	157	mg/L	20.0	4.4	10		05/20/22 16:30	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.75	mg/L	0.25	0.059	1		05/17/22 13:52		

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Sample: 051022024 **Lab ID: 40244709015** Collected: 05/10/22 17:08 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	28.7	ug/L	2.8	0.58	1		05/18/22 10:35	74-82-8	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Arsenic	1.5J	ug/L	2.0	0.56	2	05/12/22 05:47	06/04/22 02:26	7440-38-2	D3
Barium	112	ug/L	4.7	1.4	2	05/12/22 05:47	06/04/22 02:26	7440-39-3	
Cadmium	<0.30	ug/L	2.0	0.30	2	05/12/22 05:47	06/04/22 02:26	7440-43-9	D3
Chromium	5.2J	ug/L	6.8	2.0	2	05/12/22 05:47	06/07/22 04:48	7440-47-3	B,D3
Iron	2910	ug/L	500	116	2	05/12/22 05:47	06/04/22 02:26	7439-89-6	
Lead	1.4J	ug/L	2.0	0.47	2	05/12/22 05:47	06/04/22 02:26	7439-92-1	B,D3
Manganese	211	ug/L	8.1	2.4	2	05/12/22 05:47	06/04/22 02:26	7439-96-5	
Selenium	<0.63	ug/L	2.1	0.63	2	05/12/22 05:47	06/04/22 02:26	7782-49-2	D3
Silver	<0.25	ug/L	1.0	0.25	2	05/12/22 05:47	06/04/22 02:26	7440-22-4	D3
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay									
Mercury	<0.066	ug/L	0.20	0.066	1	05/20/22 08:40	05/23/22 08:36	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	9.6	ug/L	4.9	1.4	100	05/13/22 07:39	05/16/22 17:59	83-32-9	
Acenaphthylene	2.1J	ug/L	4.9	1.2	100	05/13/22 07:39	05/16/22 17:59	208-96-8	
Anthracene	<1.8	ug/L	4.9	1.8	100	05/13/22 07:39	05/16/22 17:59	120-12-7	
Benzo(a)anthracene	<1.3	ug/L	4.9	1.3	100	05/13/22 07:39	05/16/22 17:59	56-55-3	
Benzo(a)pyrene	<1.9	ug/L	4.9	1.9	100	05/13/22 07:39	05/16/22 17:59	50-32-8	
Benzo(b)fluoranthene	<1.9	ug/L	4.9	1.9	100	05/13/22 07:39	05/16/22 17:59	205-99-2	
Benzo(g,h,i)perylene	<2.3	ug/L	4.9	2.3	100	05/13/22 07:39	05/16/22 17:59	191-24-2	
Benzo(k)fluoranthene	<2.2	ug/L	4.9	2.2	100	05/13/22 07:39	05/16/22 17:59	207-08-9	
Chrysene	<2.6	ug/L	4.9	2.6	100	05/13/22 07:39	05/16/22 17:59	218-01-9	
Dibenz(a,h)anthracene	<1.8	ug/L	4.9	1.8	100	05/13/22 07:39	05/16/22 17:59	53-70-3	
Fluoranthene	<2.6	ug/L	4.9	2.6	100	05/13/22 07:39	05/16/22 17:59	206-44-0	
Fluorene	5.4	ug/L	4.9	2.3	100	05/13/22 07:39	05/16/22 17:59	86-73-7	
Indeno(1,2,3-cd)pyrene	<1.5	ug/L	4.9	1.5	100	05/13/22 07:39	05/16/22 17:59	193-39-5	
1-Methylnaphthalene	42.1	ug/L	4.9	1.8	100	05/13/22 07:39	05/16/22 17:59	90-12-0	
2-Methylnaphthalene	27.3	ug/L	4.9	1.4	100	05/13/22 07:39	05/16/22 17:59	91-57-6	
Naphthalene	934	ug/L	4.9	2.0	100	05/13/22 07:39	05/16/22 17:59	91-20-3	
Phenanthrene	6.5	ug/L	4.9	2.5	100	05/13/22 07:39	05/16/22 17:59	85-01-8	
Pyrene	<2.2	ug/L	4.9	2.2	100	05/13/22 07:39	05/16/22 17:59	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	86	%	44-120		100	05/13/22 07:39	05/16/22 17:59	321-60-8	
Terphenyl-d14 (S)	79	%	49-120		100	05/13/22 07:39	05/16/22 17:59	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	546	ug/L	10.0	3.0	10		05/13/22 10:52	71-43-2	

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Sample: 051022024 **Lab ID: 40244709015** Collected: 05/10/22 17:08 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Ethylbenzene	53.6	ug/L	1.0	0.33	1		05/13/22 02:47	100-41-4	
Toluene	21.5	ug/L	1.0	0.29	1		05/13/22 02:47	108-88-3	
1,2,4-Trimethylbenzene	22.8	ug/L	1.0	0.45	1		05/13/22 02:47	95-63-6	
1,3,5-Trimethylbenzene	2.1	ug/L	1.0	0.36	1		05/13/22 02:47	108-67-8	
Xylene (Total)	96.0	ug/L	3.0	1.0	1		05/13/22 02:47	1330-20-7	
m&p-Xylene	51.0	ug/L	2.0	0.70	1		05/13/22 02:47	179601-23-1	
o-Xylene	45.0	ug/L	1.0	0.35	1		05/13/22 02:47	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1		05/13/22 02:47	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1		05/13/22 02:47	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		05/13/22 02:47	2199-69-1	

300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	904	mg/L	100	22.2	50		05/20/22 16:45	14808-79-8	

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		05/17/22 13:52		

Sample: 051022025 **Lab ID: 40244709016** Collected: 05/10/22 17:30 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Arsenic	<0.28	ug/L	1.0	0.28	1	05/12/22 05:47	06/07/22 02:06	7440-38-2	
Barium	<0.70	ug/L	2.3	0.70	1	05/12/22 05:47	06/07/22 02:06	7440-39-3	
Cadmium	<0.15	ug/L	1.0	0.15	1	05/12/22 05:47	06/07/22 02:06	7440-43-9	
Chromium	2.8J	ug/L	3.4	1.0	1	05/12/22 05:47	06/07/22 02:06	7440-47-3	B
Iron	112J	ug/L	250	58.0	1	05/12/22 05:47	06/07/22 02:06	7439-89-6	B
Lead	<0.24	ug/L	1.0	0.24	1	05/12/22 05:47	06/07/22 02:06	7439-92-1	
Manganese	<1.2	ug/L	4.0	1.2	1	05/12/22 05:47	06/07/22 02:06	7439-96-5	
Selenium	<0.32	ug/L	1.1	0.32	1	05/12/22 05:47	06/07/22 02:06	7782-49-2	
Silver	<0.13	ug/L	0.50	0.13	1	05/12/22 05:47	06/07/22 02:06	7440-22-4	

7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay									
Mercury	<0.066	ug/L	0.20	0.066	1	05/20/22 08:40	05/23/22 08:38	7439-97-6	

8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	<0.014	ug/L	0.052	0.014	1	05/13/22 07:39	05/16/22 18:18	83-32-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

Sample: 051022025 Lab ID: 40244709016 Collected: 05/10/22 17:30 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthylene	<0.013	ug/L	0.052	0.013	1	05/13/22 07:39	05/16/22 18:18	208-96-8	
Anthracene	<0.019	ug/L	0.052	0.019	1	05/13/22 07:39	05/16/22 18:18	120-12-7	
Benzo(a)anthracene	<0.014	ug/L	0.052	0.014	1	05/13/22 07:39	05/16/22 18:18	56-55-3	
Benzo(a)pyrene	<0.020	ug/L	0.052	0.020	1	05/13/22 07:39	05/16/22 18:18	50-32-8	
Benzo(b)fluoranthene	<0.020	ug/L	0.052	0.020	1	05/13/22 07:39	05/16/22 18:18	205-99-2	
Benzo(g,h,i)perylene	<0.024	ug/L	0.052	0.024	1	05/13/22 07:39	05/16/22 18:18	191-24-2	
Benzo(k)fluoranthene	<0.023	ug/L	0.052	0.023	1	05/13/22 07:39	05/16/22 18:18	207-08-9	
Chrysene	<0.028	ug/L	0.052	0.028	1	05/13/22 07:39	05/16/22 18:18	218-01-9	
Dibenz(a,h)anthracene	<0.019	ug/L	0.052	0.019	1	05/13/22 07:39	05/16/22 18:18	53-70-3	
Fluoranthene	<0.027	ug/L	0.052	0.027	1	05/13/22 07:39	05/16/22 18:18	206-44-0	
Fluorene	<0.024	ug/L	0.052	0.024	1	05/13/22 07:39	05/16/22 18:18	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.052	0.016	1	05/13/22 07:39	05/16/22 18:18	193-39-5	
1-Methylnaphthalene	<0.019	ug/L	0.052	0.019	1	05/13/22 07:39	05/16/22 18:18	90-12-0	
2-Methylnaphthalene	<0.014	ug/L	0.052	0.014	1	05/13/22 07:39	05/16/22 18:18	91-57-6	
Naphthalene	<0.021	ug/L	0.052	0.021	1	05/13/22 07:39	05/16/22 18:18	91-20-3	
Phenanthrene	<0.027	ug/L	0.052	0.027	1	05/13/22 07:39	05/16/22 18:18	85-01-8	
Pyrene	<0.024	ug/L	0.052	0.024	1	05/13/22 07:39	05/16/22 18:18	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	71	%	44-120		1	05/13/22 07:39	05/16/22 18:18	321-60-8	
Terphenyl-d14 (S)	69	%	49-120		1	05/13/22 07:39	05/16/22 18:18	1718-51-0	

8260 MSV UST

Analytical Method: EPA 8260
Pace Analytical Services - Green Bay

Benzene	<0.30	ug/L	1.0	0.30	1		05/13/22 09:51	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/13/22 09:51	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/13/22 09:51	108-88-3	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/13/22 09:51	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/13/22 09:51	108-67-8	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/13/22 09:51	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/13/22 09:51	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/13/22 09:51	95-47-6	
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		05/13/22 09:51	2037-26-5	
4-Bromofluorobenzene (S)	112	%	70-130		1		05/13/22 09:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		05/13/22 09:51	2199-69-1	

Sample: 051022026 Lab ID: 40244709017 Collected: 05/10/22 00:00 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		05/13/22 22:42	71-43-2	

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

Sample: 051022026 Lab ID: 40244709017 Collected: 05/10/22 00:00 Received: 05/11/22 07:40 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/13/22 22:42	100-41-4	L1
Toluene	<0.29	ug/L	1.0	0.29	1		05/13/22 22:42	108-88-3	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/13/22 22:42	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/13/22 22:42	108-67-8	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/13/22 22:42	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/13/22 22:42	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/13/22 22:42	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1		05/13/22 22:42	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		05/13/22 22:42	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		05/13/22 22:42	2199-69-1	

Sample: 051022027 Lab ID: 40244709018 Collected: 05/10/22 00:00 Received: 05/11/22 07:40 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		05/13/22 22:22	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/13/22 22:22	100-41-4	L1
Toluene	<0.29	ug/L	1.0	0.29	1		05/13/22 22:22	108-88-3	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/13/22 22:22	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/13/22 22:22	108-67-8	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/13/22 22:22	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/13/22 22:22	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/13/22 22:22	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		05/13/22 22:22	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1		05/13/22 22:22	460-00-4	
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		05/13/22 22:22	2199-69-1	

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

QC Batch:	415762	Analysis Method:	EPA 8015B Modified
QC Batch Method:	EPA 8015B Modified	Analysis Description:	Methane, Ethane, Ethene GCV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40244709001, 40244709002, 40244709003, 40244709004, 40244709005, 40244709006, 40244709008, 40244709009, 40244709010, 40244709011, 40244709012, 40244709013

METHOD BLANK: 2394006 Matrix: Water
Associated Lab Samples: 40244709001, 40244709002, 40244709003, 40244709004, 40244709005, 40244709006, 40244709008, 40244709009, 40244709010, 40244709011, 40244709012, 40244709013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	1.6J	2.8	05/17/22 08:53	

LABORATORY CONTROL SAMPLE & LCSD: 2394007 2394008

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Methane	ug/L	28.6	31.2	31.5	109	110	73-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2394015 2394016

Parameter	Units	40244709001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methane	ug/L	907	286	286	1740	1960	291	369	10-200	12	20	M1

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

QC Batch: 416045 Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40244709014, 40244709015

METHOD BLANK: 2395458 Matrix: Water

Associated Lab Samples: 40244709014, 40244709015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	1.5J	2.8	05/18/22 08:13	

LABORATORY CONTROL SAMPLE & LCSD: 2395459

2395460

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Methane	ug/L	28.6	29.8	29.7	104	104	73-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2395461

2395462

Parameter	Units	40244697006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methane	ug/L	167	28.6	28.6	209	230	146	222	10-200	10	20	M1

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

QC Batch:	416283	Analysis Method:	EPA 7470
QC Batch Method:	EPA 7470	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40244709001, 40244709002, 40244709003, 40244709004, 40244709005, 40244709006, 40244709007, 40244709008, 40244709009, 40244709010, 40244709011, 40244709012, 40244709013, 40244709014, 40244709015, 40244709016

METHOD BLANK: 2396944 Matrix: Water
Associated Lab Samples: 40244709001, 40244709002, 40244709003, 40244709004, 40244709005, 40244709006, 40244709007, 40244709008, 40244709009, 40244709010, 40244709011, 40244709012, 40244709013, 40244709014, 40244709015, 40244709016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.066	0.20	05/23/22 07:45	

LABORATORY CONTROL SAMPLE: 2396945

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.2	103	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2396946 2396947

Parameter	Units	40244709001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.066	5	5	4.8	5.0	96	100	85-115	3	20	

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

QC Batch:	415498	Analysis Method:	EPA 6020B
QC Batch Method:	EPA 3010A	Analysis Description:	6020B MET
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40244709001, 40244709002, 40244709003, 40244709004, 40244709005, 40244709006, 40244709007, 40244709008, 40244709009, 40244709010, 40244709011, 40244709012, 40244709013, 40244709014, 40244709015, 40244709016

METHOD BLANK: 2392144 Matrix: Water
Associated Lab Samples: 40244709001, 40244709002, 40244709003, 40244709004, 40244709005, 40244709006, 40244709007, 40244709008, 40244709009, 40244709010, 40244709011, 40244709012, 40244709013, 40244709014, 40244709015, 40244709016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	<0.28	1.0	06/03/22 23:59	
Barium	ug/L	<0.70	2.3	06/03/22 23:59	
Cadmium	ug/L	<0.15	1.0	06/03/22 23:59	
Chromium	ug/L	1.9J	3.4	06/07/22 01:51	
Iron	ug/L	65.5J	250	06/03/22 23:59	
Lead	ug/L	0.31J	1.0	06/03/22 23:59	
Manganese	ug/L	<1.2	4.0	06/03/22 23:59	
Selenium	ug/L	<0.32	1.1	06/03/22 23:59	
Silver	ug/L	<0.13	0.50	06/03/22 23:59	

LABORATORY CONTROL SAMPLE: 2392145

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	260	104	80-120	
Barium	ug/L	250	248	99	80-120	
Cadmium	ug/L	250	274	110	80-120	
Chromium	ug/L	250	254	102	80-120	
Iron	ug/L	10000	9600	96	80-120	
Lead	ug/L	250	233	93	80-120	
Manganese	ug/L	250	242	97	80-120	
Selenium	ug/L	250	275	110	80-120	
Silver	ug/L	125	137	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2392146 2392147

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40244709001 Result	Spike Conc.	Spike Conc.	Conc.								
Arsenic	ug/L	1.5J	250	250	262	258	104	103	75-125	1	20		
Barium	ug/L	249	250	250	505	508	102	104	75-125	1	20		
Cadmium	ug/L	<0.30	250	250	257	256	103	102	75-125	1	20		
Chromium	ug/L	3.5J	250	250	255	256	101	101	75-125	0	20		
Iron	ug/L	6700	10000	10000	16000	16000	93	93	75-125	1	20		
Lead	ug/L	0.91J	250	250	246	243	98	97	75-125	1	20		
Manganese	ug/L	396	250	250	636	641	96	98	75-125	1	20		

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2392146												2392147	
Parameter	Units	40244709001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Selenium	ug/L	<0.63	250	250	268	261	107	104	75-125	2	20		
Silver	ug/L	<0.25	125	125	128	126	102	101	75-125	1	20		

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

QC Batch:	415506	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV UST-WATER
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40244709001, 40244709002, 40244709003, 40244709004, 40244709005, 40244709006, 40244709007, 40244709008, 40244709009, 40244709010, 40244709011, 40244709012, 40244709013, 40244709014, 40244709015, 40244709016

METHOD BLANK: 2392173 Matrix: Water
Associated Lab Samples: 40244709001, 40244709002, 40244709003, 40244709004, 40244709005, 40244709006, 40244709007, 40244709008, 40244709009, 40244709010, 40244709011, 40244709012, 40244709013, 40244709014, 40244709015, 40244709016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	05/12/22 16:13	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	05/12/22 16:13	
Benzene	ug/L	<0.30	1.0	05/12/22 16:13	
Ethylbenzene	ug/L	<0.33	1.0	05/12/22 16:13	
m&p-Xylene	ug/L	<0.70	2.0	05/12/22 16:13	
o-Xylene	ug/L	<0.35	1.0	05/12/22 16:13	
Toluene	ug/L	<0.29	1.0	05/12/22 16:13	
Xylene (Total)	ug/L	<1.0	3.0	05/12/22 16:13	
1,2-Dichlorobenzene-d4 (S)	%	106	70-130	05/12/22 16:13	
4-Bromofluorobenzene (S)	%	109	70-130	05/12/22 16:13	
Toluene-d8 (S)	%	102	70-130	05/12/22 16:13	

LABORATORY CONTROL SAMPLE: 2392174

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	52.3	105	70-130	
Ethylbenzene	ug/L	50	55.5	111	80-120	
m&p-Xylene	ug/L	100	107	107	70-130	
o-Xylene	ug/L	50	52.6	105	70-130	
Toluene	ug/L	50	53.4	107	80-120	
Xylene (Total)	ug/L	150	159	106	70-130	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			108	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2392175 2392176

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40244709001 Result	Spike Conc.	Spike Conc.	Conc.								
Benzene	ug/L	<0.30	50	50	50	53.9	55.3	108	111	70-130	3	20	
Ethylbenzene	ug/L	<0.33	50	50	50	55.0	55.7	110	111	80-121	1	20	
m&p-Xylene	ug/L	<0.70	100	100	100	106	109	106	109	70-130	3	20	
o-Xylene	ug/L	<0.35	50	50	50	51.7	52.9	103	106	70-130	2	20	
Toluene	ug/L	<0.29	50	50	50	51.6	52.9	103	106	80-120	2	20	

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Parameter	Units	2392175		2392176		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40244709001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Xylene (Total)	ug/L	<1.0	150	150	158	162	105	108	70-130	3	20		
1,2-Dichlorobenzene-d4 (S)	%						105	103	70-130				
4-Bromofluorobenzene (S)	%						112	109	70-130				
Toluene-d8 (S)	%						100	100	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

QC Batch: 415624 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40244709017, 40244709018

METHOD BLANK: 2392882 Matrix: Water

Associated Lab Samples: 40244709017, 40244709018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	05/13/22 16:33	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	05/13/22 16:33	
Benzene	ug/L	<0.30	1.0	05/13/22 16:33	
Ethylbenzene	ug/L	<0.33	1.0	05/13/22 16:33	
m&p-Xylene	ug/L	<0.70	2.0	05/13/22 16:33	
o-Xylene	ug/L	<0.35	1.0	05/13/22 16:33	
Toluene	ug/L	<0.29	1.0	05/13/22 16:33	
Xylene (Total)	ug/L	<1.0	3.0	05/13/22 16:33	
1,2-Dichlorobenzene-d4 (S)	%	92	70-130	05/13/22 16:33	
4-Bromofluorobenzene (S)	%	95	70-130	05/13/22 16:33	
Toluene-d8 (S)	%	100	70-130	05/13/22 16:33	

LABORATORY CONTROL SAMPLE: 2392883

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	54.1	108	70-130	
Ethylbenzene	ug/L	50	62.2	124	80-120	L1
m&p-Xylene	ug/L	100	115	115	70-130	
o-Xylene	ug/L	50	57.9	116	70-130	
Toluene	ug/L	50	55.4	111	80-120	
Xylene (Total)	ug/L	150	173	115	70-130	
1,2-Dichlorobenzene-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2393448 2393449

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40244767001 Result	Spike Conc.	Spike Conc.	MS Result						
Benzene	ug/L	<0.30	50	50	53.6	53.5	107	107	70-130	0	20
Ethylbenzene	ug/L	<0.33	50	50	62.3	60.3	125	121	80-121	3	20 M0
m&p-Xylene	ug/L	<0.70	100	100	114	111	114	111	70-130	3	20
o-Xylene	ug/L	<0.35	50	50	57.2	56.0	114	112	70-130	2	20
Toluene	ug/L	<0.29	50	50	56.8	54.1	114	108	80-120	5	20
Xylene (Total)	ug/L	<1.0	150	150	171	167	114	111	70-130	3	20
1,2-Dichlorobenzene-d4 (S)	%						99	97	70-130		
4-Bromofluorobenzene (S)	%						97	94	70-130		

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2393448 2393449												
Parameter	Units	40244767001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Toluene-d8 (S)	%						100	98	70-130			

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

QC Batch: 415600 Analysis Method: EPA 8270E by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270E Water PAH
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40244709001, 40244709002, 40244709003, 40244709004, 40244709005, 40244709006, 40244709007

METHOD BLANK: 2392664 Matrix: Water
Associated Lab Samples: 40244709001, 40244709002, 40244709003, 40244709004, 40244709005, 40244709006, 40244709007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.018	0.050	05/13/22 11:07	
2-Methylnaphthalene	ug/L	<0.014	0.050	05/13/22 11:07	
Acenaphthene	ug/L	<0.014	0.050	05/13/22 11:07	
Acenaphthylene	ug/L	<0.013	0.050	05/13/22 11:07	
Anthracene	ug/L	<0.018	0.050	05/13/22 11:07	
Benzo(a)anthracene	ug/L	<0.014	0.050	05/13/22 11:07	
Benzo(a)pyrene	ug/L	<0.020	0.050	05/13/22 11:07	
Benzo(b)fluoranthene	ug/L	<0.020	0.050	05/13/22 11:07	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	05/13/22 11:07	
Benzo(k)fluoranthene	ug/L	<0.022	0.050	05/13/22 11:07	
Chrysene	ug/L	<0.027	0.050	05/13/22 11:07	
Dibenz(a,h)anthracene	ug/L	<0.018	0.050	05/13/22 11:07	
Fluoranthene	ug/L	<0.026	0.050	05/13/22 11:07	
Fluorene	ug/L	<0.024	0.050	05/13/22 11:07	
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	0.050	05/13/22 11:07	
Naphthalene	ug/L	<0.020	0.050	05/13/22 11:07	
Phenanthrene	ug/L	<0.026	0.050	05/13/22 11:07	
Pyrene	ug/L	<0.023	0.050	05/13/22 11:07	
2-Fluorobiphenyl (S)	%	79	44-120	05/13/22 11:07	
Terphenyl-d14 (S)	%	73	49-120	05/13/22 11:07	

LABORATORY CONTROL SAMPLE: 2392665

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	1.4	70	51-120	
2-Methylnaphthalene	ug/L	2	1.4	69	50-120	
Acenaphthene	ug/L	2	1.6	82	65-120	
Acenaphthylene	ug/L	2	1.6	78	61-120	
Anthracene	ug/L	2	1.6	80	61-104	
Benzo(a)anthracene	ug/L	2	1.3	66	51-96	
Benzo(a)pyrene	ug/L	2	1.6	82	68-120	
Benzo(b)fluoranthene	ug/L	2	1.6	80	55-97	
Benzo(g,h,i)perylene	ug/L	2	1.6	78	69-120	
Benzo(k)fluoranthene	ug/L	2	1.8	89	73-120	
Chrysene	ug/L	2	2.0	101	72-126	
Dibenz(a,h)anthracene	ug/L	2	1.7	85	57-115	
Fluoranthene	ug/L	2	1.6	82	58-111	
Fluorene	ug/L	2	1.7	85	62-120	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.6	82	66-120	

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

LABORATORY CONTROL SAMPLE: 2392665

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	2	1.4	72	53-120	
Phenanthrene	ug/L	2	1.5	73	59-120	
Pyrene	ug/L	2	1.5	74	59-120	
2-Fluorobiphenyl (S)	%			71	44-120	
Terphenyl-d14 (S)	%			67	49-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2392666 2392667

Parameter	Units	40244709001		2392666		2392667		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
1-Methylnaphthalene	ug/L	<0.017	1.9	2	1.2	1.2	63	59	22-120	3	20		
2-Methylnaphthalene	ug/L	<0.013	1.9	2	1.1	1.1	59	56	18-120	1	20		
Acenaphthene	ug/L	<0.013	1.9	2	1.4	1.4	73	69	26-120	3	20		
Acenaphthylene	ug/L	<0.012	1.9	2	1.3	1.3	67	63	28-120	3	20		
Anthracene	ug/L	0.019J	1.9	2	1.5	1.4	74	70	19-124	2	20		
Benzo(a)anthracene	ug/L	<0.013	1.9	2	0.97	0.90	50	45	10-125	7	20		
Benzo(a)pyrene	ug/L	<0.019	1.9	2	1.5	1.4	77	72	11-134	3	20		
Benzo(b)fluoranthene	ug/L	<0.019	1.9	2	1.5	1.4	77	70	10-118	5	20		
Benzo(g,h,i)perylene	ug/L	<0.023	1.9	2	1.6	1.4	82	71	10-135	11	20		
Benzo(k)fluoranthene	ug/L	<0.022	1.9	2	1.7	1.5	86	76	17-136	9	20		
Chrysene	ug/L	<0.026	1.9	2	2.2	2.2	112	108	27-144	0	20		
Dibenz(a,h)anthracene	ug/L	<0.017	1.9	2	1.3	1.2	69	60	10-142	11	20		
Fluoranthene	ug/L	<0.025	1.9	2	1.5	1.5	79	74	26-129	3	20		
Fluorene	ug/L	<0.023	1.9	2	1.5	1.4	75	69	27-120	5	20		
Indeno(1,2,3-cd)pyrene	ug/L	<0.015	1.9	2	1.4	1.3	72	64	10-134	8	20		
Naphthalene	ug/L	<0.019	1.9	2	1.3	1.2	65	61	11-120	3	20		
Phenanthrene	ug/L	<0.025	1.9	2	1.3	1.3	68	63	23-120	4	20		
Pyrene	ug/L	<0.022	1.9	2	1.5	1.4	75	70	24-120	4	20		
2-Fluorobiphenyl (S)	%						60	57	44-120				
Terphenyl-d14 (S)	%						65	62	49-120				

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

QC Batch: 415663 Analysis Method: EPA 8270E by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270E Water PAH
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244709008, 40244709009, 40244709010, 40244709011, 40244709012, 40244709013, 40244709014, 40244709015, 40244709016

METHOD BLANK: 2393064 Matrix: Water
Associated Lab Samples: 40244709008, 40244709009, 40244709010, 40244709011, 40244709012, 40244709013, 40244709014, 40244709015, 40244709016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.018	0.050	05/13/22 11:44	
2-Methylnaphthalene	ug/L	<0.014	0.050	05/13/22 11:44	
Acenaphthene	ug/L	<0.014	0.050	05/13/22 11:44	
Acenaphthylene	ug/L	<0.013	0.050	05/13/22 11:44	
Anthracene	ug/L	<0.018	0.050	05/13/22 11:44	
Benzo(a)anthracene	ug/L	<0.014	0.050	05/13/22 11:44	
Benzo(a)pyrene	ug/L	<0.020	0.050	05/13/22 11:44	
Benzo(b)fluoranthene	ug/L	<0.020	0.050	05/13/22 11:44	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	05/13/22 11:44	
Benzo(k)fluoranthene	ug/L	<0.022	0.050	05/13/22 11:44	
Chrysene	ug/L	<0.027	0.050	05/13/22 11:44	
Dibenz(a,h)anthracene	ug/L	<0.018	0.050	05/13/22 11:44	
Fluoranthene	ug/L	<0.026	0.050	05/13/22 11:44	
Fluorene	ug/L	<0.024	0.050	05/13/22 11:44	
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	0.050	05/13/22 11:44	
Naphthalene	ug/L	<0.020	0.050	05/13/22 11:44	
Phenanthrene	ug/L	<0.026	0.050	05/13/22 11:44	
Pyrene	ug/L	<0.023	0.050	05/13/22 11:44	
2-Fluorobiphenyl (S)	%	83	44-120	05/13/22 11:44	
Terphenyl-d14 (S)	%	75	49-120	05/13/22 11:44	

LABORATORY CONTROL SAMPLE & LCSD: 2393065

Parameter	Units	Spike Conc.	2393066		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qualifiers
			LCS Result	LCSD Result						
1-Methylnaphthalene	ug/L	2	1.5	1.5	73	73	51-120	0	20	
2-Methylnaphthalene	ug/L	2	1.4	1.4	71	71	50-120	0	20	
Acenaphthene	ug/L	2	1.7	1.7	83	84	65-120	1	20	
Acenaphthylene	ug/L	2	1.6	1.5	78	77	61-120	0	20	
Anthracene	ug/L	2	1.7	1.6	83	82	61-104	1	20	
Benzo(a)anthracene	ug/L	2	1.2	1.1	61	56	51-96	8	20	
Benzo(a)pyrene	ug/L	2	1.7	1.6	83	81	68-120	2	20	
Benzo(b)fluoranthene	ug/L	2	1.6	1.6	80	81	55-97	2	20	
Benzo(g,h,i)perylene	ug/L	2	1.6	1.5	79	75	69-120	5	20	
Benzo(k)fluoranthene	ug/L	2	1.8	1.8	89	88	73-120	2	20	
Chrysene	ug/L	2	2.0	2.1	102	107	72-126	5	20	
Dibenz(a,h)anthracene	ug/L	2	1.7	1.3	84	63	57-115	28	20	R1
Fluoranthene	ug/L	2	1.5	1.6	77	79	58-111	2	20	

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Parameter	Units	2393065		2393066		% Rec	LCS D	% Rec	Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCS D Result	LCS D % Rec							
Fluorene	ug/L	2	1.7	1.7	83	85	62-120	1	20			
Indeno(1,2,3-cd)pyrene	ug/L	2	1.6	1.5	78	74	66-120	5	20			
Naphthalene	ug/L	2	1.5	1.5	74	76	53-120	2	20			
Phenanthrene	ug/L	2	1.5	1.5	73	74	59-120	2	20			
Pyrene	ug/L	2	1.5	1.6	74	78	59-120	5	20			
2-Fluorobiphenyl (S)	%				70	69	44-120					
Terphenyl-d14 (S)	%				63	65	49-120					

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

QC Batch: 416005 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40244709001, 40244709002, 40244709003

METHOD BLANK: 2395126 Matrix: Water
Associated Lab Samples: 40244709001, 40244709002, 40244709003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	05/18/22 11:32	

LABORATORY CONTROL SAMPLE: 2395127

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	21.3	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2395128 2395129

Parameter	Units	40244648001		2395128		2395129		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					MS % Rec
Sulfate	mg/L	295	400	400	400	720	755	106	115	90-110	5	15 M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2395130 2395131

Parameter	Units	40244709001		2395130		2395131		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					MS % Rec
Sulfate	mg/L	90.2	100	100	100	194	193	104	103	90-110	1	15

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

QC Batch: 416146 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244709004, 40244709005, 40244709006, 40244709008, 40244709009, 40244709010, 40244709011, 40244709012, 40244709013, 40244709014, 40244709015

METHOD BLANK: 2396062 Matrix: Water
Associated Lab Samples: 40244709004, 40244709005, 40244709006, 40244709008, 40244709009, 40244709010, 40244709011, 40244709012, 40244709013, 40244709014, 40244709015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	05/19/22 18:43	

LABORATORY CONTROL SAMPLE: 2396063

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2396064 2396065

Parameter	Units	40244709004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	252	1000	1000	1250	1330	100	108	90-110	7	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2396066 2396067

Parameter	Units	40244738001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	264	400	400	727	685	116	105	90-110	6	15 M0	

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

QC Batch:	415904	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate + Nitrite, preserved
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40244709001, 40244709002, 40244709003, 40244709004, 40244709005, 40244709006, 40244709008, 40244709009, 40244709010, 40244709011, 40244709012, 40244709013, 40244709014, 40244709015

METHOD BLANK: 2394699 Matrix: Water
Associated Lab Samples: 40244709001, 40244709002, 40244709003, 40244709004, 40244709005, 40244709006, 40244709008, 40244709009, 40244709010, 40244709011, 40244709012, 40244709013, 40244709014, 40244709015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.059	0.25	05/17/22 13:35	

LABORATORY CONTROL SAMPLE: 2394700

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2394701 2394702

Parameter	Units	40244709001 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	0.067J	2.5	2.5	2.3	2.3	91	91	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2394703 2394704

Parameter	Units	40244711002 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	2.2	2.5	2.5	4.6	4.6	97	97	90-110	0	20	

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QUALIFIERS

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

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: 415702

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

ANALYTE QUALIFIERS

1q There was no chance to reextract within sample hold time

B Analyte was detected in the associated method blank.

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

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.

R1 RPD value was outside control limits.

S0 Surrogate recovery outside laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40244709001	050922004	EPA 8015B Modified	415762		
40244709002	050922005	EPA 8015B Modified	415762		
40244709003	050922006	EPA 8015B Modified	415762		
40244709004	050922007	EPA 8015B Modified	415762		
40244709005	050922008	EPA 8015B Modified	415762		
40244709006	050922009	EPA 8015B Modified	415762		
40244709008	051022011	EPA 8015B Modified	415762		
40244709009	051022012	EPA 8015B Modified	415762		
40244709010	051022013	EPA 8015B Modified	415762		
40244709011	051022014	EPA 8015B Modified	415762		
40244709012	051022015	EPA 8015B Modified	415762		
40244709013	051022022	EPA 8015B Modified	415762		
40244709014	051022023	EPA 8015B Modified	416045		
40244709015	051022024	EPA 8015B Modified	416045		
40244709001	050922004	EPA 3010A	415498	EPA 6020B	415605
40244709002	050922005	EPA 3010A	415498	EPA 6020B	415605
40244709003	050922006	EPA 3010A	415498	EPA 6020B	415605
40244709004	050922007	EPA 3010A	415498	EPA 6020B	415605
40244709005	050922008	EPA 3010A	415498	EPA 6020B	415605
40244709006	050922009	EPA 3010A	415498	EPA 6020B	415605
40244709007	050922010	EPA 3010A	415498	EPA 6020B	415605
40244709008	051022011	EPA 3010A	415498	EPA 6020B	415605
40244709009	051022012	EPA 3010A	415498	EPA 6020B	415605
40244709010	051022013	EPA 3010A	415498	EPA 6020B	415605
40244709011	051022014	EPA 3010A	415498	EPA 6020B	415605
40244709012	051022015	EPA 3010A	415498	EPA 6020B	415605
40244709013	051022022	EPA 3010A	415498	EPA 6020B	415605
40244709014	051022023	EPA 3010A	415498	EPA 6020B	415605
40244709015	051022024	EPA 3010A	415498	EPA 6020B	415605
40244709016	051022025	EPA 3010A	415498	EPA 6020B	415605
40244709001	050922004	EPA 7470	416283	EPA 7470	416323
40244709002	050922005	EPA 7470	416283	EPA 7470	416323
40244709003	050922006	EPA 7470	416283	EPA 7470	416323
40244709004	050922007	EPA 7470	416283	EPA 7470	416323
40244709005	050922008	EPA 7470	416283	EPA 7470	416323
40244709006	050922009	EPA 7470	416283	EPA 7470	416323
40244709007	050922010	EPA 7470	416283	EPA 7470	416323
40244709008	051022011	EPA 7470	416283	EPA 7470	416323
40244709009	051022012	EPA 7470	416283	EPA 7470	416323
40244709010	051022013	EPA 7470	416283	EPA 7470	416323
40244709011	051022014	EPA 7470	416283	EPA 7470	416323
40244709012	051022015	EPA 7470	416283	EPA 7470	416323
40244709013	051022022	EPA 7470	416283	EPA 7470	416323
40244709014	051022023	EPA 7470	416283	EPA 7470	416323
40244709015	051022024	EPA 7470	416283	EPA 7470	416323
40244709016	051022025	EPA 7470	416283	EPA 7470	416323
40244709001	050922004	EPA 3510	415600	EPA 8270E by SIM	415622

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244709

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40244709002	050922005	EPA 3510	415600	EPA 8270E by SIM	415622
40244709003	050922006	EPA 3510	415600	EPA 8270E by SIM	415622
40244709004	050922007	EPA 3510	415600	EPA 8270E by SIM	415622
40244709005	050922008	EPA 3510	415600	EPA 8270E by SIM	415622
40244709006	050922009	EPA 3510	415600	EPA 8270E by SIM	415622
40244709007	050922010	EPA 3510	415600	EPA 8270E by SIM	415622
40244709008	051022011	EPA 3510	415663	EPA 8270E by SIM	415702
40244709009	051022012	EPA 3510	415663	EPA 8270E by SIM	415702
40244709010	051022013	EPA 3510	415663	EPA 8270E by SIM	415702
40244709011	051022014	EPA 3510	415663	EPA 8270E by SIM	415702
40244709012	051022015	EPA 3510	415663	EPA 8270E by SIM	415702
40244709013	051022022	EPA 3510	415663	EPA 8270E by SIM	415702
40244709014	051022023	EPA 3510	415663	EPA 8270E by SIM	415702
40244709015	051022024	EPA 3510	415663	EPA 8270E by SIM	415702
40244709016	051022025	EPA 3510	415663	EPA 8270E by SIM	415702
40244709001	050922004	EPA 8260	415506		
40244709002	050922005	EPA 8260	415506		
40244709003	050922006	EPA 8260	415506		
40244709004	050922007	EPA 8260	415506		
40244709005	050922008	EPA 8260	415506		
40244709006	050922009	EPA 8260	415506		
40244709007	050922010	EPA 8260	415506		
40244709008	051022011	EPA 8260	415506		
40244709009	051022012	EPA 8260	415506		
40244709010	051022013	EPA 8260	415506		
40244709011	051022014	EPA 8260	415506		
40244709012	051022015	EPA 8260	415506		
40244709013	051022022	EPA 8260	415506		
40244709014	051022023	EPA 8260	415506		
40244709015	051022024	EPA 8260	415506		
40244709016	051022025	EPA 8260	415506		
40244709017	051022026	EPA 8260	415624		
40244709018	051022027	EPA 8260	415624		
40244709001	050922004	EPA 300.0	416005		
40244709002	050922005	EPA 300.0	416005		
40244709003	050922006	EPA 300.0	416005		
40244709004	050922007	EPA 300.0	416146		
40244709005	050922008	EPA 300.0	416146		
40244709006	050922009	EPA 300.0	416146		
40244709008	051022011	EPA 300.0	416146		
40244709009	051022012	EPA 300.0	416146		
40244709010	051022013	EPA 300.0	416146		
40244709011	051022014	EPA 300.0	416146		
40244709012	051022015	EPA 300.0	416146		
40244709013	051022022	EPA 300.0	416146		
40244709014	051022023	EPA 300.0	416146		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244709

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40244709015	051022024	EPA 300.0	416146		
40244709001	050922004	EPA 353.2	415904		
40244709002	050922005	EPA 353.2	415904		
40244709003	050922006	EPA 353.2	415904		
40244709004	050922007	EPA 353.2	415904		
40244709005	050922008	EPA 353.2	415904		
40244709006	050922009	EPA 353.2	415904		
40244709008	051022011	EPA 353.2	415904		
40244709009	051022012	EPA 353.2	415904		
40244709010	051022013	EPA 353.2	415904		
40244709011	051022014	EPA 353.2	415904		
40244709012	051022015	EPA 353.2	415904		
40244709013	051022022	EPA 353.2	415904		
40244709014	051022023	EPA 353.2	415904		
40244709015	051022024	EPA 353.2	415904		

REPORT OF LABORATORY ANALYSIS

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QUAZ

CHAIN-OF-CUSTODY / Analytical Request Document

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

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

750285
 Cox 01253-522001
 40244709

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Ramboll		Report To: <u>Clasford, Duncan</u> <u>GDS DATA @ RAMBOLL</u>		Attention: <u>ACCOUNTS PAYABLE</u>	
Address: 415A S 3rd St.		Copy To:		Company Name: WEC	
Milwaukee, WI 53204		Email: <u>clasford@ramboll.com</u> <u>STU.GOLTZ@RAMBOLL.COM</u>		Address: <u>PO BOX 19800 GREEN BAY, WI 54207</u>	
Phone: 262-719-4512 Fax:		Project Name: Green Bay MGP		Pace Quote:	
Requested Due Date:		Project #: <u>1940101253</u>		Pace Project Manager: brian.basten@pacelabs.com,	
				Pace Profile #: 4543 / 15	

Page: 1 Of 3

Regulatory Agency: _____
 State / Location: WI

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample IDs must be unique	MATRIX Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Other OT Tissue TS	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives Unpreserved H2SO4 HNO3 HCl NaOH Na2S2O3 Methanol Other	ANALYSES TEST Y/N	Requested Analysis Filtered (Y/N)											Residual Chlorine (Y/N)
						START		END						BTEX-TMB's 8260	PAH by 8270 SIM (low vol)	Metals by 6020 / 7470	Nitrate + Nitrite	Sulfate	Trip BLANK	METHANE					
						DATE	TIME	DATE	TIME					X	X	X	X	X	X	X					
1	050922001			WT	G	5-9-22	1116			11	X	X	X	X	X	X	X	X	X			3			
2	050922002						1205			11	X	X	X	X	X	X	X	X	X			3			
3	050922003						1246			11	X	X	X	X	X	X	X	X	X			3			
4	050922004						1403			33	X	X	X	X	X	X	X	X	X			1	001		
5	050922005						1508			11	X	X	X	X	X	X	X	X	X			1	002		
6	050922006						1609			11	X	X	X	X	X	X	X	X	X			1	003		
7	050922007						1637			11	X	X	X	X	X	X	X	X	X			1	004		
8	050922008						1714			11	X	X	X	X	X	X	X	X	X			1	005		
9	050922009						1720			11	X	X	X	X	X	X	X	X	X			1	006		
10	050922010						1745			6	X	X	X	X	X	X	X	X	X			1	007		
11	051022011					5-10-22	714			11	X	X	X	X	X	X	X	X	X			1	008		
12	051022012						739			11	X	X	X	X	X	X	X	X	X			1	009		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Level 2	Delfia Raman	5-11-22	740	Mae	5-11-22	0740	35,45	Y	N	Y
As,Ba,Cd,Cr,Pb,Hg,Se,Ag,Fe,Mn							45,5			

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	
SIGNATURE of SAMPLER:	DATE Signed:

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	Y	Y

PACE DROP OFF



QC:AZ

CHAIN-OF-CUSTODY / Analytical Request Document

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COC 01253-522-001

40244709

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Ramboll		Report To: <u>Claudia Deane</u> <u>GOS DATA @ RAMBOLL.COM</u>		Invoice #: <u>ACCOUNTS PAYABLE</u>	
Address: 415A S 3rd St.		Copy To:		Company Name: WEC	
Milwaukee, WI 53204		Phase Order #:		Address: <u>PO BOX 19200 GREEN BAY, WI 54305</u>	
Email: <u>dglecford@ramboll.com</u>		Project Name: <u>Green Bay MGP</u>		Pace Quote:	
Phone: 262-719-4512 Fax:		Project #: <u>1940101253</u>		Pace Project Manager: <u>brian.basten@pacelabs.com</u>	
Requested Due Date:				Pace Profile #: 4543 / 15	

Page: 2 of 3

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Other OT Tissue TS	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives									Analytes Test	Requested Analytes Filtered (Y/N)	Residual Chlorine (Y/N)	State / Location WI					
						START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	BTEX+TMS's 8260					PAH by 8270 SIM (low vol)	Metals by 6020/7470	Nitrate + Nitrite Sulfate	Trip BLANK	
						DATE	TIME	DATE	TIME																				
1	051022013			WT	G	5/10/22	829			11	X	X	X	X					X	X	X	X	X	X			1	010	
2	051022014						906			11	X	X	X	X					X	X	X	X	X	X			1	011	
3	051022015						910			11	X	X	X	X					X	X	X	X	X	X			1	012	
4	051022016						950			11	X	X	X	X					X	X	X	X	X	X			2		
5	051022017						1037			11	X	X	X	X					X	X	X	X	X	X			2		
6	051022018						1122			11	X	X	X	X					X	X	X	X	X	X			2		
7	051022019						1218			11	X	X	X	X					X	X	X	X	X	X			2		
8	051022020						1313			11	X	X	X	X					X	X	X	X	X	X			4		
9	051022021						1410			11	X	X	X	X					X	X	X	X	X	X			4		
10	051022022						1523			11	X	X	X	X					X	X	X	X	X	X			1	013	
11	051022023						1610			11	X	X	X	X					X	X	X	X	X	X			1	014	
12	051022024						1708			11	X	X	X	X					X	X	X	X	X	X			1	015	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Level 2	<u>Dale</u> <u>Ramboll</u>	5-11-22	740	<u>Mae</u> <u>mhs</u>	5/11/22	740	4,5,5 Y N Y
As,Ba,Cd,Cr,Pb,Hg,Se,Ag,Fe,Mn							

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	
SIGNATURE of SAMPLER:	DATE Signed:

TEMP in C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
-----------	-----------------------	-----------------------------	----------------------

PACE DROP OFF



QC: AZ

CHAIN-OF-CUSTODY / Analytical Request Document

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

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

COC 01253-522-001

40244709

Section A

Required Client Information:

Company: Ramboll
 Address: 415A S 3rd St.
 Milwaukee, WI 53204
 Email: dglasford@ramboll.com
 Phone: 262-719-4512
 Requested Due Date:

Section B

Required Project Information:

Report To: ~~Claudio Duncanson~~ GDS DATA@RAMBOLL.COM
 Copy To:
 Project Name: Green Bay MGP
 Project #: 1940101253

Section C

Invoice Information:

Company Name: WEC
 Address: PO BOX 19800 GREEN BAY, WI 53930
 Pace Quote:
 Pace Project Manager: brian.basten@pacelabs.com
 Pace Profile #: 4543 / 15

Page: 3 of 3

Regulatory Agency:
 State / Location: WI

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample ids must be unique	MATRIX Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Other OT Tissue TS	CODE	COLLECTED				SAMPLE TEMP AT COLLECTION	Preservatives								Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)								
				START DATE	START TIME	END DATE	END TIME		Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other			Analyses Test							
1	05022 025	WT	G	5/10/22	1730			6	X	X	X								X	X	X			1	016	
2	051022 026							2			X											X			1	017
3	051022 027							2			X											X			1	018
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	
Level 2	<i>[Signature]</i> Ramboll	5/11/22	740	<i>[Signature]</i>	5/11/22	0740	3.5, 4.5, 5.5	Y N Y
As, Ba, Cd, Cr, Pb, Hg, Se, Ag, Fe, Mn								

PAGE DROP OFF

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed:

TEMP in C

Received on Ice (Y/N)


Custody Sealed (Y/N)

Cooler (Y/N)

Samples Intact (Y/N)

Sample Condition Upon Receipt Form (SCUR)

Client Name: Ramboll
 Courier: CS Logistics Fed Ex Speedee UPS Walto
 Client Pace Other: _____

Project #: **WO#: 40244709**

 40244709

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 - 110 Type of Ice: Blue Dry None Samples on ice, cooling process has begun
 Cooler Temperature 3.5, 4.5, 4.5, 5 (Corr: 3.5, 4.5, 4.5, 5)
 Temp Blank Present: yes no Biological Tissue is Frozen: yes no
 Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:
 Date: 5/11/22 /Initials: scw
 Labeled By Initials: scw

Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out: <u>5/11/22</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>Filter</u>
Chain of Custody Relinquished: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC: <u>5/11/22</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No - VOA Samples frozen upon receipt <input type="checkbox"/> Yes <input type="checkbox"/> No	5. Date/Time: _____
Short Hold Time Analysis (<72hr): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No -Pace Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A -Pace IR Containers Used: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9.
Containers Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A -Includes date/time/ID/Analysis Matrix: <u>W</u>	12. <u>013-1-AGSU FD is 05102202; Packaged with other AGSU.</u>
Trip Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Trip Blank Custody Seals Present <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Pace Trip Blank Lot # (if purchased): <u>483</u>	13. <u>5/11/22</u>

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

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

June 02, 2022

Staci Goetz
Ramboll US Consulting, Inc.
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204

RE: Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244711

Dear Staci Goetz:

Enclosed are the analytical results for sample(s) received by the laboratory on May 11, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

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

Sincerely,



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

Enclosures

cc: Phil Brochocki, Ramboll
NRT Data, Ramboll
Eric Hritsuk, Ramboll
Kyle Schaefer, Ramboll Americas
Dan Vachon, Ramboll



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244711

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244711

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40244711001	051022020	Water	05/10/22 13:13	05/11/22 07:40
40244711002	051022021	Water	05/10/22 14:10	05/11/22 07:40

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244711

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40244711001	051022020	EPA 8015B Modified	KHB	1
		EPA 6020B	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	EIB	11
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40244711002	051022021	EPA 8015B Modified	KHB	1
		EPA 6020B	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	JAV	11
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244711

Method: EPA 8015B Modified

Description: Methane, Ethane, Ethene GCV

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

Date: June 02, 2022

General Information:

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

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Surrogates:

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

Method Blank:

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

QC Batch: 416045

B: Analyte was detected in the associated method blank.

- BLANK for HBN 416045 [GCV/2131 (Lab ID: 2395458)
- Methane

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: 416045

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40244697006

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

- MSD (Lab ID: 2395462)
- Methane

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244711

Method: EPA 6020B

Description: 6020B MET ICPMS

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

Date: June 02, 2022

General Information:

2 samples were analyzed for EPA 6020B by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244711

Method: EPA 7470

Description: 7470 Mercury

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

Date: June 02, 2022

General Information:

2 samples were analyzed for EPA 7470 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 7470 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:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244711

Method: EPA 8270E by SIM

Description: 8270E MSSV PAH

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

Date: June 02, 2022

General Information:

2 samples were analyzed for EPA 8270E by SIM by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

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: 415663

R1: RPD value was outside control limits.

- LCSD (Lab ID: 2393066)
- Dibenz(a,h)anthracene

Matrix Spikes:

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

QC Batch: 415663

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244711

Method: EPA 8260

Description: 8260 MSV UST

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

Date: June 02, 2022

General Information:

2 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.

QC Batch: 415624

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

- LCS (Lab ID: 2392883)
- Ethylbenzene

Matrix Spikes:

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

QC Batch: 415624

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40244767001

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

- MS (Lab ID: 2393448)
- Ethylbenzene

Additional Comments:

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244711

Method: EPA 8260

Description: 8260 MSV UST

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

Date: June 02, 2022

Analyte Comments:

QC Batch: 415979

- 051022020 (Lab ID: 40244711001)
 - Toluene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244711

Method: EPA 300.0

Description: 300.0 IC Anions

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

Date: June 02, 2022

General Information:

2 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: 416146

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40244709004,40244738001

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

- MS (Lab ID: 2396066)
- Sulfate

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244711

Method: EPA 353.2

Description: 353.2 Nitrogen, NO₂/NO₃ pres.

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

Date: June 02, 2022

General Information:

2 samples were analyzed for EPA 353.2 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244711

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 051022020 Lab ID: 40244711001 Collected: 05/10/22 13:13 Received: 05/11/22 07:40 Matrix: Water									
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Ethylbenzene	31.8	ug/L	5.0	1.6	5		05/18/22 15:00	100-41-4	
Toluene	2.8J	ug/L	5.0	1.4	5		05/18/22 15:00	108-88-3	
1,2,4-Trimethylbenzene	21.7	ug/L	5.0	2.2	5		05/18/22 15:00	95-63-6	
1,3,5-Trimethylbenzene	<1.8	ug/L	5.0	1.8	5		05/18/22 15:00	108-67-8	
Xylene (Total)	48.4	ug/L	15.0	5.2	5		05/18/22 15:00	1330-20-7	
m&p-Xylene	28.6	ug/L	10.0	3.5	5		05/18/22 15:00	179601-23-1	
o-Xylene	19.7	ug/L	5.0	1.7	5		05/18/22 15:00	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		5		05/18/22 15:00	2037-26-5	
4-Bromofluorobenzene (S)	105	%	70-130		5		05/18/22 15:00	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		5		05/18/22 15:00	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	476	mg/L	40.0	8.9	20		05/20/22 16:59	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.34	mg/L	0.25	0.059	1		05/17/22 13:53		

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 051022021 Lab ID: 40244711002 Collected: 05/10/22 14:10 Received: 05/11/22 07:40 Matrix: Water									
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	4.8	ug/L	2.8	0.58	1		05/18/22 10:49	74-82-8	B
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Arsenic	0.69J	ug/L	1.0	0.28	1	05/20/22 07:57	06/01/22 05:43	7440-38-2	
Barium	50.9	ug/L	2.3	0.70	1	05/20/22 07:57	06/01/22 05:43	7440-39-3	
Cadmium	<0.15	ug/L	1.0	0.15	1	05/20/22 07:57	06/01/22 05:43	7440-43-9	
Chromium	<1.0	ug/L	3.4	1.0	1	05/20/22 07:57	06/01/22 05:43	7440-47-3	
Iron	<58.0	ug/L	250	58.0	1	05/20/22 07:57	06/01/22 05:43	7439-89-6	
Lead	<0.24	ug/L	1.0	0.24	1	05/20/22 07:57	06/01/22 05:43	7439-92-1	
Manganese	428	ug/L	4.0	1.2	1	05/20/22 07:57	06/01/22 05:43	7439-96-5	
Selenium	<0.32	ug/L	1.1	0.32	1	05/20/22 07:57	06/01/22 05:43	7782-49-2	
Silver	<0.13	ug/L	0.50	0.13	1	05/20/22 07:57	06/01/22 05:43	7440-22-4	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay									
Mercury	<0.066	ug/L	0.20	0.066	1	05/24/22 10:20	05/25/22 08:04	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244711

QC Batch: 416045 Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244711001, 40244711002

METHOD BLANK: 2395458 Matrix: Water
Associated Lab Samples: 40244711001, 40244711002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	1.5J	2.8	05/18/22 08:13	

LABORATORY CONTROL SAMPLE & LCSD: 2395459 2395460

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Methane	ug/L	28.6	29.8	29.7	104	104	73-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2395461 2395462

Parameter	Units	40244697006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methane	ug/L	167	28.6	28.6	209	230	146	222	10-200	10	20	M1

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244711

QC Batch: 416522

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40244711001, 40244711002

METHOD BLANK: 2398146

Matrix: Water

Associated Lab Samples: 40244711001, 40244711002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.066	0.20	05/25/22 07:52	

LABORATORY CONTROL SAMPLE: 2398147

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.1	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2398148 2398149

Parameter	Units	2398148		2398149		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40244711001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Mercury	ug/L	<0.066	5	5	5.0	4.8	101	96	85-115	5	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244711

QC Batch: 416293 Analysis Method: EPA 6020B
QC Batch Method: EPA 3010A Analysis Description: 6020B MET
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40244711001, 40244711002

METHOD BLANK: 2396981 Matrix: Water
Associated Lab Samples: 40244711001, 40244711002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	<0.28	1.0	06/01/22 07:12	
Barium	ug/L	<0.70	2.3	06/01/22 07:12	
Cadmium	ug/L	<0.15	1.0	06/01/22 07:12	
Chromium	ug/L	<1.0	3.4	06/01/22 07:12	
Iron	ug/L	<58.0	250	06/01/22 07:12	
Lead	ug/L	<0.24	1.0	06/01/22 07:12	
Manganese	ug/L	<1.2	4.0	06/01/22 07:12	
Selenium	ug/L	<0.32	1.1	06/01/22 07:12	
Silver	ug/L	<0.13	0.50	06/01/22 07:12	

LABORATORY CONTROL SAMPLE: 2396982

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	259	104	80-120	
Barium	ug/L	250	259	104	80-120	
Cadmium	ug/L	250	272	109	80-120	
Chromium	ug/L	250	247	99	80-120	
Iron	ug/L	10000	10300	103	80-120	
Lead	ug/L	250	266	106	80-120	
Manganese	ug/L	250	258	103	80-120	
Selenium	ug/L	250	286	114	80-120	
Silver	ug/L	125	138	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2396983 2396984

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40244708001 Result	Spike Conc.	Spike Conc.	Result							Result
Arsenic	ug/L	0.56J	250	250	255	252	102	101	75-125	1	20	
Barium	ug/L	142	250	250	409	396	107	101	75-125	3	20	
Cadmium	ug/L	<0.15	250	250	251	249	100	99	75-125	1	20	
Chromium	ug/L	<1.0	250	250	244	239	97	95	75-125	2	20	
Iron	ug/L	<58.0	10000	10000	9750	9500	97	95	75-125	3	20	
Lead	ug/L	<0.24	250	250	280	272	112	109	75-125	3	20	
Manganese	ug/L	99.1	250	250	347	339	99	96	75-125	2	20	
Selenium	ug/L	15.3	250	250	280	276	106	104	75-125	1	20	
Silver	ug/L	<0.13	125	125	120	118	96	95	75-125	2	20	

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244711

QC Batch: 415624 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40244711002

METHOD BLANK: 2392882 Matrix: Water
Associated Lab Samples: 40244711002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	05/13/22 16:33	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	05/13/22 16:33	
Benzene	ug/L	<0.30	1.0	05/13/22 16:33	
Ethylbenzene	ug/L	<0.33	1.0	05/13/22 16:33	
m&p-Xylene	ug/L	<0.70	2.0	05/13/22 16:33	
o-Xylene	ug/L	<0.35	1.0	05/13/22 16:33	
Toluene	ug/L	<0.29	1.0	05/13/22 16:33	
Xylene (Total)	ug/L	<1.0	3.0	05/13/22 16:33	
1,2-Dichlorobenzene-d4 (S)	%	92	70-130	05/13/22 16:33	
4-Bromofluorobenzene (S)	%	95	70-130	05/13/22 16:33	
Toluene-d8 (S)	%	100	70-130	05/13/22 16:33	

LABORATORY CONTROL SAMPLE: 2392883

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	54.1	108	70-130	
Ethylbenzene	ug/L	50	62.2	124	80-120	L1
m&p-Xylene	ug/L	100	115	115	70-130	
o-Xylene	ug/L	50	57.9	116	70-130	
Toluene	ug/L	50	55.4	111	80-120	
Xylene (Total)	ug/L	150	173	115	70-130	
1,2-Dichlorobenzene-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2393448 2393449

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40244767001 Result	Spike Conc.	Spike Conc.	Result						
Benzene	ug/L	<0.30	50	50	53.6	53.5	107	107	70-130	0	20
Ethylbenzene	ug/L	<0.33	50	50	62.3	60.3	125	121	80-121	3	20 M0
m&p-Xylene	ug/L	<0.70	100	100	114	111	114	111	70-130	3	20
o-Xylene	ug/L	<0.35	50	50	57.2	56.0	114	112	70-130	2	20
Toluene	ug/L	<0.29	50	50	56.8	54.1	114	108	80-120	5	20
Xylene (Total)	ug/L	<1.0	150	150	171	167	114	111	70-130	3	20
1,2-Dichlorobenzene-d4 (S)	%						99	97	70-130		
4-Bromofluorobenzene (S)	%						97	94	70-130		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244711

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2393448												2393449	
Parameter	Units	40244767001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Toluene-d8 (S)	%						100	98	70-130				

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244711

QC Batch: 415979

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV UST-WATER

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40244711001

METHOD BLANK: 2394985

Matrix: Water

Associated Lab Samples: 40244711001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	05/17/22 15:38	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	05/17/22 15:38	
Benzene	ug/L	<0.30	1.0	05/17/22 15:38	
Ethylbenzene	ug/L	<0.33	1.0	05/17/22 15:38	
m&p-Xylene	ug/L	<0.70	2.0	05/17/22 15:38	
o-Xylene	ug/L	<0.35	1.0	05/17/22 15:38	
Toluene	ug/L	<0.29	1.0	05/17/22 15:38	
Xylene (Total)	ug/L	<1.0	3.0	05/17/22 15:38	
1,2-Dichlorobenzene-d4 (S)	%	109	70-130	05/17/22 15:38	
4-Bromofluorobenzene (S)	%	111	70-130	05/17/22 15:38	
Toluene-d8 (S)	%	101	70-130	05/17/22 15:38	

LABORATORY CONTROL SAMPLE: 2394986

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	53.3	107	70-130	
Ethylbenzene	ug/L	50	56.1	112	80-120	
m&p-Xylene	ug/L	100	110	110	70-130	
o-Xylene	ug/L	50	52.3	105	70-130	
Toluene	ug/L	50	53.8	108	80-120	
Xylene (Total)	ug/L	150	162	108	70-130	
1,2-Dichlorobenzene-d4 (S)	%			104	70-130	
4-Bromofluorobenzene (S)	%			110	70-130	
Toluene-d8 (S)	%			101	70-130	

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244711

QC Batch: 415663 Analysis Method: EPA 8270E by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270E Water PAH
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40244711001, 40244711002

METHOD BLANK: 2393064 Matrix: Water
Associated Lab Samples: 40244711001, 40244711002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.018	0.050	05/13/22 11:44	
2-Methylnaphthalene	ug/L	<0.014	0.050	05/13/22 11:44	
Acenaphthene	ug/L	<0.014	0.050	05/13/22 11:44	
Acenaphthylene	ug/L	<0.013	0.050	05/13/22 11:44	
Anthracene	ug/L	<0.018	0.050	05/13/22 11:44	
Benzo(a)anthracene	ug/L	<0.014	0.050	05/13/22 11:44	
Benzo(a)pyrene	ug/L	<0.020	0.050	05/13/22 11:44	
Benzo(b)fluoranthene	ug/L	<0.020	0.050	05/13/22 11:44	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	05/13/22 11:44	
Benzo(k)fluoranthene	ug/L	<0.022	0.050	05/13/22 11:44	
Chrysene	ug/L	<0.027	0.050	05/13/22 11:44	
Dibenz(a,h)anthracene	ug/L	<0.018	0.050	05/13/22 11:44	
Fluoranthene	ug/L	<0.026	0.050	05/13/22 11:44	
Fluorene	ug/L	<0.024	0.050	05/13/22 11:44	
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	0.050	05/13/22 11:44	
Naphthalene	ug/L	<0.020	0.050	05/13/22 11:44	
Phenanthrene	ug/L	<0.026	0.050	05/13/22 11:44	
Pyrene	ug/L	<0.023	0.050	05/13/22 11:44	
2-Fluorobiphenyl (S)	%	83	44-120	05/13/22 11:44	
Terphenyl-d14 (S)	%	75	49-120	05/13/22 11:44	

LABORATORY CONTROL SAMPLE & LCSD: 2393065 2393066

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	2	1.5	1.5	73	73	51-120	0	20	
2-Methylnaphthalene	ug/L	2	1.4	1.4	71	71	50-120	0	20	
Acenaphthene	ug/L	2	1.7	1.7	83	84	65-120	1	20	
Acenaphthylene	ug/L	2	1.6	1.5	78	77	61-120	0	20	
Anthracene	ug/L	2	1.7	1.6	83	82	61-104	1	20	
Benzo(a)anthracene	ug/L	2	1.2	1.1	61	56	51-96	8	20	
Benzo(a)pyrene	ug/L	2	1.7	1.6	83	81	68-120	2	20	
Benzo(b)fluoranthene	ug/L	2	1.6	1.6	80	81	55-97	2	20	
Benzo(g,h,i)perylene	ug/L	2	1.6	1.5	79	75	69-120	5	20	
Benzo(k)fluoranthene	ug/L	2	1.8	1.8	89	88	73-120	2	20	
Chrysene	ug/L	2	2.0	2.1	102	107	72-126	5	20	
Dibenz(a,h)anthracene	ug/L	2	1.7	1.3	84	63	57-115	28	20	R1
Fluoranthene	ug/L	2	1.5	1.6	77	79	58-111	2	20	
Fluorene	ug/L	2	1.7	1.7	83	85	62-120	1	20	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.6	1.5	78	74	66-120	5	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244711

Parameter	Units	2393065		2393066		% Rec	LCS	LCS	% Rec	Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCS Result	LCS % Rec								
Naphthalene	ug/L	2	1.5	1.5	74	76	53-120	2	20				
Phenanthrene	ug/L	2	1.5	1.5	73	74	59-120	2	20				
Pyrene	ug/L	2	1.5	1.6	74	78	59-120	5	20				
2-Fluorobiphenyl (S)	%				70	69	44-120						
Terphenyl-d14 (S)	%				63	65	49-120						

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244711

QC Batch: 416146

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40244711001, 40244711002

METHOD BLANK: 2396062

Matrix: Water

Associated Lab Samples: 40244711001, 40244711002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	05/19/22 18:43	

LABORATORY CONTROL SAMPLE: 2396063

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2396064 2396065

Parameter	Units	40244709004		2396065		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Sulfate	mg/L	252	1000	1000	1250	1330	100	108	90-110	7	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2396066 2396067

Parameter	Units	40244738001		2396067		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Sulfate	mg/L	264	400	400	727	685	116	105	90-110	6	15 M0	

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244711

QC Batch: 415904 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244711001, 40244711002

METHOD BLANK: 2394699 Matrix: Water
Associated Lab Samples: 40244711001, 40244711002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.059	0.25	05/17/22 13:35	

LABORATORY CONTROL SAMPLE: 2394700

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2394701 2394702

Parameter	Units	40244709001		2394701		2394702		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Result					MS % Rec
Nitrogen, NO2 plus NO3	mg/L	0.067J	2.5	2.5	2.3	2.3	91	91	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2394703 2394704

Parameter	Units	40244711002		2394703		2394704		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Result					MS % Rec
Nitrogen, NO2 plus NO3	mg/L	2.2	2.5	2.5	4.6	4.6	97	97	90-110	0	20	

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QUALIFIERS

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244711

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: 415702

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

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

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.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244711

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40244711001	051022020	EPA 8015B Modified	416045		
40244711002	051022021	EPA 8015B Modified	416045		
40244711001	051022020	EPA 3010A	416293	EPA 6020B	416357
40244711002	051022021	EPA 3010A	416293	EPA 6020B	416357
40244711001	051022020	EPA 7470	416522	EPA 7470	416577
40244711002	051022021	EPA 7470	416522	EPA 7470	416577
40244711001	051022020	EPA 3510	415663	EPA 8270E by SIM	415702
40244711002	051022021	EPA 3510	415663	EPA 8270E by SIM	415702
40244711001	051022020	EPA 8260	415979		
40244711002	051022021	EPA 8260	415624		
40244711001	051022020	EPA 300.0	416146		
40244711002	051022021	EPA 300.0	416146		
40244711001	051022020	EPA 353.2	415904		
40244711002	051022021	EPA 353.2	415904		

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QUAZ

750285

CoC 01253-522001

40244711

CHAIN-OF-CUSTODY / Analytical Request Document

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

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

Section A

Section B

Section C

Required Client Information:

Required Project Information:

Invoice Information:

Page: 1 Of 3

Company: Ramboll	Report To: <i>GlaxoSmithKline</i>	Attention: ACCOUNTS PAYABLE
Address: 415A S 3rd St.	Copy To: <i>MSDATA@RAMBOLL.COM</i>	Company Name: WEC
Milwaukee, WI 53204	Project Name: Green Bay MGP	Address: PO BOX 19800 GREEN BAY, WI 53407
Email: <i>eglesford@ramboll.com</i>	Project #: 194010753	Pace Quote:
Phone: 262-719-4512		Pace Project Manager: <i>brian.basten@pacelabs.com</i>
Requested Due Date:		Pace Profile #: 4543 / 15

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample IDs must be unique	MATRIX CODE (see valid codes to left)	CODE Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Other OT Tissue TS	SAMPLE TYPE (G=GRAB C=COMPF)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives											Analytes Test	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)
					START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	BTEX+TMB's 8260	PAH by 8270 SIM (low vol)	Metals by 6020 / 7470		Nitrate + Nitrite	Sulfate	Trip BLANK	METHANE	Methane						
					DATE	TIME	DATE	TIME																									
1	050922001	WTG			5-9-22	1116			11	X	X	X	X									X	X	X	X	X	X	X					3
2	050922002					1205			11	X	X	X	X									X	X	X	X	X	X	X					3
3	050922003					1246			11	X	X	X	X									X	X	X	X	X	X	X					3
4	050922004					1408			33	X	X	X	X									X	X	X	X	X	X	X					1
5	050922005					1508			11	X	X	X	X									X	X	X	X	X	X	X					1
6	050922006					1609			11	X	X	X	X									X	X	X	X	X	X	X					1
7	050922007					1637			11	X	X	X	X									X	X	X	X	X	X	X					1
8	050922008					1714			11	X	X	X	X									X	X	X	X	X	X	X					1
9	050922009					1720			11	X	X	X	X									X	X	X	X	X	X	X					1
10	050922010					1745			6	X		X	X									X	X	X	X	X	X	X					1
11	051022011				5-10-22	714			11	X	X	X	X									X	X	X	X	X	X	X					1
12	051022012				5-10-22	739			11	X	X	X	X									X	X	X	X	X	X	X					1

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
							TEMP IN C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	<i>Brian Basten</i>	5-1-22	740	<i>Maura</i>	5-11-22	0740	35.45	Y	N	Y
							45.5			

PAGE DROP OFF

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER:
 SIGNATURE of SAMPLER: _____
 DATE Signed:

TEMP IN C
 Received on Ice (Y/N)
 Custody Sealed Cooler (Y/N)
 Samples Intact (Y/N)

Sample Condition Upon Receipt Form (SCUR)

Client Name: Ramboll

Project #:

WO#: 40244711



40244711

Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____

Tracking #: _____

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

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

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - 110 Type of Ice: Blue Dry None

Samples on ice, cooling process has begun

Cooler Temperature 3.5, 4.5, 4.5, 5 (Corr: 3.5, 4.5, 4.5, 5)

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Person examining contents:

Date: 5/1/22 /Initials: SECW

Temp should be above freezing to 6°C.

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

Labeled By Initials: mh

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

Client Notification/ Resolution:

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 login

June 07, 2022

Staci Goetz
Ramboll US Consulting, Inc.
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204

RE: Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244712

Dear Staci Goetz:

Enclosed are the analytical results for sample(s) received by the laboratory on May 11, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

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

Sincerely,



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

Enclosures

cc: Phil Brochocki, Ramboll
NRT Data, Ramboll
Eric Hritsuk, Ramboll
Kyle Schaefer, Ramboll Americas
Dan Vachon, Ramboll



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244712

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244712

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40244712001	051022016	Water	05/10/22 09:50	05/11/22 07:40
40244712002	051022017	Water	05/10/22 10:37	05/11/22 07:40
40244712003	051022018	Water	05/10/22 11:22	05/11/22 07:40
40244712004	051022019	Water	05/10/22 12:18	05/11/22 07:40

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244712

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40244712001	051022016	EPA 8015B Modified	KHB	1
		EPA 6020B	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	EIB	11
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40244712002	051022017	EPA 8015B Modified	KHB	1
		EPA 6020B	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	EIB	11
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40244712003	051022018	EPA 8015B Modified	KHB	1
		EPA 6020B	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	EIB	11
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40244712004	051022019	EPA 8015B Modified	KHB	1
		EPA 6020B	KXS	9
		EPA 7470	AJT	1
		EPA 8270E by SIM	RJN	20
		EPA 8260	EIB	11
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244712

Method: EPA 8015B Modified

Description: Methane, Ethane, Ethene GCV

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

Date: June 07, 2022

General Information:

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

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Surrogates:

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

Method Blank:

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

QC Batch: 416045

B: Analyte was detected in the associated method blank.

- BLANK for HBN 416045 [GCV/2131 (Lab ID: 2395458)]
- Methane

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: 416045

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40244697006

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

- MSD (Lab ID: 2395462)
- Methane

Additional Comments:

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244712

Method: EPA 6020B

Description: 6020B MET ICPMS

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

Date: June 07, 2022

General Information:

4 samples were analyzed for EPA 6020B by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Method Blank:

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

QC Batch: 415498

B: Analyte was detected in the associated method blank.

- BLANK for HBN 415498 [MPRP/271 (Lab ID: 2392144)]
 - Chromium
 - Iron
 - Lead

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: 415498

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

- 051022016 (Lab ID: 40244712001)
 - Silver
 - Cadmium

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244712

Method: EPA 6020B

Description: 6020B MET ICPMS

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

Date: June 07, 2022

Analyte Comments:

QC Batch: 415498

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

- 051022016 (Lab ID: 40244712001)

- Chromium
- Lead
- Selenium

- 051022017 (Lab ID: 40244712002)

- Silver
- Arsenic
- Cadmium
- Chromium
- Iron
- Manganese
- Lead
- Selenium

- 051022018 (Lab ID: 40244712003)

- Silver
- Arsenic
- Cadmium
- Chromium
- Iron
- Manganese
- Lead
- Selenium

- 051022019 (Lab ID: 40244712004)

- Silver
- Arsenic
- Cadmium
- Chromium
- Iron
- Lead
- Selenium

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244712

Method: EPA 7470
Description: 7470 Mercury
Client: O'Brien & Gere Engineers, Inc Integrys WI
Date: June 07, 2022

General Information:

4 samples were analyzed for EPA 7470 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 7470 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:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244712

Method: EPA 8270E by SIM

Description: 8270E MSSV PAH

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

Date: June 07, 2022

General Information:

4 samples were analyzed for EPA 8270E by SIM by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

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: 415663

R1: RPD value was outside control limits.

- LCSD (Lab ID: 2393066)
- Dibenz(a,h)anthracene

Matrix Spikes:

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

QC Batch: 415663

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

Additional Comments:

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244712

Method: EPA 8260

Description: 8260 MSV UST

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

Date: June 07, 2022

General Information:

4 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:

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244712

Method: EPA 300.0

Description: 300.0 IC Anions

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

Date: June 07, 2022

General Information:

4 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: 416146

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40244709004,40244738001

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

- MS (Lab ID: 2396066)
- Sulfate

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244712

Method: EPA 353.2

Description: 353.2 Nitrogen, NO₂/NO₃ pres.

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

Date: June 07, 2022

General Information:

4 samples were analyzed for EPA 353.2 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244712

Sample: 051022016 **Lab ID: 40244712001** Collected: 05/10/22 09:50 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	56.0	ug/L	2.8	0.58	1		05/18/22 10:56	74-82-8	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Arsenic	2.5	ug/L	2.0	0.56	2	05/12/22 05:47	06/04/22 03:40	7440-38-2	
Barium	227	ug/L	4.7	1.4	2	05/12/22 05:47	06/04/22 03:40	7440-39-3	
Cadmium	<0.30	ug/L	2.0	0.30	2	05/12/22 05:47	06/04/22 03:40	7440-43-9	D3
Chromium	<2.0	ug/L	6.8	2.0	2	05/12/22 05:47	06/07/22 05:39	7440-47-3	D3
Iron	5460	ug/L	500	116	2	05/12/22 05:47	06/04/22 03:40	7439-89-6	
Lead	1.8J	ug/L	2.0	0.47	2	05/12/22 05:47	06/04/22 03:40	7439-92-1	B,D3
Manganese	1990	ug/L	8.1	2.4	2	05/12/22 05:47	06/04/22 03:40	7439-96-5	
Selenium	<0.63	ug/L	2.1	0.63	2	05/12/22 05:47	06/04/22 03:40	7782-49-2	D3
Silver	<0.25	ug/L	1.0	0.25	2	05/12/22 05:47	06/04/22 03:40	7440-22-4	D3
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay									
Mercury	<0.066	ug/L	0.20	0.066	1	05/24/22 10:20	05/25/22 08:06	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	<0.014	ug/L	0.049	0.014	1	05/13/22 07:39	05/16/22 19:13	83-32-9	
Acenaphthylene	<0.012	ug/L	0.049	0.012	1	05/13/22 07:39	05/16/22 19:13	208-96-8	
Anthracene	<0.018	ug/L	0.049	0.018	1	05/13/22 07:39	05/16/22 19:13	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.049	0.013	1	05/13/22 07:39	05/16/22 19:13	56-55-3	
Benzo(a)pyrene	<0.019	ug/L	0.049	0.019	1	05/13/22 07:39	05/16/22 19:13	50-32-8	
Benzo(b)fluoranthene	0.066	ug/L	0.049	0.019	1	05/13/22 07:39	05/16/22 19:13	205-99-2	
Benzo(g,h,i)perylene	0.044J	ug/L	0.049	0.023	1	05/13/22 07:39	05/16/22 19:13	191-24-2	
Benzo(k)fluoranthene	0.032J	ug/L	0.049	0.022	1	05/13/22 07:39	05/16/22 19:13	207-08-9	
Chrysene	0.052	ug/L	0.049	0.026	1	05/13/22 07:39	05/16/22 19:13	218-01-9	
Dibenz(a,h)anthracene	<0.017	ug/L	0.049	0.017	1	05/13/22 07:39	05/16/22 19:13	53-70-3	
Fluoranthene	0.089	ug/L	0.049	0.025	1	05/13/22 07:39	05/16/22 19:13	206-44-0	
Fluorene	<0.023	ug/L	0.049	0.023	1	05/13/22 07:39	05/16/22 19:13	86-73-7	
Indeno(1,2,3-cd)pyrene	0.034J	ug/L	0.049	0.015	1	05/13/22 07:39	05/16/22 19:13	193-39-5	
1-Methylnaphthalene	<0.017	ug/L	0.049	0.017	1	05/13/22 07:39	05/16/22 19:13	90-12-0	
2-Methylnaphthalene	<0.013	ug/L	0.049	0.013	1	05/13/22 07:39	05/16/22 19:13	91-57-6	
Naphthalene	<0.019	ug/L	0.049	0.019	1	05/13/22 07:39	05/16/22 19:13	91-20-3	
Phenanthrene	0.040J	ug/L	0.049	0.025	1	05/13/22 07:39	05/16/22 19:13	85-01-8	
Pyrene	0.065	ug/L	0.049	0.022	1	05/13/22 07:39	05/16/22 19:13	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	76	%	44-120		1	05/13/22 07:39	05/16/22 19:13	321-60-8	
Terphenyl-d14 (S)	70	%	49-120		1	05/13/22 07:39	05/16/22 19:13	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		05/16/22 11:57	71-43-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244712

Sample: 051022016 **Lab ID:** 40244712001 Collected: 05/10/22 09:50 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/16/22 11:57	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/16/22 11:57	108-88-3	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/16/22 11:57	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/16/22 11:57	108-67-8	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/16/22 11:57	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/16/22 11:57	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/16/22 11:57	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1		05/16/22 11:57	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130		1		05/16/22 11:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		05/16/22 11:57	2199-69-1	

300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	344	mg/L	40.0	8.9	20		05/20/22 18:11	14808-79-8	
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		05/17/22 13:59		

Sample: 051022017 **Lab ID:** 40244712002 Collected: 05/10/22 10:37 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	1.0J	ug/L	2.8	0.58	1		05/18/22 11:03	74-82-8	B
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Arsenic	0.63J	ug/L	2.0	0.56	2	05/12/22 05:47	06/04/22 03:47	7440-38-2	D3
Barium	89.5	ug/L	4.7	1.4	2	05/12/22 05:47	06/04/22 03:47	7440-39-3	
Cadmium	<0.30	ug/L	2.0	0.30	2	05/12/22 05:47	06/04/22 03:47	7440-43-9	D3
Chromium	<2.0	ug/L	6.8	2.0	2	05/12/22 05:47	06/07/22 04:55	7440-47-3	D3
Iron	<116	ug/L	500	116	2	05/12/22 05:47	06/04/22 03:47	7439-89-6	D3
Lead	1.5J	ug/L	2.0	0.47	2	05/12/22 05:47	06/04/22 03:47	7439-92-1	B,D3
Manganese	4.2J	ug/L	8.1	2.4	2	05/12/22 05:47	06/04/22 03:47	7439-96-5	D3
Selenium	<0.63	ug/L	2.1	0.63	2	05/12/22 05:47	06/04/22 03:47	7782-49-2	D3
Silver	<0.25	ug/L	1.0	0.25	2	05/12/22 05:47	06/04/22 03:47	7440-22-4	D3
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay									
Mercury	<0.066	ug/L	0.20	0.066	1	05/24/22 10:20	05/25/22 08:08	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244712

Sample: **051022017** Lab ID: **40244712002** Collected: 05/10/22 10:37 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.014	ug/L	0.049	0.014	1	05/13/22 07:39	05/16/22 19:32	83-32-9	
Acenaphthylene	<0.012	ug/L	0.049	0.012	1	05/13/22 07:39	05/16/22 19:32	208-96-8	
Anthracene	0.025J	ug/L	0.049	0.018	1	05/13/22 07:39	05/16/22 19:32	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.049	0.013	1	05/13/22 07:39	05/16/22 19:32	56-55-3	
Benzo(a)pyrene	0.086	ug/L	0.049	0.019	1	05/13/22 07:39	05/16/22 19:32	50-32-8	
Benzo(b)fluoranthene	0.17	ug/L	0.049	0.019	1	05/13/22 07:39	05/16/22 19:32	205-99-2	
Benzo(g,h,i)perylene	0.12	ug/L	0.049	0.023	1	05/13/22 07:39	05/16/22 19:32	191-24-2	
Benzo(k)fluoranthene	0.078	ug/L	0.049	0.022	1	05/13/22 07:39	05/16/22 19:32	207-08-9	
Chrysene	0.14	ug/L	0.049	0.026	1	05/13/22 07:39	05/16/22 19:32	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.049	0.018	1	05/13/22 07:39	05/16/22 19:32	53-70-3	
Fluoranthene	0.20	ug/L	0.049	0.026	1	05/13/22 07:39	05/16/22 19:32	206-44-0	
Fluorene	<0.023	ug/L	0.049	0.023	1	05/13/22 07:39	05/16/22 19:32	86-73-7	
Indeno(1,2,3-cd)pyrene	0.092	ug/L	0.049	0.015	1	05/13/22 07:39	05/16/22 19:32	193-39-5	
1-Methylnaphthalene	<0.018	ug/L	0.049	0.018	1	05/13/22 07:39	05/16/22 19:32	90-12-0	
2-Methylnaphthalene	<0.014	ug/L	0.049	0.014	1	05/13/22 07:39	05/16/22 19:32	91-57-6	
Naphthalene	<0.020	ug/L	0.049	0.020	1	05/13/22 07:39	05/16/22 19:32	91-20-3	
Phenanthrene	0.069	ug/L	0.049	0.025	1	05/13/22 07:39	05/16/22 19:32	85-01-8	
Pyrene	0.16	ug/L	0.049	0.022	1	05/13/22 07:39	05/16/22 19:32	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	78	%	44-120		1	05/13/22 07:39	05/16/22 19:32	321-60-8	
Terphenyl-d14 (S)	73	%	49-120		1	05/13/22 07:39	05/16/22 19:32	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		05/17/22 19:33	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/17/22 19:33	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/17/22 19:33	108-88-3	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/17/22 19:33	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/17/22 19:33	108-67-8	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/17/22 19:33	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/17/22 19:33	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/17/22 19:33	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		05/17/22 19:33	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130		1		05/17/22 19:33	460-00-4	
1,2-Dichlorobenzene-d4 (S)	109	%	70-130		1		05/17/22 19:33	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	276	mg/L	40.0	8.9	20		05/20/22 18:25	14808-79-8	
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		05/17/22 14:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244712

Sample: 051022018 **Lab ID: 40244712003** Collected: 05/10/22 11:22 Received: 05/11/22 07:40 Matrix: Water

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

Methane	1.2J	ug/L	2.8	0.58	1		05/18/22 11:10	74-82-8	B
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6020B MET ICPMS
Analytical Method: EPA 6020B Preparation Method: EPA 3010A
Pace Analytical Services - Green Bay

Arsenic	0.94J	ug/L	2.0	0.56	2	05/12/22 05:47	06/04/22 03:55	7440-38-2	D3
Barium	21.3	ug/L	4.7	1.4	2	05/12/22 05:47	06/04/22 03:55	7440-39-3	
Cadmium	0.30J	ug/L	2.0	0.30	2	05/12/22 05:47	06/04/22 03:55	7440-43-9	D3
Chromium	4.8J	ug/L	6.8	2.0	2	05/12/22 05:47	06/07/22 05:02	7440-47-3	B,D3
Iron	193J	ug/L	500	116	2	05/12/22 05:47	06/04/22 03:55	7439-89-6	B,D3
Lead	1.4J	ug/L	2.0	0.47	2	05/12/22 05:47	06/04/22 03:55	7439-92-1	B,D3
Manganese	<2.4	ug/L	8.1	2.4	2	05/12/22 05:47	06/04/22 03:55	7439-96-5	D3
Selenium	<0.63	ug/L	2.1	0.63	2	05/12/22 05:47	06/04/22 03:55	7782-49-2	D3
Silver	<0.25	ug/L	1.0	0.25	2	05/12/22 05:47	06/04/22 03:55	7440-22-4	D3

7470 Mercury
Analytical Method: EPA 7470 Preparation Method: EPA 7470
Pace Analytical Services - Green Bay

Mercury	<0.066	ug/L	0.20	0.066	1	05/24/22 10:20	05/25/22 08:15	7439-97-6	
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8270E MSSV PAH
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510
Pace Analytical Services - Green Bay

Acenaphthene	<0.013	ug/L	0.048	0.013	1	05/13/22 07:39	05/16/22 19:50	83-32-9	
Acenaphthylene	<0.012	ug/L	0.048	0.012	1	05/13/22 07:39	05/16/22 19:50	208-96-8	
Anthracene	<0.018	ug/L	0.048	0.018	1	05/13/22 07:39	05/16/22 19:50	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.048	0.013	1	05/13/22 07:39	05/16/22 19:50	56-55-3	
Benzo(a)pyrene	0.031J	ug/L	0.048	0.019	1	05/13/22 07:39	05/16/22 19:50	50-32-8	
Benzo(b)fluoranthene	0.075	ug/L	0.048	0.019	1	05/13/22 07:39	05/16/22 19:50	205-99-2	
Benzo(g,h,i)perylene	0.049	ug/L	0.048	0.022	1	05/13/22 07:39	05/16/22 19:50	191-24-2	
Benzo(k)fluoranthene	0.041J	ug/L	0.048	0.021	1	05/13/22 07:39	05/16/22 19:50	207-08-9	
Chrysene	0.083	ug/L	0.048	0.026	1	05/13/22 07:39	05/16/22 19:50	218-01-9	
Dibenz(a,h)anthracene	<0.017	ug/L	0.048	0.017	1	05/13/22 07:39	05/16/22 19:50	53-70-3	
Fluoranthene	0.13	ug/L	0.048	0.025	1	05/13/22 07:39	05/16/22 19:50	206-44-0	
Fluorene	<0.023	ug/L	0.048	0.023	1	05/13/22 07:39	05/16/22 19:50	86-73-7	
Indeno(1,2,3-cd)pyrene	0.043J	ug/L	0.048	0.015	1	05/13/22 07:39	05/16/22 19:50	193-39-5	
1-Methylnaphthalene	<0.017	ug/L	0.048	0.017	1	05/13/22 07:39	05/16/22 19:50	90-12-0	
2-Methylnaphthalene	<0.013	ug/L	0.048	0.013	1	05/13/22 07:39	05/16/22 19:50	91-57-6	
Naphthalene	<0.019	ug/L	0.048	0.019	1	05/13/22 07:39	05/16/22 19:50	91-20-3	
Phenanthrene	0.077	ug/L	0.048	0.025	1	05/13/22 07:39	05/16/22 19:50	85-01-8	
Pyrene	0.11	ug/L	0.048	0.022	1	05/13/22 07:39	05/16/22 19:50	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	76	%	44-120		1	05/13/22 07:39	05/16/22 19:50	321-60-8	
Terphenyl-d14 (S)	71	%	49-120		1	05/13/22 07:39	05/16/22 19:50	1718-51-0	

8260 MSV UST
Analytical Method: EPA 8260
Pace Analytical Services - Green Bay

Benzene	<0.30	ug/L	1.0	0.30	1		05/17/22 19:53	71-43-2	
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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244712

Sample: 051022018 **Lab ID: 40244712003** Collected: 05/10/22 11:22 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/17/22 19:53	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/17/22 19:53	108-88-3	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/17/22 19:53	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/17/22 19:53	108-67-8	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/17/22 19:53	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/17/22 19:53	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/17/22 19:53	95-47-6	
Surrogates									
Toluene-d8 (S)	99	%	70-130		1		05/17/22 19:53	2037-26-5	
4-Bromofluorobenzene (S)	109	%	70-130		1		05/17/22 19:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	110	%	70-130		1		05/17/22 19:53	2199-69-1	

300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	1590	mg/L	100	22.2	50		05/20/22 18:40	14808-79-8	

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		05/17/22 14:00		

Sample: 051022019 **Lab ID: 40244712004** Collected: 05/10/22 12:18 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	15.1	ug/L	2.8	0.58	1		05/18/22 11:17	74-82-8	
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Arsenic	1.0J	ug/L	2.0	0.56	2	05/12/22 05:47	06/04/22 04:02	7440-38-2	D3
Barium	181	ug/L	4.7	1.4	2	05/12/22 05:47	06/04/22 04:02	7440-39-3	
Cadmium	<0.30	ug/L	2.0	0.30	2	05/12/22 05:47	06/04/22 04:02	7440-43-9	D3
Chromium	<2.0	ug/L	6.8	2.0	2	05/12/22 05:47	06/07/22 05:10	7440-47-3	D3
Iron	<116	ug/L	500	116	2	05/12/22 05:47	06/04/22 04:02	7439-89-6	D3
Lead	1.7J	ug/L	2.0	0.47	2	05/12/22 05:47	06/04/22 04:02	7439-92-1	B,D3
Manganese	498	ug/L	8.1	2.4	2	05/12/22 05:47	06/04/22 04:02	7439-96-5	
Selenium	0.66J	ug/L	2.1	0.63	2	05/12/22 05:47	06/04/22 04:02	7782-49-2	D3
Silver	<0.25	ug/L	1.0	0.25	2	05/12/22 05:47	06/04/22 04:02	7440-22-4	D3
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay									
Mercury	<0.066	ug/L	0.20	0.066	1	05/24/22 10:20	05/25/22 08:18	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244712

Sample: 051022019 **Lab ID: 40244712004** Collected: 05/10/22 12:18 Received: 05/11/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.014	ug/L	0.050	0.014	1	05/13/22 07:39	05/16/22 20:09	83-32-9	
Acenaphthylene	<0.013	ug/L	0.050	0.013	1	05/13/22 07:39	05/16/22 20:09	208-96-8	
Anthracene	<0.019	ug/L	0.050	0.019	1	05/13/22 07:39	05/16/22 20:09	120-12-7	
Benzo(a)anthracene	<0.014	ug/L	0.050	0.014	1	05/13/22 07:39	05/16/22 20:09	56-55-3	
Benzo(a)pyrene	<0.020	ug/L	0.050	0.020	1	05/13/22 07:39	05/16/22 20:09	50-32-8	
Benzo(b)fluoranthene	0.039J	ug/L	0.050	0.020	1	05/13/22 07:39	05/16/22 20:09	205-99-2	
Benzo(g,h,i)perylene	<0.024	ug/L	0.050	0.024	1	05/13/22 07:39	05/16/22 20:09	191-24-2	
Benzo(k)fluoranthene	<0.023	ug/L	0.050	0.023	1	05/13/22 07:39	05/16/22 20:09	207-08-9	
Chrysene	0.050J	ug/L	0.050	0.027	1	05/13/22 07:39	05/16/22 20:09	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.050	0.018	1	05/13/22 07:39	05/16/22 20:09	53-70-3	
Fluoranthene	0.070	ug/L	0.050	0.026	1	05/13/22 07:39	05/16/22 20:09	206-44-0	
Fluorene	<0.024	ug/L	0.050	0.024	1	05/13/22 07:39	05/16/22 20:09	86-73-7	
Indeno(1,2,3-cd)pyrene	0.018J	ug/L	0.050	0.016	1	05/13/22 07:39	05/16/22 20:09	193-39-5	
1-Methylnaphthalene	<0.018	ug/L	0.050	0.018	1	05/13/22 07:39	05/16/22 20:09	90-12-0	
2-Methylnaphthalene	<0.014	ug/L	0.050	0.014	1	05/13/22 07:39	05/16/22 20:09	91-57-6	
Naphthalene	<0.020	ug/L	0.050	0.020	1	05/13/22 07:39	05/16/22 20:09	91-20-3	
Phenanthrene	0.050J	ug/L	0.050	0.026	1	05/13/22 07:39	05/16/22 20:09	85-01-8	
Pyrene	0.059	ug/L	0.050	0.023	1	05/13/22 07:39	05/16/22 20:09	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	71	%	44-120		1	05/13/22 07:39	05/16/22 20:09	321-60-8	
Terphenyl-d14 (S)	68	%	49-120		1	05/13/22 07:39	05/16/22 20:09	1718-51-0	
8260 MSV UST									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		05/17/22 20:14	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		05/17/22 20:14	100-41-4	
Toluene	<0.29	ug/L	1.0	0.29	1		05/17/22 20:14	108-88-3	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		05/17/22 20:14	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		05/17/22 20:14	108-67-8	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		05/17/22 20:14	1330-20-7	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		05/17/22 20:14	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		05/17/22 20:14	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		05/17/22 20:14	2037-26-5	
4-Bromofluorobenzene (S)	109	%	70-130		1		05/17/22 20:14	460-00-4	
1,2-Dichlorobenzene-d4 (S)	112	%	70-130		1		05/17/22 20:14	2199-69-1	
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	107	mg/L	10.0	2.2	5		05/20/22 18:54	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.50	mg/L	0.25	0.059	1		05/17/22 14:01		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244712

QC Batch: 416045	Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified	Analysis Description: Methane, Ethane, Ethene GCV
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40244712001, 40244712002, 40244712003, 40244712004

METHOD BLANK: 2395458 Matrix: Water
Associated Lab Samples: 40244712001, 40244712002, 40244712003, 40244712004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	1.5J	2.8	05/18/22 08:13	

LABORATORY CONTROL SAMPLE & LCSD: 2395459 2395460

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Methane	ug/L	28.6	29.8	29.7	104	104	73-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2395461 2395462

Parameter	Units	40244697006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methane	ug/L	167	28.6	28.6	209	230	146	222	10-200	10	20	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244712

QC Batch: 416522 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244712001, 40244712002, 40244712003, 40244712004

METHOD BLANK: 2398146 Matrix: Water
Associated Lab Samples: 40244712001, 40244712002, 40244712003, 40244712004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.066	0.20	05/25/22 07:52	

LABORATORY CONTROL SAMPLE: 2398147

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.1	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2398148 2398149

Parameter	Units	2398148		2398149		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40244711001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Mercury	ug/L	<0.066	5	5	5.0	4.8	101	96	85-115	5	20	

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244712

QC Batch: 415498 Analysis Method: EPA 6020B
QC Batch Method: EPA 3010A Analysis Description: 6020B MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244712001, 40244712002, 40244712003, 40244712004

METHOD BLANK: 2392144 Matrix: Water
Associated Lab Samples: 40244712001, 40244712002, 40244712003, 40244712004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	<0.28	1.0	06/03/22 23:59	
Barium	ug/L	<0.70	2.3	06/03/22 23:59	
Cadmium	ug/L	<0.15	1.0	06/03/22 23:59	
Chromium	ug/L	1.9J	3.4	06/07/22 01:51	
Iron	ug/L	65.5J	250	06/03/22 23:59	
Lead	ug/L	0.31J	1.0	06/03/22 23:59	
Manganese	ug/L	<1.2	4.0	06/03/22 23:59	
Selenium	ug/L	<0.32	1.1	06/03/22 23:59	
Silver	ug/L	<0.13	0.50	06/03/22 23:59	

LABORATORY CONTROL SAMPLE: 2392145

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	260	104	80-120	
Barium	ug/L	250	248	99	80-120	
Cadmium	ug/L	250	274	110	80-120	
Chromium	ug/L	250	254	102	80-120	
Iron	ug/L	10000	9600	96	80-120	
Lead	ug/L	250	233	93	80-120	
Manganese	ug/L	250	242	97	80-120	
Selenium	ug/L	250	275	110	80-120	
Silver	ug/L	125	137	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2392146 2392147

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40244709001 Result	Spike Conc.	Spike Conc.	Conc.								
Arsenic	ug/L	1.5J	250	250	262	258	104	103	75-125	1	20		
Barium	ug/L	249	250	250	505	508	102	104	75-125	1	20		
Cadmium	ug/L	<0.30	250	250	257	256	103	102	75-125	1	20		
Chromium	ug/L	3.5J	250	250	255	256	101	101	75-125	0	20		
Iron	ug/L	6700	10000	10000	16000	16000	93	93	75-125	1	20		
Lead	ug/L	0.91J	250	250	246	243	98	97	75-125	1	20		
Manganese	ug/L	396	250	250	636	641	96	98	75-125	1	20		
Selenium	ug/L	<0.63	250	250	268	261	107	104	75-125	2	20		
Silver	ug/L	<0.25	125	125	128	126	102	101	75-125	1	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244712

QC Batch: 415516 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40244712001

METHOD BLANK: 2392207 Matrix: Water
Associated Lab Samples: 40244712001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	05/16/22 09:07	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	05/16/22 09:07	
Benzene	ug/L	<0.30	1.0	05/16/22 09:07	
Ethylbenzene	ug/L	<0.33	1.0	05/16/22 09:07	
m&p-Xylene	ug/L	<0.70	2.0	05/16/22 09:07	
o-Xylene	ug/L	<0.35	1.0	05/16/22 09:07	
Toluene	ug/L	<0.29	1.0	05/16/22 09:07	
Xylene (Total)	ug/L	<1.0	3.0	05/16/22 09:07	
1,2-Dichlorobenzene-d4 (S)	%	103	70-130	05/16/22 09:07	
4-Bromofluorobenzene (S)	%	106	70-130	05/16/22 09:07	
Toluene-d8 (S)	%	100	70-130	05/16/22 09:07	

LABORATORY CONTROL SAMPLE: 2392208

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	52.0	104	70-130	
Ethylbenzene	ug/L	50	54.9	110	80-120	
m&p-Xylene	ug/L	100	105	105	70-130	
o-Xylene	ug/L	50	52.1	104	70-130	
Toluene	ug/L	50	51.5	103	80-120	
Xylene (Total)	ug/L	150	157	105	70-130	
1,2-Dichlorobenzene-d4 (S)	%			106	70-130	
4-Bromofluorobenzene (S)	%			113	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2393444 2393445

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40244595001 Result	Spike Conc.	Spike Conc.	Result						
Benzene	ug/L	<0.30	50	50	54.1	53.1	108	106	70-130	2	20
Ethylbenzene	ug/L	<0.33	50	50	56.3	56.1	113	112	80-121	0	20
m&p-Xylene	ug/L	<0.70	100	100	110	110	110	110	70-130	0	20
o-Xylene	ug/L	<0.35	50	50	53.0	53.1	106	106	70-130	0	20
Toluene	ug/L	0.57J	50	50	53.7	53.9	106	107	80-120	0	20
Xylene (Total)	ug/L	<1.0	150	150	163	163	109	108	70-130	0	20
1,2-Dichlorobenzene-d4 (S)	%						102	103	70-130		
4-Bromofluorobenzene (S)	%						109	108	70-130		

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244712

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2393444												2393445	
Parameter	Units	40244595001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Toluene-d8 (S)	%						102	101	70-130				

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244712

QC Batch: 415979 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244712002, 40244712003, 40244712004

METHOD BLANK: 2394985 Matrix: Water
Associated Lab Samples: 40244712002, 40244712003, 40244712004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	05/17/22 15:38	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	05/17/22 15:38	
Benzene	ug/L	<0.30	1.0	05/17/22 15:38	
Ethylbenzene	ug/L	<0.33	1.0	05/17/22 15:38	
m&p-Xylene	ug/L	<0.70	2.0	05/17/22 15:38	
o-Xylene	ug/L	<0.35	1.0	05/17/22 15:38	
Toluene	ug/L	<0.29	1.0	05/17/22 15:38	
Xylene (Total)	ug/L	<1.0	3.0	05/17/22 15:38	
1,2-Dichlorobenzene-d4 (S)	%	109	70-130	05/17/22 15:38	
4-Bromofluorobenzene (S)	%	111	70-130	05/17/22 15:38	
Toluene-d8 (S)	%	101	70-130	05/17/22 15:38	

LABORATORY CONTROL SAMPLE: 2394986

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	53.3	107	70-130	
Ethylbenzene	ug/L	50	56.1	112	80-120	
m&p-Xylene	ug/L	100	110	110	70-130	
o-Xylene	ug/L	50	52.3	105	70-130	
Toluene	ug/L	50	53.8	108	80-120	
Xylene (Total)	ug/L	150	162	108	70-130	
1,2-Dichlorobenzene-d4 (S)	%			104	70-130	
4-Bromofluorobenzene (S)	%			110	70-130	
Toluene-d8 (S)	%			101	70-130	

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244712

QC Batch: 415663 Analysis Method: EPA 8270E by SIM
 QC Batch Method: EPA 3510 Analysis Description: 8270E Water PAH
 Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40244712001, 40244712002, 40244712003, 40244712004

METHOD BLANK: 2393064 Matrix: Water

Associated Lab Samples: 40244712001, 40244712002, 40244712003, 40244712004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.018	0.050	05/13/22 11:44	
2-Methylnaphthalene	ug/L	<0.014	0.050	05/13/22 11:44	
Acenaphthene	ug/L	<0.014	0.050	05/13/22 11:44	
Acenaphthylene	ug/L	<0.013	0.050	05/13/22 11:44	
Anthracene	ug/L	<0.018	0.050	05/13/22 11:44	
Benzo(a)anthracene	ug/L	<0.014	0.050	05/13/22 11:44	
Benzo(a)pyrene	ug/L	<0.020	0.050	05/13/22 11:44	
Benzo(b)fluoranthene	ug/L	<0.020	0.050	05/13/22 11:44	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	05/13/22 11:44	
Benzo(k)fluoranthene	ug/L	<0.022	0.050	05/13/22 11:44	
Chrysene	ug/L	<0.027	0.050	05/13/22 11:44	
Dibenz(a,h)anthracene	ug/L	<0.018	0.050	05/13/22 11:44	
Fluoranthene	ug/L	<0.026	0.050	05/13/22 11:44	
Fluorene	ug/L	<0.024	0.050	05/13/22 11:44	
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	0.050	05/13/22 11:44	
Naphthalene	ug/L	<0.020	0.050	05/13/22 11:44	
Phenanthrene	ug/L	<0.026	0.050	05/13/22 11:44	
Pyrene	ug/L	<0.023	0.050	05/13/22 11:44	
2-Fluorobiphenyl (S)	%	83	44-120	05/13/22 11:44	
Terphenyl-d14 (S)	%	75	49-120	05/13/22 11:44	

LABORATORY CONTROL SAMPLE & LCSD: 2393065 2393066

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	2	1.5	1.5	73	73	51-120	0	20	
2-Methylnaphthalene	ug/L	2	1.4	1.4	71	71	50-120	0	20	
Acenaphthene	ug/L	2	1.7	1.7	83	84	65-120	1	20	
Acenaphthylene	ug/L	2	1.6	1.5	78	77	61-120	0	20	
Anthracene	ug/L	2	1.7	1.6	83	82	61-104	1	20	
Benzo(a)anthracene	ug/L	2	1.2	1.1	61	56	51-96	8	20	
Benzo(a)pyrene	ug/L	2	1.7	1.6	83	81	68-120	2	20	
Benzo(b)fluoranthene	ug/L	2	1.6	1.6	80	81	55-97	2	20	
Benzo(g,h,i)perylene	ug/L	2	1.6	1.5	79	75	69-120	5	20	
Benzo(k)fluoranthene	ug/L	2	1.8	1.8	89	88	73-120	2	20	
Chrysene	ug/L	2	2.0	2.1	102	107	72-126	5	20	
Dibenz(a,h)anthracene	ug/L	2	1.7	1.3	84	63	57-115	28	20	R1
Fluoranthene	ug/L	2	1.5	1.6	77	79	58-111	2	20	
Fluorene	ug/L	2	1.7	1.7	83	85	62-120	1	20	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.6	1.5	78	74	66-120	5	20	

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244712

Parameter	Units	2393065		2393066			% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec				
Naphthalene	ug/L	2	1.5	1.5	74	76	53-120	2	20	
Phenanthrene	ug/L	2	1.5	1.5	73	74	59-120	2	20	
Pyrene	ug/L	2	1.5	1.6	74	78	59-120	5	20	
2-Fluorobiphenyl (S)	%				70	69	44-120			
Terphenyl-d14 (S)	%				63	65	49-120			

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244712

QC Batch: 416146 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244712001, 40244712002, 40244712003, 40244712004

METHOD BLANK: 2396062 Matrix: Water
Associated Lab Samples: 40244712001, 40244712002, 40244712003, 40244712004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	05/19/22 18:43	

LABORATORY CONTROL SAMPLE: 2396063

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2396064 2396065

Parameter	Units	40244709004		2396065		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Sulfate	mg/L	252	1000	1250	1330	100	108	90-110	7	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2396066 2396067

Parameter	Units	40244738001		2396067		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Sulfate	mg/L	264	400	727	685	116	105	90-110	6	15 M0	

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QUALITY CONTROL DATA

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244712

QC Batch: 415905 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244712001, 40244712002, 40244712003, 40244712004

METHOD BLANK: 2394705 Matrix: Water
Associated Lab Samples: 40244712001, 40244712002, 40244712003, 40244712004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.059	0.25	05/17/22 13:58	

LABORATORY CONTROL SAMPLE: 2394706

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: 2394707 2394708

Parameter	Units	40244749001		2394708		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Nitrogen, NO2 plus NO3	mg/L	0.099J	2.5	2.5	2.7	2.6	102	101	90-110	1	20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2394709 2394710

Parameter	Units	40244753006		2394710		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Nitrogen, NO2 plus NO3	mg/L	0.18J	2.5	2.5	2.7	2.7	100	100	90-110	0	20

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QUALIFIERS

Project: 1940101253 GREEN BAY MGP

Pace Project No.: 40244712

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: 415702

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

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

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

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

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

R1 RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1940101253 GREEN BAY MGP
Pace Project No.: 40244712

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40244712001	051022016	EPA 8015B Modified	416045		
40244712002	051022017	EPA 8015B Modified	416045		
40244712003	051022018	EPA 8015B Modified	416045		
40244712004	051022019	EPA 8015B Modified	416045		
40244712001	051022016	EPA 3010A	415498	EPA 6020B	415605
40244712002	051022017	EPA 3010A	415498	EPA 6020B	415605
40244712003	051022018	EPA 3010A	415498	EPA 6020B	415605
40244712004	051022019	EPA 3010A	415498	EPA 6020B	415605
40244712001	051022016	EPA 7470	416522	EPA 7470	416577
40244712002	051022017	EPA 7470	416522	EPA 7470	416577
40244712003	051022018	EPA 7470	416522	EPA 7470	416577
40244712004	051022019	EPA 7470	416522	EPA 7470	416577
40244712001	051022016	EPA 3510	415663	EPA 8270E by SIM	415702
40244712002	051022017	EPA 3510	415663	EPA 8270E by SIM	415702
40244712003	051022018	EPA 3510	415663	EPA 8270E by SIM	415702
40244712004	051022019	EPA 3510	415663	EPA 8270E by SIM	415702
40244712001	051022016	EPA 8260	415516		
40244712002	051022017	EPA 8260	415979		
40244712003	051022018	EPA 8260	415979		
40244712004	051022019	EPA 8260	415979		
40244712001	051022016	EPA 300.0	416146		
40244712002	051022017	EPA 300.0	416146		
40244712003	051022018	EPA 300.0	416146		
40244712004	051022019	EPA 300.0	416146		
40244712001	051022016	EPA 353.2	415905		
40244712002	051022017	EPA 353.2	415905		
40244712003	051022018	EPA 353.2	415905		
40244712004	051022019	EPA 353.2	415905		

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QUAZ

CHAIN-OF-CUSTODY / Analytical Request Document

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

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

750285
COC 01253-522-001
40244712

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Ramboll	Report To: Cleford, Devon <u>COSDATA@RAMBOLL.COM</u>	Attention: <u>ACCOUNTS PAYABLE</u>		Page: 1 Of 3	
Address: 415A S 3rd St.	Copy To:	Company Name: WEC		Regulatory Agency:	
Milwaukee, WI 53204	Project Order #:	Address: <u>PO BOX 19805 GREEN BAY, WI 53207</u>		State / Location:	
Email: devon.cleford@ramboll.com <u>STYL.GORZ@RAMBOLL.COM</u>	Project Name: Green Bay MGP	Pace Quote:		WI	
Phone: 262-719-4512	Project #: <u>194 0101253</u>	Pace Project Manager: <u>brian.basten@pacelabs.com</u>			
Requested Due Date:		Pace Profile #: 4543 / 15			

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9/, -) Sample IDs must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Requested Analysis Filtered (Y/N)								Residual Chlorine (Y/N)	
				START				END		Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test	BTX+TMB's 8260	PAH by 8270 SIM (low vol)	Metals by 6020 / 7470	Nitrate + Nitrite	Sulfate	Trip BLANK	METHANE		
				DATE	TIME			DATE	TIME																		
1	050922001	WT	G	5-9-22	1116		11	X	X	X	X							X	X	X	X	X					3
2	050922002				1205		11	X	X	X	X							X	X	X	X	X					3
3	050922003				1246		11	X	X	X	X							X	X	X	X	X					3
4	050922004				1408		33	X	X	X	X							X	X	X	X	X					1
5	050922005				1508		11	X	X	X	X							X	X	X	X	X					1
6	050922006				1609		11	X	X	X	X							X	X	X	X	X					1
7	050922007				1637		11	X	X	X	X							X	X	X	X	X					1
8	050922008				1714		11	X	X	X	X							X	X	X	X	X					1
9	050922009				1720		11	X	X	X	X							X	X	X	X	X					1
10	050922010				1745		6	X		X	X							X	X	X							1
11	051022011			5-10-22	714		11	X	X	X	X							X	X	X	X	X					1
12	051022012				739		11	X	X	X	X							X	X	X	X	X					1

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS	
	vol 2	Devon Ramboll		5-11-22	740	Mau		5-11-22	0740	35.45

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SAMPLER NAME AND SIGNATURE		TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:					



QC:AZ

COC 01253-522-001
40244712

CHAIN-OF-CUSTODY / Analytical Request Document

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

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

Page: 2 of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Ramboll		Report To: Cleeford, Doreen GUS DATA @ RAMBOLL		Account: ACCOUNTS PAYABLE	
Address: 415A S 3rd St.		Copy To:		Company Name: WEC	
Milwaukee, WI 53204		Phase Order #:		Address: PO BOX 19800 GREEN BAY, WI 53307	
Email: dgcleford@ramboll.com STACI GOELER@RAMBOLL.COM		Project Name: Green Bay MGP		Pace Quote:	
Phone: 262-719-4512 Fax:		Project #: 1940101253		Pace Project Manager: brian.basten@pacelabs.com	
Requested Due Date:		Pace Profile #: 4543 / 15		Regulatory Agency:	
				State / Location: WI	

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9, ., -) Sample Ids must be unique	MATRIX CODE (see valid codes to left)	CODE DW WT WW P SL OL WP AR OT TS	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analyses Test Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)						
				START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other				BTEX+TMB's 8260	PAH by 8270 SIM (low vol)	Metals by 6020 / 7470	Nitrate + Nitrite	Sulfate	Trip BLANK
				DATE	TIME	DATE	TIME																			
1	051022013	WT	G	5/10/22	829			11	X	X	X	X						X	X	X	X	X			1	
2	051022014				906			11	X	X	X	X						X	X	X	X	X			1	
3	051022015				910			11	X	X	X	X						X	X	X	X	X			1	
4	051022016				950			11	X	X	X	X						X	X	X	X	X		2	001	
5	051022017				1037			11	X	X	X	X						X	X	X	X	X		2	002	
6	051022018				1122			11	X	X	X	X						X	X	X	X	X		2	003	
7	051022019				1208			11	X	X	X	X						X	X	X	X	X		2	004	
8	051022020				1313			11	X	X	X	X						X	X	X	X	X		4		
9	051022021				1410			11	X	X	X	X						X	X	X	X	X		4		
10	051022022				1523			11	X	X	X	X						X	X	X	X	X		1		
11	051022023				1610			11	X	X	X	X						X	X	X	X	X		1		
12	051022024				1700			11	X	X	X	X						X	X	X	X	X		1		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
level 2	Doreen Ramboll	5-11-22	740	Megan	5/11/22	12:07:45	Y N Y
s,Ba,Cd,Cr,Pb,Hg,Se,Ag,Fe,Mn							+5,5

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:	DATE Signed:				

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GC: AZ

CHAIN-OF-CUSTODY / Analytical Request Document

COC 01253-522-001

40244112

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

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

Section A

Required Client Information:

Company:	Ramboll
Address:	415A S 3rd St.
Milwaukee, WI 53204	
Email:	dglasford@ramboll.com
Phone:	262-719-4512
Requested Due Date:	

Section B

Required Project Information:

Report To:	Clesford, Duncen
Copy To:	
Project Name:	Green Bay MGP
Project #:	1940101253

Section C

Invoice Information:

Company Name:	WEC
Address:	PO Box 19800 GREEN BAY, WI 54307
Company Name:	WEC
Pace Quote:	
Pace Project Manager:	brian.basten@pacelabs.com
Pace Profile #:	4543 / 15

Page:	3	Of:	3
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ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 /, -) Sample Ids must be unique	MATRIX Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Other OT Tissue TS	CODE DW WT WW P SL OL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	Preservatives						Y/N	Requested Analysis Filtered (Y/N)							Residual Chlorine (Y/N)				
						START		END					H2SO4	HNO3	HCl	NaOH	Na2SO3	Methanol		Other	BTEx-TMB's 8260	PAH by 8270 SIM (low vol)	Metals by 6020 / 7470	Nitrate + Nitrite	Sulfate	Trip BLANK					
						DATE	TIME	DATE	TIME																						
1	05022025			WTG	G	5/10/22	1730			6	X		X	X	X			X	X	X									1		
2	051022026									2			X																1		
3	051022027									2			X																1		
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Jeffrey Ramboll	5/11/22	740	MJW	5/11/22	0740	35.5	Y	N	Y
							4.55			

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SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	
SIGNATURE of SAMPLER:	DATE Signed:

Client Name: Ramboll Sample Preservation Receipt Form
 Project # 40244712

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

Initial when completed: SKW Date/Time:

Lab Lot# of pH paper: 110D310 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						✓																			✓	✓										2.5 / 5 / 10
002						✓																			✓	✓										2.5 / 5 / 10
003						✓																			✓	✓										2.5 / 5 / 10
004						✓																			✓	✓										2.5 / 5 / 10
005																																				2.5 / 5 / 10
006																																				2.5 / 5 / 10
007																																				2.5 / 5 / 10
008																																				2.5 / 5 / 10
009																																				2.5 / 5 / 10
010																																				2.5 / 5 / 10
011																																				2.5 / 5 / 10
012																																				2.5 / 5 / 10
013																																				2.5 / 5 / 10
014																																				2.5 / 5 / 10
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016																																				2.5 / 5 / 10
017																																				2.5 / 5 / 10
018																																				2.5 / 5 / 10
019																																				2.5 / 5 / 10
020																																				2.5 / 5 / 10

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


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

Sample Condition Upon Receipt Form (SCUR)

Client Name: Ramboll

Project #: _____

WO#: **40244712**



40244712

Courier: CS Logistics Fed Ex Speedee UPS Walto
 Client Pace Other: _____

Tracking #: _____

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

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

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - 110 Type of Ice: Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature: 3.5, 4.5, 4.5 ICorr: 3.5, 4.5, 4.5

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Temp should be above freezing to 6°C.

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

Person examining contents:
 Date: 5/11/22 /Initials: SCW
 Labeled By Initials: MT

Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out: <u>Slitz</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>Filter</u>
Chain of Custody Relinquished: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC: <u>Slitz</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: <input type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt: <input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:	8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. <u>003</u>
Sample Labels match COC: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>3 V69H Labels Blank placed by process of elimination</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>	
Trip Blank Present: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13. <u>Slitz</u>
Trip Blank Custody Seals Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):	

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