

October 11, 2022

**Our Reference**  
60682984Greg Boldt  
City of Kenosha  
Assistant City Engineer  
625 52nd Street, Room 305  
Kenosha, Wisconsin 53140**KEP Groundwater Post-Remediation Sample Results - July 2022**

Dear Mr. Boldt:

AECOM conducted the second quarterly post-remediation groundwater sampling event between July 25<sup>th</sup> and 27<sup>th</sup>, 2022, under Task Order 173-033122 for the City of Kenosha, at the former Kenosha Engine Plant (KEP). Monitoring wells associated with groundwater remediation Areas 1 to 4 were sampled for volatile organic compounds and geochemical parameters as described in the *Remedial Design report (Groundwater) Revision 1 Former Kenosha Engine Plant* (AECOM December 20, 2019) approved by the Wisconsin Department of Natural Resources.

Prior to sampling, groundwater elevation measurements were collected from the monitoring wells and piezometers. Depth to groundwater measurements and calculated elevations are provided in Table 1. The groundwater remediation areas and associated monitoring well and piezometer locations are depicted in Figure 1.

Groundwater flow at the KEP was southeasterly across the site at the water table, easterly at the clay-till interface in the northern half of the KEP and southerly at the clay-till interface in the southern half of the KEP, based on the depth to groundwater measurements on July 25, 2022. These flow directions are somewhat consistent with the data provided in prior groundwater elevation measurement events. Contoured groundwater elevations for July 2022, depicting groundwater flow, are shown in Figure 1 for the water table potentiometric surface and in Figure 2 for the potentiometric surface measured in the piezometers.

Groundwater samples were collected from the selected monitoring wells and piezometers using a low-flow sampling technique with a peristaltic pump and dedicated tubing for each well. Sampling procedures were consistent with those provided in the *Remedial Design report (Groundwater) Revision 1 Former Kenosha Engine Plant* (AECOM December 20, 2019). Field parameters, including pH, conductivity, oxygen reducing potential, dissolved oxygen, and temperature, were measured during well purging and recorded following stabilization of each parameter. The field parameter measurements are included in Table 2.

Groundwater samples from the 31 monitoring wells and 18 piezometers were submitted to Pace Analytical Services, Inc. (Pace), in Green Bay, Wisconsin, and analyzed for VOCs (SW846 Method 8260B) and select wells were also analyzed for geochemical parameters. The groundwater analytical results were compared to the Wisconsin Administrative Code Ch. NR 140.10, Table 1, Public Health Groundwater Quality Standards, enforcement standards (ES) and preventive action limit (PAL). The PAL is a concentration that is 10% (for carcinogenic, mutagenic, or teratogenic compounds) to 20% of the enforcement standard. The PAL has been established as the concentration at which notification to the WDNR is required. The ES is a health-risk based concentration and is generally equal to the US EPA's maximum contaminant level (MCL), where established. The groundwater analytical results are included in Table 3 (Area 1), Table 4 (Area 2), Table 5 (Area 3) and Table 6 (Area 4). ES exceedances are depicted in bold and PAL exceedances are shown in underlined italics in each of the tables. The laboratory analytical report is also attached.

Quality control samples were collected to assess laboratory precision and accuracy. Three trip blanks were submitted for analysis and VOCs were not detected. Seven field duplicate samples were collected and submitted for analysis. The laboratory analytical data were validated and reviewed. The data validation report is attached.

Concentration trends were not evaluated as part of this groundwater sampling event because this is post-remediation groundwater monitoring. Similarly, the enforcement standards are not depicted on a figure. The groundwater remediation process is proceeding and remediation objectives have been partially achieved in each of the treated areas. Post-remediation groundwater monitoring will continue quarterly.

Please contact us if you have questions.

Yours sincerely,



Lanette Altenbach, P.G.  
Senior Hydrogeologist  
AECOM  
T: 414-944-6186  
E: lanette.altenbach@aecom.com



In conformance with NR 712.09 submittal certification requirements:

"I, Lanette Altenbach, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

**enclosures:** Tables  
Table 1 Groundwater Measurements and Elevations  
Table 2 Groundwater Field Parameters  
Table 3A Detected Volatile Organic Compounds in Groundwater, Treatment Area 1  
Table 3B Select Metals and Geochemical Parameters in Groundwater, Treatment Area 1  
Table 4A Detected Volatile Organic Compounds in Groundwater, Treatment Area 2  
Table 4B Select Metals and Geochemical Parameters in Groundwater, Treatment Area 2  
Table 5A Detected Volatile Organic Compounds in Groundwater, Treatment Area 3  
Table 5B Select Metals and Geochemical Parameters in Groundwater, Treatment Area 3  
Table 6A Detected Volatile Organic Compounds in Groundwater, Treatment Area 4  
Table 6B Select Metals and Geochemical Parameters in Groundwater, Treatment Area 4

Figures  
Figure 1 Groundwater Elevations Contour Map (Water Table, July 2022)  
Figure 1 Groundwater Elevations Contour Map (Piezometers, July 2022)

Data Validation Memo  
Pace Laboratory Analytical Reports # 40248749, 40248882, 40248902

**cc:** Paul Grittner, WDNR

**Table 1**  
**Groundwater Measurements and Elevations**  
**KEP Remediation Area Monitoring Wells and Piezometers-Areas 1, 2, 3, 4 and Perimeter**  
**Kenosha, Wisconsin**

<b>Well Number</b>	<b>MW-2101</b>		<b>PZ-2101</b>		<b>MW-2102</b>		<b>MW-2103</b>		<b>PZ-2103</b>		<b>MW-2104</b>	
Ground Elevation (ft)	625.39		625.40		624.99		624.22		624.23		624.79	
Top of PVC Casing (TOC) Elevation (ft)	627.55		627.99		627.10		626.14		626.31		627.11	
Top of Screen Elevation (ft)	620.15		606.99		620.40		619.24		606.41		620.11	
Screen Length (ft)	10		2		10		10		2		10	
TOC to Bottom of Well (ft) <sup>A</sup>	17.4		23		16.7		16.9		21.9		17	
<b>Date</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>
12/7/2020	10.51	617.04	10.98	617.01	9.49	617.61	8.55	617.59	8.72	617.59	9.65	617.46
4/5/2021	10.34	617.21	10.77	617.22	9.62	617.48	8.53	617.61	8.75	617.56	9.81	617.30
6/16/2021	10.75	616.80	11.19	616.80	10.16	616.94	9.14	617.00	9.30	617.01	10.03	617.08
10/6/2021	11.06	616.49	11.41	616.58	10.62	616.48	9.61	616.53	9.71	616.60	10.68	616.43
12/15/2021	10.35	617.20	10.88	617.11	9.61	617.49	8.58	617.56	9.02	617.29	9.69	617.42
2/21/2022	10.82	616.73	11.32	616.67	10.28	616.82	9.29	616.85	9.57	616.74	10.28	616.83
3/21/2021	10.74	616.81	11.25	616.74	10.11	616.99	9.12	617.02	9.93	616.38	10.04	617.07
4/25/2022	9.02	618.53	9.71	618.28	8.14	618.96	6.74	619.40	7.05	619.26	7.49	619.62
5/17/2022	9.81	617.74	10.42	617.57	9.15	617.95	7.89	618.25	8.21	618.10	8.65	618.46
7/25/2022	10.07	617.48	10.78	617.21	9.67	617.43	8.64	617.50	8.93	617.38	9.85	617.26
		627.55										--

ft = feet

<sup>A</sup> = as measured inside well

NI = Not Installed

NM = Not Measured

-- no elevation

**Table 1**  
**Groundwater Measurements and Elevations**  
**KEP Remediation Area Monitoring Wells and Piezometers-Areas 1, 2, 3, 4 and Perimeter**  
**Kenosha, Wisconsin**

<b>Well Number</b>	<b>MW-2105</b>		<b>PZ-2105</b>		<b>MW-2106</b>		<b>MW-2107</b>		<b>PZ-2107</b>		<b>MW-2108</b>	
Ground Elevation (ft)	625.21		625.22		626.95		626.42		626.36		625.59	
Top of PVC Casing (TOC) Elevation (ft)	627.38		627.69		629.11		628.32		628.66		627.58	
Top of Screen Elevation (ft)	620.88		602.89		621.41		620.82		604.76		619.98	
Screen Length (ft)	10		2		10		10		2		10	
TOC to Bottom of Well (ft) <sup>A</sup>	16.5		26.8		17.7		17.5		25.9		17.6	
<b>Date</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>
12/7/2020	10.60	616.78	11.14	616.55	13.03	616.08	12.98	615.34	13.23	615.43	12.69	614.89
4/5/2021	9.92	617.46	10.26	617.43	12.54	616.57	12.56	615.76	12.98	615.68	12.45	615.13
6/16/2021	10.63	616.75	10.90	616.79	13.16	615.95	12.94	615.38	13.29	615.37	12.70	614.88
10/6/2021	11.54	615.84	11.79	615.90	13.81	615.30	13.36	614.96	13.70	614.96	12.97	614.61
12/15/2021	11.12	616.26	11.65	616.04	13.59	615.52	13.16	615.16	13.49	615.17	12.66	614.92
2/21/2022	11.15	616.23	11.40	616.29	13.63	615.48	13.19	615.13	13.50	615.16	12.79	614.79
3/21/2021	11.05	616.33	11.76	615.93	13.64	615.47	13.29	615.03	13.58	615.08	12.89	614.69
4/25/2022	9.34	618.04	10.37	617.32	12.27	616.84	12.45	615.87	12.81	615.85	12.14	615.44
5/17/2022	9.85	617.53	9.85	617.84	11.97	617.14	12.32	616.00	12.67	615.99	12.28	615.30
7/25/2022	10.37	617.01	10.57	617.12	13.01	616.10	12.91	615.41	13.22	615.44	12.58	615.00

ft = feet

<sup>A</sup> = as measured inside well

NI = Not Installed

NM = Not Measured

-- no elevation

**Table 1**  
**Groundwater Measurements and Elevations**  
**KEP Remediation Area Monitoring Wells and Piezometers-Areas 1, 2, 3, 4 and Perimeter**  
**Kenosha, Wisconsin**

<b>Well Number</b>	<b>MW-2109</b>		<b>PZ-2109</b>		<b>MW-2110</b>		<b>PZ-2110</b>		<b>MW-2111</b>		<b>PZ-2111</b>	
Ground Elevation (ft)	625.07		624.92		624.83		624.76		626.40		626.44	
Top of PVC Casing (TOC) Elevation (ft)	627.04		627.23		627.00		626.95		628.33		628.68	
Top of Screen Elevation (ft)	619.94		606.73		619.90		606.15		620.33		631.18	
Screen Length (ft)	10		2		10		2		10		2.5	
TOC to Bottom of Well (ft) <sup>A</sup>	17.1		22.5		17.1		22.8		18			
<b>Date</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>
12/7/2020	12.86	614.18	13.07	614.16	12.68	614.32	12.94	614.01	12.24	616.09	12.57	616.11
4/5/2021	12.42	614.62	12.68	614.55	12.26	614.74	12.22	614.73	11.44	616.89	11.77	616.91
6/16/2021	12.83	614.21	13.02	614.21	12.86	614.14	12.85	614.10	12.39	615.94	12.71	615.97
10/6/2021	13.17	613.87	13.43	613.80	13.38	613.62	13.31	613.64	12.95	615.38	13.27	615.41
12/15/2021	12.74	614.30	12.98	614.25	12.85	614.15	12.79	614.16	12.37	615.96	13.71	614.97
2/21/2022	12.92	614.12	13.10	614.13	13.04	613.96	13.00	613.95	12.89	615.44	13.10	615.58
3/21/2021	12.83	614.21	13.03	614.20	12.90	614.10	12.89	614.06	12.55	615.78	12.71	615.97
4/25/2022	11.79	615.25	11.98	615.25	9.65	617.35	11.17	615.78	9.65	618.68	10.04	618.64
5/17/2022	11.85	615.19	12.06	615.17	11.38	615.62	11.31	615.64	10.64	617.69	11.01	617.67
7/25/2022	12.65	614.39	12.89	614.34	12.55	614.45	12.51	614.44	12.18	616.15	12.55	616.13

ft = feet

<sup>A</sup> = as measured inside well

NI = Not Installed

NM = Not Measured

-- no elevation

**Table 1**  
**Groundwater Measurements and Elevations**  
**KEP Remediation Area Monitoring Wells and Piezometers-Areas 1, 2, 3, 4 and Perimeter**  
**Kenosha, Wisconsin**

<b>Well Number</b>	<b>MW-2112</b>		<b>PZ-2112</b>		<b>MW-2113</b>		<b>PZ-2113</b>		<b>MW-2114</b>		<b>PZ-2114</b>		<b>MW-61</b>		<b>PZ-61</b>	
Ground Elevation (ft)	624.21		624.18		625.20		625.10		624.72		624.72		623.52		623.56	
Top of PVC Casing (TOC) Elevation (ft)	626.32		626.48		627.33		627.36		626.80		626.80		624.03		624.15	
Top of Screen Elevation (ft)	619.32		605.48		620.33		606.46		620.10		607.10		616.73		603.85	
Screen Length (ft)	10		2		10		2		10		2		10		2.5	
TOC to Bottom of Well (ft) <sup>A</sup>	17		23		17		22.9		16.7		21.7		17.3		22.8	
<b>Date</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>	<b>Depth to GW from TOC (ft)</b>	<b>Groundwater Elevation (ft)</b>
12/7/2020	9.99	616.33	10.16	616.32	10.81	616.52	10.84	616.52	10.54	616.26	10.62	616.18	9.69	614.34	9.83	614.32
4/5/2021	9.84	616.48	9.98	616.50	10.59	616.74	10.64	616.72	10.04	616.76	10.08	616.72	9.22	614.81	9.60	614.55
6/16/2021	10.48	615.84	10.61	615.87	11.14	616.19	11.20	616.16	10.59	616.21	10.64	616.16	9.63	614.40	9.80	614.35
10/6/2021	10.92	615.40	11.11	615.37	11.64	615.69	11.71	615.65	11.15	615.65	11.31	615.49	9.94	614.09	10.35	613.80
12/15/2021	10.00	616.32	10.18	616.30	10.68	616.65	11.47	615.89	10.89	615.91	10.82	615.98	9.68	614.35	10.04	614.11
2/21/2022	10.63	615.69	10.78	615.70	11.32	616.01	11.35	616.01	10.97	615.83	10.77	616.03	9.70	614.33	9.68	614.47
3/21/2021	10.46	615.86	10.73	615.75	11.18	616.15	11.39	615.97	10.86	615.94	10.96	615.84	9.66	614.37	9.84	614.31
4/25/2022	8.17	618.15	8.32	618.16	8.71	618.62	12.96	614.40	9.29	617.51	9.34	617.46	9.50	614.53	9.50	614.65
5/17/2022	9.25	617.07	10.33	616.15	9.88	617.45	9.96	617.40	9.39	617.41	9.42	617.38	8.67	615.36	8.95	615.20
7/25/2022	10.11	616.21	10.22	616.26	10.77	616.56	10.87	616.49	10.42	616.38	10.48	616.32	9.47	614.56	9.64	614.51

ft = feet  
<sup>A</sup> = as measured inside well  
 NI = Not Installed  
 NM = Not Measured  
 -- no elevation

**Table 1**  
**Groundwater Measurements and Elevations**  
**KEP Remediation Area Monitoring Wells and Piezometers-Areas 1, 2, 3, 4 and Perimeter**  
**Kenosha, Wisconsin**

<b>Well Number</b>	<b>MW-2201</b>		<b>MW-2202</b>		<b>PZ-2202</b>		<b>MW-2203</b>		<b>PZ-2203</b>		<b>MW-31</b>		<b>MW-113</b>	
Ground Elevation (ft)	626.06		625.52		625.62		624.95		624.81		624.38		623.51	
Top of PVC Casing (TOC) Elevation (ft)	628.22		627.89		627.74		627.38		627.21		627.67		623.15	
Top of Screen Elevation (ft)	620.52		620.09		606.24		619.38		604.81		615.97		619.64	
Screen Length (ft)	10		10		2.5		10		2.5		10		10	
TOC to Bottom of Well (ft) <sup>A</sup>	17.7		17.8		24		18		24.9		21.7		13.51	
<b>Date</b>	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)
12/7/2020	17.66	610.56	17.72	610.17	12.19	615.55	13.77	613.61	13.73	613.48	13.58	614.09	10.99	612.16
4/5/2021	11.29	616.93	9.64	618.25	9.50	618.24	12.06	615.32	12.26	614.95	11.95	615.72	10.40	612.75
6/16/2021	12.76	615.46	11.48	616.41	11.32	616.42	13.66	613.72	13.63	613.58	13.47	614.20	11.11	612.04
10/6/2021	13.97	614.25	13.41	614.48	13.39	614.35	14.65	612.73	14.53	612.68	14.56	613.11	11.49	611.66
12/15/2021	11.67	616.55	10.15	617.74	11.17	616.57	13.27	614.11	13.22	613.99	12.65	615.02	10.55	612.60
12/30/2021	11.47	616.75	10.04	617.85	11.21	616.53	13.27	614.11	13.35	613.86	12.75	614.92	NM	--
1/31/2022	13.90	614.32	11.30	616.59	11.42	616.32	13.47	613.91	13.44	613.77	13.09	614.58	NM	--
2/28/2022	11.92	616.30	11.60	616.29	11.50	616.24	13.52	613.86	13.45	613.76	13.01	614.66	NM	--
4/25/2022	8.09	620.13	5.93	621.96	8.04	619.70	9.89	617.49	10.43	616.78	8.89	618.78	8.74	614.41
7/25/2022	11.61	616.61	10.05	617.84	10.82	616.92	13.22	614.16	13.21	614.00	12.78	614.89	10.69	612.46

ft = feet

<sup>A</sup> = as measured inside well

Ni = Not Installed

NM = Not Measured

-- no elevation

**Table 1**  
**Groundwater Measurements and Elevations**  
**KEP Remediation Area Monitoring Wells and Piezometers-Areas 1, 2, 3, 4 and Perimeter**  
**Kenosha, Wisconsin**

<b>Well Number</b>	<b>MW-114</b>		<b>PZ-118</b>	
Ground Elevation (ft)	623.06		622.64	
Top of PVC Casing (TOC) Elevation (ft)	622.57		622.33	
Top of Screen Elevation (ft)	619.14		602.99	
Screen Length (ft)	10		2.5	
TOC to Bottom of Well (ft) <sup>A</sup>	13.43		21.84	
Date	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)
12/7/2020	8.43	614.14	8.77	613.56
4/5/2021	8.22	614.35	7.42	614.91
6/16/2021	8.50	614.07	8.91	613.42
10/6/2021	9.01	613.56	9.76	612.57
12/15/2021	8.89	613.68	8.24	614.09
12/30/2021	8.04	614.53	8.30	614.03
1/31/2022	8.90	613.67	9.33	613.00
2/28/2022	8.09	614.48	8.48	613.85
4/25/2022	5.40	617.17	5.24	617.09
7/25/2022	7.62	614.95	8.04	614.29

ft = feet  
<sup>A</sup> = as measured inside well  
 NI = Not Installed  
 NM = Not Measured  
 -- no elevation



**Table 1**  
**Groundwater Measurements and Elevations**  
**KEP Remediation Area Monitoring Wells and Piezometers-Areas 1, 2, 3, 4 and Perimeter**  
**Kenosha, Wisconsin**

<b>Well Number</b>	<b>MW-2301</b>		<b>PZ-2301</b>		<b>MW-2302</b>		<b>PZ-2302</b>		<b>MW-2303</b>		<b>PZ-2303</b>	
Ground Elevation (ft)	623.21		623.23		624.47		624.40		624.24		624.16	
Top of PVC Casing (TOC) Elevation (ft)	625.25		625.46		626.63		626.98		626.15		626.27	
Top of Screen Elevation (ft)	617.55		601.86		619.03		603.28		618.45		604.07	
Screen Length (ft)	10		2.5		10		2.5		10		2	
TOC to Bottom of Well (ft) <sup>A</sup>	17.7		26.1		17.6		26.2		17.7		24.2	
<b>Date</b>	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)
12/7/2020	12.27	612.98	13.09	612.37	13.71	612.92	14.29	612.34	16.74	609.41	16.52	609.75
4/5/2021	10.51	614.74	10.83	614.63	12.02	614.61	12.24	614.39	11.47	614.68	11.43	614.84
6/16/2021	11.63	613.62	11.88	613.58	12.51	614.12	13.13	613.50	12.10	614.05	12.21	614.06
10/6/2021	12.93	612.32	12.79	612.67	13.52	613.11	14.01	612.62	13.08	613.07	13.24	613.03
11/20/2021	11.71	613.54	11.85	613.61	12.64	613.99	13.23	613.40	12.24	613.91	12.45	613.82
12/15/2021	11.34	613.91	11.29	614.17	12.29	614.34	12.60	614.03	11.81	614.34	11.93	614.34
12/22/2021	11.25	614.00	11.42	614.04	12.32	614.31	12.80	613.83	11.85	614.30	11.96	614.31
1/24/2022	11.32	613.93	11.53	613.93	12.28	614.35	12.88	613.75	11.82	614.33	12.07	614.20
4/25/2022	8.32	616.93	8.74	616.72	11.05	615.58	10.47	616.16	10.62	615.53	10.47	615.80
7/25/2022	11.06	614.19	10.96	614.50	12.00	614.63	12.32	614.31	11.38	614.77	11.47	614.80

ft = feet

<sup>A</sup> = as measured inside well

NI = Not Installed

NM = Not Measured

-- no elevation

**Table 1**  
**Groundwater Measurements and Elevations**  
**KEP Remediation Area Monitoring Wells and Piezometers-Areas 1, 2, 3, 4 and Perimeter**  
**Kenosha, Wisconsin**

<b>Well Number</b>	<b>MW-65</b>		<b>MW-79</b>		<b>MW-80</b>		<b>MW-81</b>		<b>MW-82</b>		<b>PZ-82</b>		<b>MW-44</b>		<b>MW-108</b>	
Ground Elevation (ft)	624.24		624.88		624.21		624.63		625.10		625.10		624.86		624.00	
Top of PVC Casing (TOC) Elevation (ft)	627.63		624.62		623.81		624.35		624.89		624.89		624.54		623.83	
Top of Screen Elevation (ft)	614.64		617.89		617.00		617.39		618.00		618.00		620.07		619.73	
Screen Length (ft)	10		10		10		10		10		2		10		10	
TOC to Bottom of Well (ft) <sup>A</sup>	22.99		16.5		16.5		16.5		16.5		24.31		14.47		14.1	
<b>Date</b>	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)
12/7/2020	15.39	612.24	NM	--	NM	--	NM	--	NM	--	NI	--	11.57	608.50	8.53	611.20
4/5/2021	14.04	613.59	9.44	615.18	6.18	617.63	9.16	615.19	10.69	614.20	NI	--	10.49	609.58	4.76	614.97
6/16/2021	14.94	612.69	10.10	614.52	7.02	616.79	10.72	613.63	16.04	608.85	NI	--	11.36	608.71	9.34	610.39
10/6/2021	15.72	611.91	11.06	613.56	8.65	615.16	11.73	612.62	12.65	612.24	12.75	612.14	12.21	607.86	10.09	609.64
12/8/2021	16.01	611.62	11.17	613.45	8.83	614.98	11.74	612.61	12.82	612.07	12.49	605.51	12.05	608.02	9.07	610.66
12/15/2021	15.42	612.21	10.68	613.94	7.39	616.42	10.75	613.60	12.27	612.62	11.98	612.91	11.65	608.42	7.14	612.59
1/12/2022	14.80	612.83	10.24	614.38	7.44	616.37	10.65	613.70	11.81	613.08	11.78	613.11	11.56	608.51	NM	--
2/7/2022	14.93	612.70	10.82	613.80	8.57	615.24	10.98	613.37	12.01	612.88	11.50	613.39	12.15	607.92	8.48	611.25
4/25/2022	13.45	614.18	6.61	618.01	3.19	620.62	7.19	617.16	9.32	615.57	10.75	614.14	10.02	610.05	3.02	616.71
7/25/2022	14.47	613.16	8.56	616.06	4.23	619.58	9.18	615.17	10.55	614.34	10.71	614.39	10.40	609.67	7.64	612.09

ft = feet

<sup>A</sup> = as measured inside well

Well elevations and coordinates updated for all wells on this table in December 2020.

NI = Not Installed

NM = Not Measured

-- no elevation

Note: 5-17-18 the cap on MW-80 was loose and asphalt/gravel was obtained during purging.

**Table 1  
Groundwater Measurements and Elevations  
KEP Perimeter and Existing Interior Wells  
Kenosha, Wisconsin**

<b>Well Number</b>	<b>MW-69R</b>		<b>PZ-69R</b>		<b>MW-70R</b>		<b>MW-71R</b>		<b>MW-101</b>		<b>MW-102</b>		<b>MW-103</b>		<b>MW-105</b>	
Ground Elevation (ft)	625.43		625.45		626.44		627.38		624.38		624.61		624.49		624.01	
Top of PVC Casing (TOC) Elevation (ft)	627.72		627.93		628.82		630.10		623.84		623.98		624.11		623.79	
Top of Screen Elevation (ft)	619.02		603.93		620.42		621.40		620.94		621.38		620.82		620.09	
Screen Length (ft)	10		2.5		10		10		10		10		10		10	
TOC to Bottom of Well (ft) <sup>A</sup>	18.7		26.5		18.4		18.7		12.9		12.6		13.29		13.7	
<b>Date</b>	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)
12/7/2020	12.96	614.76	13.78	614.15	14.18	614.64	15.59	614.51	NM	--	NM	--	NM	--	NM	--
4/5/2021	11.91	615.81	12.10	615.83	13.01	615.81	14.31	615.79	5.94	617.90	5.35	618.63	5.36	618.75	10.11	613.68
6/16/2021	12.86	614.86	13.10	614.83	14.04	614.78	15.49	614.61	7.08	616.76	5.80	618.18	5.74	618.37	10.33	613.46
10/6/2021	13.64	614.08	13.82	614.11	14.93	613.89	16.44	613.66	7.60	616.24	6.13	617.85	6.15	617.96	11.85	611.94
12/15/2021	13.13	614.59	13.37	614.56	14.35	614.47	15.49	614.61	6.81	617.03	5.44	618.54	5.62	618.49	10.44	613.35
4/25/2022	11.13	616.59	11.35	616.58	12.40	616.42	13.02	617.08	4.86	618.98	4.48	619.50	4.65	619.46	9.74	614.05
7/25/2022	12.97	614.75	12.86	615.07	13.73	615.09	15.03	615.07	5.98	617.86	5.19	618.79	5.15	618.96	10.18	613.61

ft = feet  
<sup>A</sup> = as measured inside well  
 NI = Not Installed  
 NM = Not Measured  
 -- no elevation

**Table 1  
Groundwater Measurements and Elevations  
KEP Perimeter and Existing Interior Wells  
Kenosha, Wisconsin**

<b>Well Number</b>	<b>MW-107</b>		<b>MW-109</b>		<b>MW-110</b>		<b>MW-111</b>		<b>MW-112</b>		<b>MW-115</b>		<b>MW-116</b>		<b>PZ-116</b>	
Ground Elevation (ft)	625.93		625.30		623.19		621.77		621.81		624.01		623.56		623.56	
Top of PVC Casing (TOC) Elevation (ft)	625.47		624.99		622.75		621.30		621.62		623.75		623.29		623.10	
Top of Screen Elevation (ft)	621.07		618.74		618.75		618.70		617.44		619.59		620.25		596.68	
Screen Length (ft)	10		10		10		10		10		10		10		2.5	
TOC to Bottom of Well (ft) <sup>A</sup>	14.4		16.25		14		12.6		14.18		14.16		13.04		28.92	
<b>Date</b>	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)
12/7/2020	NM	--	NM	--	NM	--	NM	--	NM	--	NM	--	NM	--	NM	--
4/5/2021	11.68	613.79	13.92	611.07	6.65	616.10	7.39	613.91	4.89	616.73	5.14	618.61	7.82	615.47	8.10	615.00
6/16/2021	12.64	612.83	14.32	610.67	8.37	614.38	8.31	612.99	6.63	614.99	7.67	616.08	9.64	613.65	9.40	613.70
10/6/2021	13.82	611.65	14.48	610.51	9.52	613.23	8.95	612.35	7.54	614.08	9.81	613.94	10.47	612.82	10.27	612.83
12/15/2021	13.09	612.38	14.08	610.91	6.49	616.26	7.58	613.72	4.51	617.11	8.50	615.25	8.29	615.00	8.48	614.62
4/25/2022	11.26	614.21	3.02	621.97	2.45	620.30	5.71	615.59	2.79	618.83	5.05	618.70	3.37	619.92	5.39	617.71
7/25/2022	12.23	613.24	14.02	610.97	7.53	615.22	7.48	613.82	4.59	617.03	6.72	617.03	7.94	615.35	8.19	614.91

ft = feet  
<sup>A</sup> = as measured inside well  
 NI = Not Installed  
 NM = Not Measured  
 -- no elevation

**Table 1**  
**Groundwater Measurements and Elevations**  
**KEP Perimeter and Existing Interior Wells**  
**Kenosha, Wisconsin**

Well Number	MW-117		PZ-117		MW-206	
Ground Elevation (ft)	622.16		622.14		623.01	
Top of PVC Casing (TOC) Elevation (ft)	621.74		621.82		622.86	
Top of Screen Elevation (ft)	616.82		601.23		615.87	
Screen Length (ft)	10		2.5		10	
TOC to Bottom of Well (ft) <sup>A</sup>	14.92		23.09		16.99	
Date	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)
12/7/2020	NM	--	NM	--	NM	--
4/5/2021	7.39	614.35	7.90	613.92	6.96	615.90
6/16/2021	9.09	612.65	9.06	612.76	7.65	615.21
10/6/2021	9.63	612.11	9.72	612.10	8.34	614.52
12/15/2021	8.24	613.50	8.23	613.59	7.91	614.95
4/25/2022	6.05	615.69	5.71	616.11	6.35	616.51
7/25/2022	8.17	613.57	7.97	613.85	7.58	615.28

ft = feet

<sup>A</sup> = as measured inside well

NI = Not Installed

NM = Not Measured

-- no elevation

**Table 2  
Groundwater Field Parameters  
Former Kenosha Engine Plant  
Kenosha, Wisconsin**

Treatment Area	Well Name	Sample Date	pH Units	Dissolved Oxygen (mg/L)	ORP (mV)	Conductivity (mS/cm)	Temperature (°C)	Turbidity (ntu)
1	MW-2101	12/09/20	7.12	NM	-97.5	1.339	14.20	644.38
		04/08/21	6.78	0.41	116.5	1.267	10.29	40.41
		02/22/22	7.65	0.20	-205.7	1.459	7.89	4.66
		03/21/22	7.18	0.07	-154.6	1.286	10.00	2.23
		04/27/22	7.60	0.11	75.6	1.401	8.05	0.96
		07/27/22	7.50	0.04	-288.4	1.343	16.46	0.00
1	PZ-2101	12/09/20	7.07	NM	-76.6	2.517	14.09	740.99
		04/09/21	7.30	0.74	79.5	2.923	11.44	NM
		02/24/22	6.67	0.24	-75.3	7.314	8.06	12.99
		03/23/22	6.84	0.39	95.4	7.757	10.97	2.51
		04/27/22	4.62	0.01	-1122.8	6.734	18.19	82.92
		07/27/22	6.24	0.08	-137.9	8.111	15.65	12.77
1	MW-2102	12/15/20	6.96	NM	-77.8	1.502	12.62	71.06
		04/08/21	6.85	0.16	-16.3	1.448	10.66	47.01
		02/22/22	6.22	0.18	-103.7	3.237	7.73	7.54
		03/22/22	6.50	0.09	-25.1	2.689	7.76	19.91
		04/27/22	6.50	0.11	208.8	2.396	7.19	6.77
		07/25/22	5.92	0.06	-151.1	2.129	17.76	5.05
1	MW-2103	12/14/20	7.00	0.06	-39.6	1.313	10.72	3.92
		04/08/21	7.21	0.07	-48.3	1.325	9.70	10.66
		02/23/22	6.82	0.23	-83.3	3.526	5.95	24.63
		03/22/22	7.13	0.09	-141.1	2.439	8.06	7.98
		04/27/22	6.94	NM	-122.2	3.657	7.73	3.72
		07/27/22	6.48	0.01	-183.1	2.060	17.08	20.35
1	PZ-2103	12/14/20	7.18	4.90	80.4	1.672	11.60	1.40
		04/09/21	7.43	2.83	126.4	2.062	11.15	NM
		02/24/22	6.74	0.11	-94.3	10.600	8.45	265.06
		04/07/22	7.04	0.27	-128.8	23.611	8.69	91.61
		05/05/22	7.05	0.19	-141.9	31.987	10.01	26.70
		07/27/22	6.75	0.00	-328.9	28.045	16.90	36.62
1	MW-2104	12/14/20	6.86	0.00	-63.1	2.676	12.54	26.42
		04/08/21	7.08	0.16	-70.5	2.461	10.26	9.56
		02/23/22	6.98	0.26	-27.0	1.539	7.81	21.61
		03/21/22	6.91	0.14	-15.3	1.231	10.26	18.04
		04/27/22	7.08	0.13	170.2	1.572	7.97	175.17
		07/25/22	6.68	0.03	-67.6	1.255	16.00	19.19
1	MW-2105	12/14/20	7.01	0.11	-71.9	1.885	9.93	14.48
		04/08/21	7.11	0.17	-61.3	1.621	10.31	1.91
		02/23/22	7.20	0.16	-81.9	2.270	7.77	11.58
		03/23/22	7.10	0.17	63.0	1.726	9.13	9.43
		04/26/22	7.34	0.52		1.974	9.34	-87.70
		07/26/22	6.62	0.03	-91.2	2.031	17.56	16.72
1	PZ-2105	12/10/20	7.51	NM	51.6	1.296	11.97	8.73
		04/08/21	7.48	1.80	109.1	0.892	11.73	14.02
		02/22/22	7.46	3.23	-115.3	1.034	8.82	3.41
		03/22/22	7.60	2.38	-63.3	1.013	9.13	3.23
		04/26/22	7.54	3.40	132.9	1.013	9.97	0.00
		07/26/22	7.49	0.78	87.3	1.110	17.69	228.30

**Table 2  
Groundwater Field Parameters  
Former Kenosha Engine Plant  
Kenosha, Wisconsin**

Treatment Area	Well Name	Sample Date	pH Units	Dissolved Oxygen (mg/L)	ORP (mV)	Conductivity (mS/cm)	Temperature (°C)	Turbidity (ntu)
1	MW-2106	12/14/20	7.05	0.03	-47.1	1.424	11.36	3.76
		04/08/21	7.01	0.62	-70.7	1.578	12.30	2.36
		02/21/22	7.04	0.26	-138.5	1.338	9.28	8.20
		03/21/22	7.07	0.12	224.1	1.786	10.58	3.23
		04/27/22	7.27	NM	-174.7	1.956	8.33	9.94
		07/27/22	6.84	0.00	-17.0	1.593	15.19	19.54
1	MW-2107	12/09/20	7.41	0.04	-136.9	0.968	13.81	7.67
		04/07/21	6.43	10.96	60.3	9.300	13.33	2.11
		02/21/22	6.82	0.23	-109.0	1.341	8.70	5.34
		03/21/22	7.13	0.14	167.2	1.519	10.81	0.13
		04/26/22	7.45	NM	14.9	2.938	8.05	0.85
		07/25/22	6.83	1.33	-70.5	1.420	13.85	11.12
1	PZ-2107	12/09/20	7.38	4.33	25.4	3.055	13.60	2.72
		04/08/21	7.49	6.18	143.4	2.050	12.40	4.81
		02/22/22	7.64	7.89	-70.8	0.514	8.81	0.14
		03/22/22	7.57	0.25	72.8	1.979	9.32	10.66
		04/26/22	7.06	1.40	215.5	2.098	8.82	9.79
		07/25/22	7.25	0.34	-67.5	2.354	14.08	2.07
1	MW-2108	12/09/20	7.64	0.08	-220.4	0.601	14.01	2.10
		04/07/21	6.76	10.55	-14.7	0.000	15.31	1.55
		02/21/22	7.45	0.26	-99.0	0.799	8.92	1.29
		03/21/22	7.23	0.12	33.2	0.688	11.19	3.84
		04/27/22	7.30	0.24	199.0	1.090	7.82	0.00
		07/25/22	6.99	0.12	-128.8	1.817	14.52	3.67
1	MW-2109	12/09/20	7.23	0.06	-49.4	2.341	13.30	11.10
		04/07/21	7.21	0.09	-73.4	2.492	11.57	19.50
		02/21/22	7.31	0.07	43.3	1.358	10.15	480.76
		03/21/22	7.29	0.30	223.4	2.383	10.42	56.36
		04/26/22	7.27	NM	92.60	1.998	7.84	3.86
		07/25/22	6.88	0.20	-70.6	2.906	15.34	78.98
1	PZ-2109	12/09/20	7.01	0.06	-91.0	6.959	13.69	4.60
		04/07/21	6.93	1.39	-35.5	6.824	12.00	6.21
		02/21/22	7.09	0.57	28.2	5.843	10.82	9.36
		03/21/22	6.93	0.54	242.8	7.627	11.57	17.02
		04/26/22	6.70	0.22	236.4	7.081	8.05	3.07
		07/25/22	6.71	0.16	-72.3	9.873	14.58	13.42
1	MW-2110	12/15/20	7.95	0.10	-57.4	1.665	10.83	0.00
		04/07/21	6.83	0.26	38.2	2.128	11.16	18.37
		02/21/22	7.19	0.09	47.4	1.491	8.97	48.80
		03/21/22	6.94	0.21	287.4	1.719	10.90	26.94
		04/27/22	7.07	0.82	211.5	1.977	8.72	0.89
		07/25/22	6.66	0.25	-7.7	2.502	14.65	32.15
1	PZ-2110	12/08/20	7.28	NM	171.9	2.708	12.33	25.18
		04/07/21	7.24	3.73	140.6	2569.100	13.02	2.69
		02/21/22	7.32	0.20	35.4	2.734	10.60	37.66
		03/21/22	7.21	0.21	106.7	2.657	11.83	13.45
		03/23/22	7.87	0.28	-68.1	2.844	9.94	9.15
		04/27/22	7.12	NM	157.4	3.704	10.75	1.36
		07/25/22	6.82	0.20	-43.9	3.773	14.03	23.28

**Table 2**  
**Groundwater Field Parameters**  
**Former Kenosha Engine Plant**  
**Kenosha, Wisconsin**

Treatment Area	Well Name	Sample Date	pH Units	Dissolved Oxygen (mg/L)	ORP (mV)	Conductivity (mS/cm)	Temperature (°C)	Turbidity (ntu)
1	MW-2111	12/11/20	6.82	NM	82.4	1.726	12.50	10.77
		04/08/21	6.87	1.11	105.8	1722.700	10.47	2.85
		02/24/22	7.15	0.03	-167.9	5.040	8.59	304.24
		03/23/22	8.63	0.05	-206.2	2.439	9.75	72.26
		04/26/22	8.07	NM	-124.4	4.269	8.91	11.33
		07/27/22	6.89	0.04	-197.0	2.917	16.55	231.53
1	PZ-2111	12/11/20	7.13	NM	113.6	1.201	13.06	23.71
		04/08/21	7.88	4.13	108.9	1043.000	11.79	3.00
		02/23/22	7.05	0.02	-157.7	6.738	10.01	267.18
		03/23/22	7.64	0.12	-129.5	6.952	10.40	31.67
		04/26/22	6.61	NM	55.2	6.989	10.19	37.92
		07/27/22	6.95	0.04	-191.8	6.796	15.86	848.38
1	MW-2112	12/15/20	6.87	NM	-54.3	1.316	11.03	5.70
		04/08/21	6.92	0.19	-42.2	1254.200	11.14	123.28
		02/22/22	6.85	0.26	-142.5	1.344	6.00	6.58
		03/21/22	7.24	0.09	92.4	1.576	9.94	3.55
		04/26/22	7.67	NM	-196.5	1.325	7.80	14.78
		07/25/22	7.12	0.06	-150.3	1.524	15.54	9.04
1	PZ-2112	12/15/20	8.26	7.18	238.4	2.702	11.20	0.00
		04/08/21	7.38	4.74	98.4	2097.200	12.80	5.94
		02/22/22	7.11	3.15	-112.3	0.785	4.38	0.26
		03/21/22	7.41	0.25	125.8	1.577	11.40	4.49
		04/26/22	7.28	0.25	175.0	1.478	8.31	0.94
		07/25/22	7.18	0.10	-187.3	1.665	13.97	5.00
1	MW-2113	12/14/20	6.94	NM	-54.8	1.363	10.90	24.95
		04/08/21	7.04	0.12	-83.1	1228.000	10.06	4.03
		02/23/22	7.33	0.23	-63.2	1.472	5.27	21.83
		03/22/22	7.13	0.14	-187.6	2.391	8.40	2.55
		04/26/22	7.50	NM	-165.1	2.040	8.98	13.68
		07/27/22	6.90	0.01	-201.1	1.421	17.52	33.93
1	PZ-2113	12/14/20	7.05	NM	239.0	1.982	10.89	3.96
		04/09/21	7.09	1.18	66.9	1874.600	10.78	NM
		02/24/22	7.30	0.16	-131.1	3.276	6.57	9.13
		03/23/22	8.15	0.10	-159.4	3.727	9.66	6.21
		04/26/22	6.48	1.14	149.6	2.909	9.04	14.97
		07/27/22	7.08	0.00	-206.5	3.791	17.63	23.42
1	MW-2114	12/14/20	7.23	NM	-71.3	1.025	10.48	61.21
		04/07/21	7.03	0.12	-82.9	1008.400	13.03	5.70
		02/21/22	6.96	0.23	-80.4	1.113	7.83	463.05
		03/21/22	7.00	0.10	79.0	1.098	10.22	16.73
		04/26/22	7.79	NM	-27.2	1.744	8.10	1.20
		07/25/22	6.97	0.04	-124.8	1.391	15.33	14.24
1	PZ-2114	12/14/20	7.63	NM	75.1	1.057	11.58	3.57
		04/07/21	7.69	2.89	-2.1	946.710	17.19	2.95
		02/21/22	7.20	1.92	191.2	0.669	7.59	3.16
		03/21/22	7.53	NM	71.3	0.741	11.89	18.47
		04/26/22	7.58	2.02	182.3	1.026	8.08	0.00
		07/25/22	7.51	0.86	-50.6	1.137	15.11	17.15



**Table 2  
Groundwater Field Parameters  
Former Kenosha Engine Plant  
Kenosha, Wisconsin**

Treatment Area	Well Name	Sample Date	pH Units	Dissolved Oxygen (mg/L)	ORP (mV)	Conductivity (mS/cm)	Temperature (°C)	Turbidity (ntu)
1	MW-61	12/11/20	8.03	0.10	-105.0	1.457	12.84	0.32
		04/08/21	7.22	0.24	-89.1	1524.200	10.55	23.04
		02/23/22	7.40	0.39	-6.6	0.303	6.80	76.64
		03/22/22	7.47	0.16	-151.9	1.750	9.23	11.65
		04/27/22	7.21	0.72	210.2	0.883	9.94	22.68
		07/25/22	6.96	0.17	-93.2	2.927	14.26	11.48
1	PZ-61	12/11/20	7.74	2.00	-120.9	4.355	10.83	54.19
		04/07/21	6.69	2.92	-98.7	2265.000	13.07	171.07
		02/21/22	7.25	0.13	15.8	0.425	8.69	30.02
		03/21/22	6.41	0.12	9.1	2.680	13.68	97.38
		04/27/22	6.54	NM	9.5	2.116	9.53	58.64
		07/25/22	6.06	0.14	-92.7	3.939	13.86	132.71

mg/l = milligrams per liter  
 NM = Not Measured

mV = millivolts  
 °C= degrees Celcius

mS/cm = microSiemens per centimeter  
 ntu = Nephelometric Turbidity Units

**Table 2**  
**Groundwater Field Parameters**  
**Former Kenosha Engine Plant**  
**Kenosha, Wisconsin**

Treatment Area	Well Name	Sample Date	pH Units	Dissolved Oxygen (mg/L)	ORP (mV)	Conductivity (mS/cm)	Temperature (°C)	Turbidity (ntu)
2	MW-31	05/16/18	7.06	6.82	37.3	1.473	13.58	NM
		10/18/18	6.91	2.37	42.4	1.879	15.09	NM
		04/16/19	6.81	0.33	150.3	1.924	12.89	NM
		10/09/19	6.79	4.16	39.0	1.340	17.09	NM
		04/15/20	6.76	4.36	261.0	1.569	7.20	NM
		11/04/20	6.95	0.22	49.1	1.147	16.47	NM
		12/10/20	6.98	10.62	224.7	0.480	12.59	0.00
		04/09/21	6.81	2.21	185.1	1158.400	10.18	NM
		12/30/21	7.58	0.49	-59.00	4.028	11.06	15.83
		01/31/22	7.47	0.13	-91.60	1.4	9.56	13.21
		02/28/22	7.83	0.15	-97.1	1.735	8.00	5.73
		04/26/22	9.40	0.02	-1727.4	1.572	12.11	36.15
		07/26/22	6.95	0.00	-116.7	1.753	15.02	75.49
2	MW-113	05/16/18	7.25	6.33	37.3	1.144	11.10	NM
		10/18/18	7.85	0.44	73.6	1.449	15.44	NM
		04/16/19	7.16	3.07	170.1	1.939	11.00	NM
		10/09/19	7.11	1.14	32.6	1.681	16.70	NM
		04/15/20	7.13	1.96	213.4	1.756	9.17	NM
		11/04/20	7.12	0.97	57.7	1.831	18.66	NM
		12/10/20	6.86	7.46	238.6	2.743	12.28	14.20
		04/05/21	7.31	2.44	137.9	1.578	11.85	NM
		12/30/21	NM	NM	NM	NM	NM	NM
		01/31/22	NM	NM	NM	NM	NM	NM
		02/28/22	NM	NM	NM	NM	NM	NM
		04/26/22	8.24	8.72	-500.2	2.474	11.40	0.00
		07/26/22	6.75	0.54	47.4	2.696	17.04	18.24
2	MW-114	05/16/18	7.30	NM	-36.5	1.102	11.99	NM
		10/17/18	7.16	0.20	-109.6	1.115	14.22	NM
		04/16/19	7.09	0.14	-79.6	1.041	9.66	NM
		10/09/19	6.93	1.93	-9.4	1.103	16.84	NM
		04/15/20	7.38	0.19	-76.7	1.048	7.44	NM
		11/04/20	7.17	NM	-77.1	0.994	15.72	NM
		12/10/20	7.22	0.09	-96.0	1.065	12.98	3.30
		04/05/21	7.22	0.43	-93.3	1.044	12.16	NM
		12/30/21	7.39	0.29	79.40	2.392	11.71	103.94
		01/31/22	7.61	9.81	-72.70	1.600	7.29	5.03
		02/28/22	7.32	0.22	-8.1	1.173	9.21	9.32
		04/25/22	8.78	0.09	-1612.9	1.251	12.48	72.36
		07/26/22	6.86	0.00	-175.9	1.422	16.60	41.22
2	PZ-118	05/16/18	7.12	0.88	-59.9	1.292	12.79	NM
		10/17/18	7.40	0.19	-37.8	1.714	14.34	NM
		04/17/19	6.99	1.39	33.9	1.742	8.81	NM
		10/09/19	6.97	0.09	-12.6	1.655	15.62	NM
		04/15/20	6.86	0.15	65.5	2.120	8.38	NM
		11/04/20	7.03	0.09	-75.4	1.657	17.37	NM
		12/10/20	6.84	0.02	-66.3	1.840	13.39	8.01
		04/05/21	7.03	10.77	189.1	2.650	11.33	NM
		12/30/21	7.22	0.89	138.20	3.930	11.49	6.45
		01/31/22	7.26	0.58	-61.6	1.641	9.93	2.25
		02/28/22	7.23	1.46	-54.0	4.407	13.02	86.27
		04/26/22	8.34	0.05	-1298.5	2.474	11.54	20.82
		07/26/22	6.79	0.00	-64.4	1.883	14.72	24.72

**Table 2  
Groundwater Field Parameters  
Former Kenosha Engine Plant  
Kenosha, Wisconsin**

Treatment Area	Well Name	Sample Date	pH Units	Dissolved Oxygen (mg/L)	ORP (mV)	Conductivity (mS/cm)	Temperature (°C)	Turbidity (ntu)
2	MW-2201	12/09/20	7.06	NM	-134.6	1.165	12.70	334.24
		04/09/21	6.77	5.58	151.2	1250.100	9.51	0.00
		12/30/21	7.60	0.14	-22.00	3.071	11.31	0.00
		01/31/22	7.66	0.14	-50.4	1.017	9.04	1.45
		02/28/22	7.66	0.21	-97.2	1.241	9.93	7.96
		04/26/22	8.22	0.15	-1226.4	1.401	11.59	12.12
		07/26/22	6.78	0.00	-176.5	1.264	14.68	22.05
2	MW-2202	12/08/20	7.04	0.55	-56.3	1.171	11.72	0.27
		04/09/21	6.30	3.47	67.1	1172.900	10.27	0.00
		12/30/21	6.94	2.09	199.70	3.659	7.58	65.46
		01/31/22	7.39	0.23	152.1	1.721	7.34	27.19
		02/28/22	7.78	0.15	-123.0	1.728	8.16	22.67
		04/26/22	7.40	0.12	-1089.2	1.148	12.89	2.02
		07/26/22	6.86	0.15	-95.8	1.571	15.61	6.40
2	PZ-2202	12/08/20	7.13	0.62	-60.2	1.431	11.67	11.63
		04/09/21	7.30	4.04	48.3	1570.400	11.72	7.03
		12/30/21	6.57	0.11	147.70	3.897	10.47	69.32
		01/31/22	6.88	0.11	90.7	2.004	9.77	30.35
		02/28/22	6.94	0.12	-76.5	2.253	9.04	9.26
		04/26/22	3.96	0.03	-1159.3	2.212	13.50	93.04
		07/26/22	6.32	0.02	-76.9	2.191	17.36	94.44
2	MW-2203	12/08/20	6.90	0.55	3.6	1.252	12.12	3.14
		04/09/21	7.40	3.50	161.5	1180.900	10.57	3.99
		12/30/21	7.17	0.43	167.00	2.807	8.98	0.00
		01/31/22	7.37	0.37	193.3	1.129	10.34	0.09
		02/28/22	7.99	3.38	215.2	1.302	7.66	0.23
		04/26/22	9.27	0.51	-594.2	1.343	11.49	5.28
		07/26/22	6.85	0.14	111.5	1.451	13.67	1.24
2	PZ-2203	12/08/20	7.38	5.67	217.1	1.352	11.56	0.00
		04/09/21	7.25	5.13	181.6	1277.500	11.43	1.64
		12/30/21	7.51	1.60	146.20	2.603	9.89	13.94
		01/31/22	7.45	6.20	194.1	1.118	8.05	0.00
		02/28/22	7.91	2.75	208.4	1.307	7.37	0.00
		04/26/22	9.80	1.69	-558.8	1.224	12.60	2.56
		07/26/22	7.32	0.13	99.6	1.320	14.80	113.39

mg/l = milligrams per liter  
NM = Not Measured

mV = millivolts  
°C= degrees Celcius

mS/cm = microSiemens per centimeter  
ntu = Nephelometric Turbidity Units

**Table 2  
Groundwater Field Parameters  
Former Kenosha Engine Plant  
Kenosha, Wisconsin**

Treatment Area	Well Name	Sample Date	pH Units	Dissolved Oxygen (mg/L)	ORP (mV)	Conductivity (mS/cm)	Temperature (°C)	Turbidity (ntu)
3	MW-2301	12/15/20	6.83	NM	-1.5	0.986	12.08	12.34
		04/09/21	6.80	0.00	-41.3	162.400	8.80	NM
		11/20/21	7.46	0.11	-273.2	3.556	12.71	263.24
		12/22/21	7.83	0.09	-242.4	1.416	9.49	4.53
		01/24/22	8.00	0.06	122.1	1.214	10.56	67.17
		04/26/22	7.78	0.04	-126.8	1.141	8.14	1.47
		07/26/22	7.93	0.06	-207.2	0.329	15.33	529.50
3	PZ-2301	12/07/20	7.10	NM	8.7	1.204	11.64	42.15
		04/09/21	7.21	11.37	-24.2	28.290	8.12	NM
		11/20/21	7.56	0.23	-263.8	2.056	11.44	103.54
		12/22/21	7.79	0.09	-247.0	1.080	9.69	16.51
		01/24/22	8.17	0.04	77.7	0.768	9.58	18.94
		04/26/22	9.38	0.07	-170.0	0.724	10.01	15.69
		07/27/22	9.53	0.13	-104.2	0.413	18.06	31.55
3	MW-2302	12/07/20	7.71	NM	-159.9	1.615	11.95	0.00
		04/09/21	6.77	3.47	-2.5	5.300	9.99	NM
		11/20/21	7.72	0.16	-218.4	2.304	12.77	3.20
		12/22/21	7.32	0.12	-99.4	1.977	9.29	2.00
		01/24/22	7.64	0.10	235.0	1.865	8.40	18.09
		04/27/22	7.66	6.05	29.6	1.911	6.74	0.50
		07/26/22	8.06	0.09	-190.9	2.002	15.16	27.49
3	PZ-2302	12/07/20	6.97	NM	-46.0	2.612	12.16	54.12
		04/09/21	7.59	1.56	-52.0	20.570	7.92	NM
		11/20/21	7.20	0.15	-162.9	2.555	12.17	0.00
		12/22/21	7.05	0.35	-84.7	2.137	9.44	0.00
		01/24/22	7.47	0.86	264.2	2.049	9.34	2.17
		04/27/22	7.37	0.25	16.1	3.164	8.31	0.29
		07/26/22	7.04	0.23	-75.5	1.705	15.40	5.89
3	MW-2303	12/08/20	7.19	NM	58.5	1.202	10.78	2195.60
		04/09/21	7.52	18.48	-47.8	27.920	9.80	NM
		11/20/21	7.46	0.20	-228.4	1.266	12.37	39.39
		12/22/21	6.80	0.46	-124.8	1.750	8.04	134.92
		01/24/22	7.76	0.22	248.8	0.666	8.76	23.24
		04/27/22	7.37	0.19	-76.1	2.623	7.89	9.46
		07/26/22	7.40	0.20	-138.3	1.020	17.39	3.48
3	PZ-2303	12/08/20	6.78	NM	-30.4	1.355	11.82	10.75
		04/09/21	7.00	17.63	-22.3	27.910	9.90	NM
		11/20/21	6.96	0.15	-220.5	2.827	13.47	1.22
		12/22/21	6.91	0.78	-183.6	2.579	7.23	8.70
		01/24/22	7.32	0.13	258.5	1.430	8.99	0.00
		04/27/22	7.09	0.15	-13.2	3.717	8.35	3.74
		07/26/22	6.85	0.12	-129.9	125.51	16.54	19.79

mg/l = milligrams per liter

mV = millivolts

mS/cm = microSiemens per centimeter

NM = Not Measured

°C= degrees Celcius

ntu = Nephelometric Turbidity Units

**Table 2  
Groundwater Field Parameters  
Former Kenosha Engine Plant  
Kenosha, Wisconsin**

Treatment Area	Well Name	Sample Date	pH Units	Dissolved Oxygen (mg/L)	ORP (mV)	Conductivity (mS/cm)	Temperature (°C)	Turbidity (ntu)
4	MW-44	05/17/18	7.13	1.98	25.0	2.627	12.28	NM
		10/18/18	7.22	0.87	63.9	5.294	17.35	NM
		04/16/19	6.86	1.13	176.4	4.491	11.21	NM
		10/09/19	7.01	4.75	266.9	3.664	17.55	NM
		04/15/20	7.03	2.65	114.8	4.406	8.47	NM
		11/04/20	7.07	NM	188.9	2.763	15.81	NM
		12/10/20	7.17	NM	163.8	2.242	13.00	21.71
		04/09/21	6.54	7.08	-2.2	88.010	8.87	NM
		12/08/21	7.18	0.47	-34.3	2.563	12.33	0.00
		01/11/22	NM	NM	NM	NM	NM	NM
		02/07/22	7.15	0.99	55.1	2.512	8.40	9.87
		04/25/22	7.64	2.05	102.8	4.034	9.73	0.77
		07/26/22	6.68	NM	176.3	4.181	17.68	0.00
4	MW-65	5/21/2012	7.13	0.25	-92.9	3.763	12.07	NM
		5/27/2014	6.93	0.14	26.6	2.692	12.53	NM
		9/30/2014	6.91	0.67	-45.0	2.615	13.87	NM
		12/8/2014	7.13	0.38	-71.6	2.533	11.86	NM
		3/25/2015	7.06	0.26	-46.5	2.842	7.96	NM
		12/10/20	6.93	NM	-37.7	4.430	13.00	146.33
		04/09/21	6.73	0.24	-38.1	2356.500	11.22	NM
		12/08/21	8.23	0.03	-370.7	4.459	10.40	39.07
		01/11/22	7.44	0.22	223.1	3.398	10.38	0.00
		02/07/22	7.48	0.18	-165.8	3.591	7.86	2.21
		04/25/22	7.00	0.07	-78.1	3.564	9.79	1.03
07/26/22	6.77	0.04	75.4	3.696	14.55	0.00		
4	MW-108	05/17/18	6.97	4.42	108.9	3.831	12.57	NM
		10/17/18	7.08	0.64	43.7	3.751	16.91	NM
		04/16/19	6.90	6.00	170.5	4.499	13.09	NM
		10/09/19	7.03	0.21	232.3	3.335	16.89	NM
		04/14/20	7.00	3.09	97.9	5.294	7.94	NM
		11/04/20	6.90	NM	184.3	3.886	15.13	NM
		12/10/20	6.93	NM	172.0	4.652	12.64	1.69
		04/09/21	8.55	6.57	-97.5	41.070	9.10	NM
		12/08/21	6.80	0.98	-40.9	14.170	11.87	0.00
		01/11/22	NM	NM	NM	NM	NM	NM
		02/07/22	6.82	4.20	68.6	12.556	6.16	0.00
		04/25/22	6.69	7.00	108.0	12.487	9.47	33.37
07/26/22	6.87	2.04	66.8	10.694	23.51	709.54		
4	MW-79	5/19/2018	7.13	0.29	-54.6	3.572	14.61	NM
		10/18/2018	6.84	0.27	-109.3	6.524	19.15	NM
		4/17/2019	8.07	0.27	-34.1	5.119	11.31	NM
		10/9/2019	6.88	0.13	-86.3	7.857	20.57	NM
		4/15/2020	6.96	0.52	-40.0	7.525	11.09	NM
		11/4/2020	6.91	0.07	-93.6	7.250	20.22	NM
		4/5/2021	6.98	10.18	171.7	0.809	13.74	NM
		12/08/21	7.16	0.15	-123.4	9.175	15.35	3.13
		01/11/22	7.02	0.22	314.8	7.738	11.28	7.19
		02/07/22	7.15	0.22	-93.0	7.580	11.47	14.74
		04/25/22	7.65	0.07	-990.4	8.514	15.12	13.08
7/26/2022	6.96	0.08	127.3	7.831	19.48	0.35		

**Table 2  
Groundwater Field Parameters  
Former Kenosha Engine Plant  
Kenosha, Wisconsin**

Treatment Area	Well Name	Sample Date	pH Units	Dissolved Oxygen (mg/L)	ORP (mV)	Conductivity (mS/cm)	Temperature (°C)	Turbidity (ntu)
4	MW-80	5/19/2018	7.51	0.15	-83.2	0.182	14.27	NM
		10/18/2018	7.90	0.16	-102.7	2.562	19.61	NM
		4/17/2019	7.02	1.17	-76.3	3.184	11.47	NM
		10/9/2019	7.15	0.18	-125.2	2.791	21.69	NM
		4/15/2020	6.97	0.15	-78.9	4.849	10.12	NM
		11/4/2020	7.03	NM	-122.2	2.347	19.82	NM
		4/5/2021	6.94	10.23	94.4	3.480	13.08	NM
		12/08/21	7.26	0.13	-139.6	3.307	14.82	78.22
		01/11/22	7.21	0.29	327.2	2.274	9.25	16.73
		02/07/22	7.01	0.18	-107.1	2.779	9.92	22.73
		04/25/22	7.09	1.86	-27.1	0.372	11.30	33.71
7/26/2022	7.27	0.19	-128.4	3.170	21.44	169.12		
4	MW-81	5/19/2018	7.02	0.38	-47.4	2.558	14.73	NM
		10/18/2018	6.83	0.20	-117.9	3.118	19.42	NM
		4/17/2019	6.76	0.09	-55.5	2.977	11.13	NM
		11/4/2020	7.07	NM	188.9	2.763	15.81	NM
		10/9/2019	6.93	0.12	-103.2	3.085	20.47	NM
		4/15/2020	6.80	0.11	-48.2	3.741	9.72	NM
		11/4/2020	6.76	NM	-90.5	3.080	18.99	NM
		4/5/2021	6.72	4.53	116.1	0.889	14.09	NM
		12/08/21	7.01	0.12	-136.9	3.850	15.19	0.63
		01/11/22	6.06	10.96	385.9	0.007	12.76	0.28
		02/07/22	6.99	0.28	-38.0	3.175	10.54	59.52
04/25/22	6.67	0.24	-19.7	4.069	11.81	14.70		
7/26/2022	6.94	0.24	-82.4	4.567	19.72	85.57		
4	MW-82	5/19/2018	7.25	0.23	-67.9	3.011	14.82	NM
		10/18/2018	7.83	0.21	-89.6	3.824	21.28	NM
		4/17/2019	8.80	0.10	-50.1	2.982	11.49	NM
		10/9/2019	7.03	0.09	-107.1	4.025	21.30	NM
		4/15/2020	7.13	0.16	-64.2	4.154	10.92	NM
		11/4/2020	7.05	0.08	-116.4	3.136	21.02	NM
		4/5/2021	6.83	9.69	100.4	2.490	14.66	NM
		12/08/21	6.89	0.17	-188.5	5.698	14.13	65.11
		01/11/22	7.07	0.46	388.3	2.910	11.78	14.24
		02/07/22	7.50	0.33	-182.8	1.749	9.86	78.12
		04/25/22	NM	0.00	-1781.7	1.196	16.74	299.44
7/26/2022	7.62	NM	-12.2	1.178	24.30	110.21		
4	PZ-82	10/7/2021	8.09	8.97	-84.6	8.480	20.16	0.87
		12/8/2021	6.84	0.31	-92.1	3.323	10.72	207.99
		1/12/2022	7.64	0.16	58.2	2.263	13.58	250.42
		2/7/2022	6.93	0.42	-134.3	1.710	10.08	125.53
		4/25/2022	9.05	0.03	-1548.1	1.507	16.69	280.53
		7/26/2022	7.20	NM	-29.9	1.107	22.27	256.84

mg/l = milligrams per liter      mV = millivolts      mS/cm = microSiemens per centimeter  
 NM = Not Measured                  °C= degrees Celcius      ntu = Nephelometric Turbidity Units

**Table 3A  
Detected Volatile Organic Compounds in Groundwater  
Treatment Area 1  
Former Kenosha Engine Plant**

		Analyte:	1,1-Dichloro ethane	1,1-Dichloro ethene	1,2-Dichloro ethane	1,2,4-Trimethyl benzene	1,3,5-Trimethyl benzene	1,2-Dichloro benzene	1,3-Dichloro benzene	Benzene	Bromo dichloro methane	Chloro ethane	Chloroform	cis-1,2-Dichloro ethene
		ES	850	7	5	480	480	600	600	5	0.6	400	6	70
		PAL	85	0.7	0.5	96	96	60	120	0.5	0.06	80	0.6	7
		Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Treatment Area	Sample Location	Sample Date												
1	MW-2101	12/9/2020	< 0.27	< 0.24	< 0.28	< 0.84	< 0.87	< 0.71	< 0.63	< 0.25	< 0.36	< 1.3	< 1.3	<u>19</u>
1	MW-2101	4/8/2021	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	0.70 <sup>J</sup>
1	MW-2101	2/22/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	<u>7.6</u>
1	MW-2101	3/21/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	6
1	MW-2101	4/27/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	0.30 <sup>J</sup>	< 0.42	< 1.4	< 1.2	2.7
1	MW-2101	7/26/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	< 0.47
1	PZ-2101	12/9/2020	< 136	< 122	< 140	< 420	< 437	< 353	< 314	< 123	< 182	< 671	< 637	<b>17600</b>
1	PZ-2101	4/9/2021	< 148	< 291	< 146	< 224	< 179	< 163	< 176	< 148	< 208	< 690	< 591	<b>11700</b>
1	PZ-2101	2/24/2022	< 29.6	< 58.2	< 29.2	< 44.9	< 35.7	< 32.6	< 35.1	< 29.5	< 41.5	< 138	< 118	<b>9410</b>
1	PZ-2101	3/23/2022	< 185	< 364	< 182	< 280	< 223	< 204	< 219	< 185	< 260	< 862	< 739	<b>13400</b>
1	PZ-2101	4/27/2022	< 29.6	<b>205</b>	< 29.2	< 44.9	< 35.7	< 32.6	< 35.1	< 29.5	< 41.5	< 138	< 118	<b>22000</b>
1	PZ-2101	7/26/2022	< 296	< 582	< 292	< 449	< 357	< 326	< 351	< 295	< 415	< 1380	< 1180	<b>51200</b>
1	MW-2102	12/15/2020	< 1.4	< 1.2	< 1.4	< 4.2	< 4.4	< 3.5	< 3.1	< 1.2	< 1.8	< 6.7	< 6.4	<b>317</b>
1	MW-2102	4/8/2021	< 1.2	< 2.3	< 1.2	< 1.8	< 1.4	< 1.3	< 1.4	< 1.2	< 1.7	< 5.5	< 4.7	<b>194</b>
1	MW-2102	2/22/2022	0.77 <sup>J</sup>	< 1.2	< 0.58	< 0.90	< 0.71	< 0.65	< 0.70	< 0.59	< 0.83	< 2.8	< 2.4	<b>157</b>
1	MW-2102	3/22/2022	1.4 <sup>J</sup>	< 1.2	< 0.58	< 0.90	< 0.71	< 0.65	< 0.70	<u>0.86<sup>J</sup></u>	< 0.83	< 2.8	< 2.4	<b>220</b>
1	MW-2102	4/27/2022	1.1 <sup>J</sup>	< 1.2	< 0.58	< 0.90	< 0.71	< 0.65	< 0.70	<u>1.1<sup>J</sup></u>	< 0.83	< 2.8	< 2.4	<b>85.9</b>
1	MW-2102	7/25/2022	0.91 <sup>J</sup>	< 1.2	< 0.58	< 0.90	< 0.71	< 0.65	< 0.70	<u>0.85<sup>J</sup></u>	< 0.83	< 2.8	< 2.4	<b>327</b>
1	MW-2103	12/14/2020	< 1.4	<u>2.9<sup>J</sup></u>	< 1.4	< 4.2	< 4.4	< 3.5	< 3.1	< 1.2	< 1.8	< 6.7	< 6.4	<b>1390</b>
1	MW-2103	4/23/2021	< 3.0	< 5.8	< 2.9	< 4.5	< 3.6	< 3.3	< 3.5	< 3.0	< 4.2	< 13.8	< 11.8	<b>1280</b>
1	MW-2103	2/23/2022	< 3.0	<b>71</b>	< 2.9	< 4.5	< 3.6	< 3.3	< 3.5	< 3.0	< 4.2	< 13.8	< 11.8	<b>10200</b>
1	MW-2103	3/22/2022	< 29.6	< 58.2	< 29.2	< 44.9	< 35.7	< 32.6	< 35.1	< 29.5	< 41.5	< 138	< 118	<b>6810</b>
1	MW-2103	4/27/2022	< 5.9	<b>13.2<sup>J</sup></b>	< 5.8	< 9.0	< 7.1	< 6.5	< 7.0	< 5.9	< 8.3	< 27.6	< 23.7	<b>3330<sup>J</sup></b>
1	MW-2103	7/26/2022	< 5.9	<b>24.1</b>	< 5.8	< 9.0	< 7.1	< 6.5	< 7.0	< 5.9	< 8.3	< 27.6	< 23.7	<b>5770</b>

**Table 3A**  
**Detected Volatile Organic Compounds in Groundwater**  
**Treatment Area 1**  
**Former Kenosha Engine Plant**

		Analyte:	Ethylbenzene	Methylene Chloride	n-Butyl benzene	n-Propyl benzene	sec-Butyl benzene	Tetra chloro ethene	Toluene	trans-1,2-Dichloro ethene	Trichloro ethene	Vinyl chloride	Xylene (Total)
		ES	700	5	NE	NE	NE	5	800	100	5	0.2	2000
		PAL	140	0.5	NE	NE	NE	0.5	160	20	0.5	0.02	400
		Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Treatment Area	Sample Location	Sample Date											
1	MW-2101	12/9/2020	< 0.32	< 0.58	< 0.71	< 0.81	< 0.85	< 0.33	< 0.27	< 0.46	<u>0.74</u> <sup>J</sup>	<b>249</b>	< 1.5
1	MW-2101	4/8/2021	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	0.35 <sup>J</sup>	<b>1.7</b>	< 1.0
1	MW-2101	2/22/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	0.45 <sup>J</sup>	< 0.17	< 1.0
1	MW-2101	3/21/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	0.34 <sup>J</sup>	<b>2.8</b>	< 1.0
1	MW-2101	4/27/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	< 0.17	< 1.0
1	MW-2101	7/26/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	<b>0.24</b> <sup>J</sup>	< 1.0
1	PZ-2101	12/9/2020	< 159	< 290	< 354	< 405	< 424	< 163	< 135	< 232	<b>40300</b>	<b>258</b> <sup>J</sup>	< 750
1	PZ-2101	4/9/2021	< 163	< 160	< 429	< 173	< 212	< 204	< 144	< 264	<b>24400</b>	<b>153</b> <sup>J</sup>	< 524
1	PZ-2101	2/24/2022	< 32.5	< 31.9	< 85.7	< 34.5	< 42.4	< 40.9	< 28.8	< 52.8	<b>11800</b>	<b>143</b>	< 105
1	PZ-2101	3/23/2022	< 203	< 200	< 536	< 216	< 265	< 255	< 180	< 330	<b>64200</b>	<b>134</b> <sup>J</sup>	< 655
1	PZ-2101	4/27/2022	< 32.5	< 31.9	< 85.7	< 34.5	< 42.4	<b>71.3</b> <sup>J</sup>	< 28.8	< 52.8	<b>92400</b>	<b>373</b>	< 105
1	PZ-2101	7/26/2022	< 325	< 319	< 857	< 345	< 424	< 409	< 288	< 528	<b>70300</b>	<b>2780</b>	< 1050
1	MW-2102	12/15/2020	< 1.6	< 2.9	< 3.5	< 4.1	< 4.2	< 1.6	< 1.3	2.5 <sup>J</sup>	< 1.3	<b>218</b>	< 7.5
1	MW-2102	4/8/2021	< 1.3	< 1.3	< 3.4	< 1.4	< 1.7	< 1.6	< 1.2	2.3 <sup>J</sup>	< 1.3	<b>222</b>	< 4.2
1	MW-2102	2/22/2022	< 0.65	< 0.64	< 1.7	< 0.69	< 0.85	< 0.82	< 0.58	< 1.1	< 0.64	<b>151</b>	< 2.1
1	MW-2102	3/22/2022	< 0.65	< 0.64	< 1.7	< 0.69	< 0.85	< 0.82	< 0.58	1.3 <sup>J</sup>	< 0.64	<b>169</b>	< 2.1
1	MW-2102	4/27/2022	< 0.65	< 0.64	< 1.7	< 0.69	< 0.85	< 0.82	< 0.58	< 1.1	<u>0.91</u> <sup>J</sup>	<b>76</b>	< 2.1
1	MW-2102	7/25/2022	< 0.65	< 0.64	< 1.7	< 0.69	< 0.85	< 0.82	< 0.58	1.6 <sup>J</sup>	<u>0.87</u> <sup>J</sup>	<b>144</b>	< 2.1
1	MW-2103	12/14/2020	< 1.6	< 2.9	< 3.5	< 4.1	< 4.2	< 1.6	< 1.3	<u>90.1</u>	<b>966</b>	<b>255</b>	< 7.5
1	MW-2103	4/23/2021	< 3.3	< 3.2	< 8.6	< 3.5	< 4.2	< 4.1	< 2.9	<u>75.3</u>	<b>429</b>	<b>284</b>	< 10.5
1	MW-2103	2/23/2022	< 3.3	< 3.2	< 8.6	< 3.5	< 4.2	< 4.1	< 2.9	<b>126</b>	<b>257</b>	<b>238</b>	< 10.5
1	MW-2103	3/22/2022	< 32.5	< 31.9	< 85.7	< 34.5	< 42.4	< 40.9	< 28.8	<b>111</b>	< 32.0	<b>539</b>	< 105
1	MW-2103	4/27/2022	< 6.5	< 6.4	< 17.1	< 6.9	< 8.5	< 8.2	< 5.8	<u>94.3</u> <sup>J</sup>	<u>7.2</u> <sup>J</sup>	<b>450</b>	< 21.0
1	MW-2103	7/26/2022	< 6.5	< 6.4	< 17.1	< 6.9	< 8.5	< 8.2	< 5.8	<u>92.0</u> <sup>J</sup>	< 6.4	<b>1090</b>	< 21.0



**Table 3A**  
**Detected Volatile Organic Compounds in Groundwater**  
**Treatment Area 1**  
**Former Kenosha Engine Plant**

		Analyte:	1,1-Dichloro ethane	1,1-Dichloro ethene	1,2-Dichloro ethane	1,2,4-Trimethyl benzene	1,3,5-Trimethyl benzene	1,2-Dichloro benzene	1,3-Dichloro benzene	Benzene	Bromo dichloro methane	Chloro ethane	Chloroform	cis-1,2-Dichloro ethene
		ES	850	7	5	480	480	600	600	5	0.6	400	6	70
		PAL	85	0.7	0.5	96	96	60	120	0.5	0.06	80	0.6	7
		Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Treatment Area	Sample Location	Sample Date												
1	MW-2103 DU	12/14/2020	< 1.4	<u>3.7<sup>J</sup></u>	< 1.4	< 4.2	< 4.4	< 3.5	< 3.1	< 1.2	< 1.8	< 6.7	< 6.4	<b>1500</b>
1	MW-2103 DU	4/8/2021	< 3.0	< 5.8	< 2.9	< 4.5	< 3.6	< 3.3	< 3.5	< 3.0	< 4.2	< 13.8	< 11.8	<b>1190</b>
1	MW-2103 DU	2/23/2022	< 3.0	<b>64.5</b>	< 2.9	< 4.5	< 3.6	< 3.3	< 3.5	< 3.0	< 4.2	< 13.8	< 11.8	<b>9210</b>
1	MW-2103 DU	3/22/2022	< 29.6	< 58.2	< 29.2	< 44.9	< 35.7	< 32.6	< 35.1	< 29.5	< 41.5	< 138	< 118	<b>6710</b>
1	MW-2103 DU	4/27/2022	< 5.9	< 11.6	< 5.8	< 9.0	< 7.1	< 6.5	< 7.0	< 5.9	< 8.3	< 27.6	< 23.7	<b>2280<sup>J</sup></b>
1	MW-2103 DU	7/26/2022	< 5.9	<b>20.8</b>	< 5.8	< 9.0	< 7.1	< 6.5	< 7.0	< 5.9	< 8.3	< 27.6	< 23.7	<b>4960</b>
1	PZ-2103	12/14/2020	< 170	< 153	< 175	< 525	< 546	< 441	< 392	< 154	< 227	< 839	< 796	<b>10300</b>
1	PZ-2103	4/9/2021	< 370	< 728	< 364	< 561	< 447	< 407	< 439	< 369	< 519	< 1720	< 1480	<b>10800</b>
1	PZ-2103	2/24/2022	< 29.6	< 58.2	< 29.2	< 44.9	< 35.7	< 32.6	< 35.1	< 29.5	< 41.5	< 138	< 118	<b>3310</b>
1	PZ-2103	4/7/2022	< 29.6	< 58.2	< 29.2	< 44.9	< 35.7	< 32.6	< 35.1	< 29.5	< 41.5	< 138	< 118	<b>5370</b>
1	PZ-2103	5/5/2022	< 59.1	< 116	< 58.3	< 89.7	< 71.5	< 65.2	< 70.2	< 59.1	< 83.1	< 276	< 237	<b>4160</b>
1	PZ-2103	7/26/2022	< 59.1	< 116	< 58.3	< 89.7	< 71.5	< 65.2	< 70.2	< 59.1	< 83.1	< 276	< 237	<b>14300</b>
1	PZ-2103 DUF	12/14/2020	< 170	< 153	< 175	< 525	< 546	< 441	< 392	< 154	< 227	< 839	< 796	<b>9920</b>
1	PZ-2103 DUF	4/9/2021	< 370	< 728	< 364	< 561	< 447	< 407	< 439	< 369	< 519	< 1720	< 1480	<b>12000</b>
1	PZ-2103 DUF	2/24/2022	< 59.1	< 116	< 58.3	< 89.7	< 71.5	< 65.2	< 70.2	< 59.1	< 83.1	< 276	< 237	<b>3130</b>
1	PZ-2103 DUF	4/7/2022	< 59.1	< 116	< 58.3	< 89.7	< 71.5	< 65.2	< 70.2	< 59.1	< 83.1	< 276	< 237	<b>4550</b>
1	PZ-2103 DUF	5/5/2022	< 59.1	< 116	< 58.3	< 89.7	< 71.5	< 65.2	< 70.2	< 59.1	< 83.1	< 276	< 237	<b>4290</b>
1	PZ-2103 DUF	7/26/2022	< 59.1	< 116	< 58.3	< 89.7	< 71.5	< 65.2	< 70.2	< 59.1	< 83.1	< 276	< 237	<b>12200</b>
1	MW-2104	12/14/2020	< 0.27	< 0.24	< 0.28	< 0.84	< 0.87	< 0.71	< 0.63	< 0.25	< 0.36	< 1.3	< 1.3	5.4
1	MW-2104	4/8/2021	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	3.6
1	MW-2104	2/23/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	1.9
1	MW-2104	3/21/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	2.5
1	MW-2104	4/27/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	1.6
1	MW-2104	7/25/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	2.6

**Table 3A  
Detected Volatile Organic Compounds in Groundwater  
Treatment Area 1  
Former Kenosha Engine Plant**

		Analyte:	Ethylbenzene	Methylene Chloride	n-Butyl benzene	n-Propyl benzene	sec-Butyl benzene	Tetra chloro ethene	Toluene	trans-1,2-Dichloro ethene	Trichloro ethene	Vinyl chloride	Xylene (Total)
		ES	700	5	NE	NE	NE	5	800	100	5	0.2	2000
		PAL	140	0.5	NE	NE	NE	0.5	160	20	0.5	0.02	400
		Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Treatment Area	Sample Location	Sample Date											
1	MW-2103 DU	12/14/2020	< 1.6	< 2.9	< 3.5	< 4.1	< 4.2	< 1.6	< 1.3	<u>98.7</u>	<b>1130</b>	<b>257</b>	< 7.5
1	MW-2103 DU	4/8/2021	< 3.3	< 3.2	< 8.6	< 3.5	< 4.2	< 4.1	< 2.9	<u>71.5</u>	<b>402</b>	<b>270</b>	< 10.5
1	MW-2103 DU	2/23/2022	< 3.3	< 3.2	< 8.6	< 3.5	< 4.2	< 4.1	< 2.9	<b>118</b>	<b>183</b>	<b>233</b>	< 10.5
1	MW-2103 DU	3/22/2022	< 32.5	< 31.9	< 85.7	< 34.5	< 42.4	< 40.9	< 28.8	<b>124</b>	< 32.0	<b>311</b>	< 105
1	MW-2103 DU	4/27/2022	< 6.5	< 6.4	< 17.1	< 6.9	< 8.5	< 8.2	< 5.8	<u>69.0</u> <sup>J</sup>	< 6.4	<b>513</b>	< 21.0
1	MW-2103 DU	7/26/2022	< 6.5	< 6.4	< 17.1	< 6.9	< 8.5	< 8.2	< 5.8	<u>61.4</u> <sup>J</sup>	< 6.4	<b>1230</b>	< 21.0
1	PZ-2103	12/14/2020	< 199	< 363	< 443	< 507	< 530	< 204	< 168	<b>957</b> <sup>J</sup>	<b>176000</b>	< 109	< 938
1	PZ-2103	4/9/2021	< 406	< 399	< 1070	< 432	< 530	< 511	< 360	<b>754</b> <sup>J</sup>	<b>173000</b>	< 218	< 1310
1	PZ-2103	2/24/2022	< 32.5	< 31.9	< 85.7	< 34.5	< 42.4	< 40.9	< 28.8	<b>161</b>	<b>15800</b>	<b>50.3</b> <sup>J</sup>	< 105
1	PZ-2103	4/7/2022	< 32.5	< 31.9	< 85.7	< 34.5	< 42.4	< 40.9	< 28.8	<b>115</b>	<b>52200</b>	<b>75.6</b>	< 105
1	PZ-2103	5/5/2022	< 65.0	< 63.9	< 171	< 69.1	< 84.8	< 81.7	< 57.6	< 106	<b>32000</b>	< 34.9	< 210
1	PZ-2103	7/26/2022	< 65.0	< 63.9	< 171	< 69.1	< 84.8	< 81.7	< 57.6	< 106	<b>35300</b>	<b>65.7</b> <sup>J</sup>	< 210
1	PZ-2103 DUF	12/14/2020	< 199	< 363	< 443	< 507	< 530	< 204	< 168	<b>898</b> <sup>J</sup>	<b>180000</b>	< 109	< 938
1	PZ-2103 DUF	4/9/2021	< 406	< 399	< 1070	< 432	< 530	< 511	< 360	<b>777</b> <sup>J</sup>	<b>201000</b>	< 218	< 1310
1	PZ-2103 DUF	2/24/2022	< 65.0	< 63.9	< 171	< 69.1	< 84.8	< 81.7	< 57.6	<b>155</b> <sup>J</sup>	<b>14500</b>	< 34.9	< 210
1	PZ-2103 DUF	4/7/2022	< 65.0	< 63.9	< 171	< 69.1	< 84.8	< 81.7	< 57.6	< 106	<b>22400</b>	<b>72.6</b>	< 210
1	PZ-2103 DUF	5/5/2022	< 65.0	< 63.9	< 171	< 69.1	< 84.8	< 81.7	< 57.6	<b>133</b> <sup>J</sup>	<b>32400</b>	< 34.9	< 210
1	PZ-2103 DUF	7/26/2022	< 65.0	< 63.9	< 171	< 69.1	< 84.8	< 81.7	< 57.6	< 106	<b>29800</b>	<b>56.3</b> <sup>J</sup>	< 210
1	MW-2104	12/14/2020	< 0.32	< 0.58	< 0.71	< 0.81	< 0.85	< 0.33	< 0.27	0.85 <sup>J</sup>	0.44 <sup>J</sup>	< 0.57 <sup>U</sup>	< 1.5
1	MW-2104	4/8/2021	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	0.53 <sup>J</sup>	< 0.32	<b>0.57</b> <sup>J</sup>	< 1.0
1	MW-2104	2/23/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	0.38 <sup>J</sup>	<b>0.60</b> <sup>J</sup>	< 1.0
1	MW-2104	3/21/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	0.59 <sup>J</sup>	< 0.32	<b>0.90</b> <sup>J</sup>	< 1.0
1	MW-2104	4/27/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	<b>0.80</b> <sup>J+</sup>	< 1.0
1	MW-2104	7/25/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	0.61 <sup>J</sup>	0.39 <sup>J</sup>	<b>0.87</b> <sup>J</sup>	< 1.0

**Table 3A**  
**Detected Volatile Organic Compounds in Groundwater**  
**Treatment Area 1**  
**Former Kenosha Engine Plant**

		Analyte:	1,1-Dichloro ethane	1,1-Dichloro ethene	1,2-Dichloro ethane	1,2,4-Trimethyl benzene	1,3,5-Trimethyl benzene	1,2-Dichloro benzene	1,3-Dichloro benzene	Benzene	Bromo dichloro methane	Chloro ethane	Chloroform	cis-1,2-Dichloro ethene
		ES	850	7	5	480	480	600	600	5	0.6	400	6	70
		PAL	85	0.7	0.5	96	96	60	120	0.5	0.06	80	0.6	7
		Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Treatment Area	Sample Location	Sample Date												
1	MW-2105	12/14/2020	< 0.27	< 0.24	< 0.28	< 0.84	< 0.87	< 0.71	< 0.63	<u>2</u>	< 0.36	< 1.3	< 1.3	<u>12.9</u>
1	MW-2105	4/8/2021	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	<u>1.9</u>	< 0.42	< 1.4	< 1.2	3.9
1	MW-2105	2/23/2022	< 0.30	< 0.58	< 0.29	1.5	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	5.9
1	MW-2105	3/23/2022	0.95 <sup>J</sup>	< 0.58	< 0.29	0.72 <sup>J</sup>	< 0.36	< 0.33	< 0.35	0.36 <sup>J</sup>	< 0.42	< 1.4	< 1.2	<b>70.6</b>
1	MW-2105	4/26/2022	0.97 <sup>J</sup>	< 0.58	< 0.29	9.1	1.1	< 0.33	< 0.35	<u>1.3</u>	< 0.42	< 1.4	< 1.2	<u>21.9</u>
1	MW-2105	7/26/2022	< 0.30	< 0.58	< 0.29	1.6	< 0.36	< 0.33	< 0.35	0.33 <sup>J</sup>	< 0.42	< 1.4	< 1.2	<u>44.8</u>
1	PZ-2105	12/14/2020	< 0.27	< 0.24	< 0.28	< 0.84	< 0.87	< 0.71	< 0.63	< 0.25	< 0.36	< 1.3	< 1.3	2.8
1	PZ-2105	4/8/2021	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	1.6
1	PZ-2105	2/22/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	1.2
1	PZ-2105	3/22/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	1.3
1	PZ-2105	4/26/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	1.4
1	PZ-2105	7/26/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	0.98 <sup>J</sup>
1	MW-2106	12/14/2020	< 5.5	< 4.9	< 5.6	< 16.8	< 17.5	< 14.1	< 12.6	< 4.9	< 7.3	27.6 <sup>J</sup>	< 25.5	<b>237</b>
1	MW-2106	4/8/2021	< 5.9	< 11.6	< 5.8	< 9.0	< 7.1	< 6.5	< 7.0	< 5.9	< 8.3	< 27.6	< 23.7	<u>68.5</u>
1	MW-2106	2/21/2022	< 5.9	< 11.6	< 5.8	< 9.0	< 7.1	< 6.5	< 7.0	< 5.9	< 8.3	32.0 <sup>J</sup>	< 23.7	<b>713</b>
1	MW-2106	3/21/2022	< 5.9	< 11.6	< 5.8	< 9.0	< 7.1	< 6.5	< 7.0	< 5.9	< 8.3	53.3 <sup>J</sup>	< 23.7	<b>350</b>
1	MW-2106	4/27/2022	< 5.9	< 11.6	< 5.8	< 9.0	< 7.1	< 6.5	< 7.0	< 5.9	< 8.3	< 27.6	< 23.7	<b>224</b>
1	MW-2106	7/26/2022	< 5.9	< 11.6	< 5.8	< 9.0	< 7.1	< 6.5	< 7.0	< 5.9	< 8.3	< 27.6	< 23.7	<b>128</b>
1	MW-2107	12/9/2020	< 0.68	< 0.61	< 0.70	< 2.1	< 2.2	< 1.8	< 1.6	< 0.62	< 0.91	8.6 <sup>J</sup>	< 3.2	<u>8.8</u>
1	MW-2107	4/7/2021	< 0.74	< 1.5	< 0.73	< 1.1	< 0.89	< 0.81	< 0.88	< 0.74	< 1.0	7.8 <sup>J</sup>	< 3.0	3.5
1	MW-2107	2/21/2022	< 0.74	< 1.5	< 0.73	< 1.1	< 0.89	< 0.81	< 0.88	<u>1.9<sup>J</sup></u>	< 1.0	12.2 <sup>J</sup>	< 3.0	<u>14.2</u>
1	MW-2107	3/21/2022	0.50 <sup>J</sup>	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	<u>1.6</u>	< 0.42	11.5	< 1.2	<u>10.1</u>
1	MW-2107	4/26/2022	3.4	< 0.58	< 0.29	< 0.45	< 0.36	0.50 <sup>J</sup>	0.39 <sup>J</sup>	<u>2.9</u>	< 0.42	20.7	< 1.2	1.6
1	MW-2107	7/25/2022	0.82 <sup>J</sup>	< 0.58	0.31 <sup>J</sup>	< 0.45	< 0.36	< 0.33	< 0.35	<u>2</u>	< 0.42	9.9	< 1.2	<u>12.3</u>

**Table 3A**  
**Detected Volatile Organic Compounds in Groundwater**  
**Treatment Area 1**  
**Former Kenosha Engine Plant**

		Analyte:	Ethylbenzene	Methylene Chloride	n-Butyl benzene	n-Propyl benzene	sec-Butyl benzene	Tetra chloro ethene	Toluene	trans-1,2-Dichloro ethene	Trichloro ethene	Vinyl chloride	Xylene (Total)
		ES	700	5	NE	NE	NE	5	800	100	5	0.2	2000
		PAL	140	0.5	NE	NE	NE	0.5	160	20	0.5	0.02	400
		Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Treatment Area	Sample Location	Sample Date											
1	MW-2105	12/14/2020	< 0.32	< 0.58	< 0.71	< 0.81	< 0.85	< 0.33	< 0.27	< 0.46	<u>3.6</u>	<b>2.5</b>	4.9
1	MW-2105	4/8/2021	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	<u>1.4</u>	<b>2.4</b>	4.8
1	MW-2105	2/23/2022	< 0.33	< 0.32	< 0.86	0.47 <sup>J</sup>	< 0.42	< 0.41	< 0.29	< 0.53	<u>0.59<sup>J</sup></u>	<b>2.6</b>	< 1.0
1	MW-2105	3/23/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	1.3	<b>7.8</b>	< 0.17	< 1.0
1	MW-2105	4/26/2022	< 0.33	< 0.32	1	1.2	0.98 <sup>J</sup>	< 0.41	< 0.29	0.54 <sup>J</sup>	<u>3</u>	<b>5</b>	2.6 <sup>J</sup>
1	MW-2105	7/26/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	<b>9.5</b>	<b>2.4</b>	< 1.0
1	PZ-2105	12/14/2020	< 0.32	< 0.58	< 0.71	< 0.81	< 0.85	< 0.33	< 0.27	< 0.46	<u>2.5</u>	< 0.17	< 1.5
1	PZ-2105	4/8/2021	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	<u>1.2</u>	< 0.17	< 1.0
1	PZ-2105	2/22/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	<u>0.86<sup>J</sup></u>	< 0.17	< 1.0
1	PZ-2105	3/22/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	<u>0.78<sup>J</sup></u>	< 0.17	< 1.0
1	PZ-2105	4/26/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	<u>0.82<sup>J</sup></u>	< 0.17	< 1.0
1	PZ-2105	7/26/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	<u>0.72<sup>J</sup></u>	< 0.17	< 1.0
1	MW-2106	12/14/2020	< 6.4	< 11.6	< 14.2	< 16.2	< 17.0	< 6.5	< 5.4	< 9.3	< 5.1	<b>1630</b>	< 30.0
1	MW-2106	4/8/2021	< 6.5	< 6.4	< 17.1	< 6.9	< 8.5	< 8.2	< 5.8	< 10.6	< 6.4	<b>1250</b>	< 21.0
1	MW-2106	2/21/2022	< 6.5	< 6.4	< 17.1	< 6.9	< 8.5	< 8.2	< 5.8	< 10.6	< 6.4	<b>4480</b>	< 21.0
1	MW-2106	3/21/2022	< 6.5	< 6.4	< 17.1	< 6.9	< 8.5	< 8.2	< 5.8	< 10.6	< 6.4	<b>3940</b>	< 21.0
1	MW-2106	4/27/2022	< 6.5	< 6.4	< 17.1	< 6.9	< 8.5	< 8.2	< 5.8	< 10.6	< 6.4	<b>3100</b>	< 21.0
1	MW-2106	7/26/2022	< 6.5	< 6.4	< 17.1	< 6.9	< 8.5	< 8.2	< 5.8	< 10.6	< 6.4	<b>2360</b>	< 21.0
1	MW-2107	12/9/2020	< 0.80	< 1.5	< 1.8	< 2.0	< 2.1	< 0.82	< 0.67	< 1.2	< 0.64	<b>293</b>	< 3.8
1	MW-2107	4/7/2021	< 0.81	< 0.80	< 2.1	< 0.86	< 1.1	< 1.0	< 0.72	< 1.3	< 0.80	<b>533</b>	< 2.6
1	MW-2107	2/21/2022	< 0.81	< 0.80	< 2.1	< 0.86	< 1.1	< 1.0	< 0.72	< 1.3	< 0.80	<b>271</b>	< 2.6
1	MW-2107	3/21/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	0.47 <sup>J</sup>	< 0.53	< 0.32	<b>253</b>	< 1.0
1	MW-2107	4/26/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	0.39 <sup>J</sup>	< 0.53	< 0.32	<b>2.8</b>	< 1.0
1	MW-2107	7/25/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	0.34 <sup>J</sup>	< 0.53	< 0.32	<b>286</b>	< 1.0

**Table 3A  
Detected Volatile Organic Compounds in Groundwater  
Treatment Area 1  
Former Kenosha Engine Plant**

		Analyte:	1,1-Dichloro ethane	1,1-Dichloro ethene	1,2-Dichloro ethane	1,2,4-Trimethyl benzene	1,3,5-Trimethyl benzene	1,2-Dichloro benzene	1,3-Dichloro benzene	Benzene	Bromo dichloro methane	Chloro ethane	Chloroform	cis-1,2-Dichloro ethene
		ES	850	7	5	480	480	600	600	5	0.6	400	6	70
		PAL	85	0.7	0.5	96	96	60	120	0.5	0.06	80	0.6	7
		Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Treatment Area	Sample Location	Sample Date												
1	PZ-2107	12/9/2020	< 2.7	< 2.4	< 2.8	< 8.4	< 8.7	< 7.1	< 6.3	< 2.5	< 3.6	< 13.4	< 12.7	<b>3680</b>
1	PZ-2107	4/8/2021	< 3.0	< 5.8	< 2.9	< 4.5	< 3.6	< 3.3	< 3.5	< 3.0	< 4.2	< 13.8	< 11.8	<b>1150</b>
1	PZ-2107	2/22/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	<b>3.9</b>	< 1.4	<u>5.8</u>	<b>78.4</b>
1	PZ-2107	3/22/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	<b>838</b>
1	PZ-2107	4/26/2022	< 3.0	< 5.8	< 2.9	< 4.5	< 3.6	< 3.3	< 3.5	< 3.0	< 4.2	< 13.8	< 11.8	<b>692</b>
1	PZ-2107	7/25/2022	< 3.0	< 5.8	< 2.9	< 4.5	< 3.6	< 3.3	< 3.5	< 3.0	< 4.2	< 13.8	< 11.8	<b>636</b>
1	MW-2108	12/9/2020	< 0.27	< 0.24	< 0.28	< 0.84	< 0.87	< 0.71	< 0.63	0.27 <sup>J</sup>	< 0.36	< 1.3	< 1.3	< 0.27
1	MW-2108	4/7/2021	< 0.30	< 0.58	< 0.29	< 0.45	0.36 <sup>J</sup>	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	< 0.47
1	MW-2108	2/21/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	< 0.47
1	MW-2108	3/21/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	< 0.47
1	MW-2108	4/27/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	< 0.47
1	MW-2108	7/25/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	< 0.47
1	MW-2109	12/9/2020	< 0.27	< 0.24	< 0.28	< 0.84	< 0.87	< 0.71	< 0.63	< 0.25	< 0.36	< 1.3	< 1.3	<b>87.4</b>
1	MW-2109	4/7/2021	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	<b>172</b>
1	MW-2109	2/21/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	<b>96.8</b>
1	MW-2109	3/21/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	<b>105</b>
1	MW-2109	4/26/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	0.36 <sup>J</sup>	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	39.4
1	MW-2109	7/25/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	<b>99.6</b>
1	PZ-2109	12/9/2020	< 0.27	< 0.24	< 0.28	< 0.84	< 0.87	< 0.71	< 0.63	< 0.25	< 0.36	< 1.3	< 1.3	<u>11.3</u>
1	PZ-2109	4/7/2021	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	<u>8.7</u>
1	PZ-2109	2/21/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	4.8
1	PZ-2109	3/21/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	3.3
1	PZ-2109	4/26/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	1.4
1	PZ-2109	7/25/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	3.4

**Table 3A**  
**Detected Volatile Organic Compounds in Groundwater**  
**Treatment Area 1**  
**Former Kenosha Engine Plant**

		Analyte:	Ethylbenzene	Methylene Chloride	n-Butyl benzene	n-Propyl benzene	sec-Butyl benzene	Tetra chloro ethene	Toluene	trans-1,2-Dichloro ethene	Trichloro ethene	Vinyl chloride	Xylene (Total)
		ES	700	5	NE	NE	NE	5	800	100	5	0.2	2000
		PAL	140	0.5	NE	NE	NE	0.5	160	20	0.5	0.02	400
		Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Treatment Area	Sample Location	Sample Date											
1	PZ-2107	12/9/2020	< 3.2	< 5.8	< 7.1	< 8.1	< 8.5	< 3.3	< 2.7	<u>51.9</u>	< 2.6	<b>1340</b>	< 15.0
1	PZ-2107	4/8/2021	< 3.3	< 3.2	< 8.6	< 3.5	< 4.2	< 4.1	< 2.9	<u>21.5</u>	< 3.2	<b>177</b>	< 10.5
1	PZ-2107	2/22/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	1.6	< 0.32	<b>3.5</b>	< 1.0
1	PZ-2107	3/22/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	14.2	< 0.32	<b>903</b>	< 1.0
1	PZ-2107	4/26/2022	< 3.3	< 3.2	< 8.6	< 3.5	< 4.2	< 4.1	< 2.9	14.1	< 3.2	<b>83.3</b>	< 10.5
1	PZ-2107	7/25/2022	< 3.3	< 3.2	< 8.6	< 3.5	< 4.2	< 4.1	< 2.9	11.6	< 3.2	<b>376</b>	< 10.5
1	MW-2108	12/9/2020	2.1 <sup>J+</sup>	< 0.58	< 0.71	< 0.81	< 0.85	< 0.33	0.74 <sup>J</sup>	< 0.46	< 0.26	2.3 <sup>J+</sup>	3.4
1	MW-2108	4/7/2021	1.3 <sup>J+</sup>	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	0.57 <sup>J</sup>	< 0.53	< 0.32	2.4 <sup>J+</sup>	2.0 <sup>J</sup>
1	MW-2108	2/21/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	<b>1.8</b>	< 1.0
1	MW-2108	3/21/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	<b>2</b>	< 1.0
1	MW-2108	4/27/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	<b>3.1</b>	< 1.0
1	MW-2108	7/25/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	<b>2</b>	< 1.0
1	MW-2109	12/9/2020	< 0.32	< 0.58	< 0.71	< 0.81	< 0.85	< 0.33	< 0.27	1.3 <sup>J</sup>	< 0.26	<b>27.7</b>	< 1.5
1	MW-2109	4/7/2021	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	1.2	< 0.32	<b>51.6</b>	< 1.0
1	MW-2109	2/21/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	1.1	< 0.32	<b>81.1</b>	< 1.0
1	MW-2109	3/21/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	1.1	< 0.32	<b>77.3</b>	< 1.0
1	MW-2109	4/26/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	0.84 <sup>J</sup>	< 0.32	<b>18.8</b>	< 1.0
1	MW-2109	7/25/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	2.2	< 0.32	<b>70.4</b>	< 1.0
1	PZ-2109	12/9/2020	< 0.32	< 0.58	< 0.71	< 0.81	< 0.85	< 0.33	< 0.27	< 0.46	< 0.26	<b>9.3</b>	< 1.5
1	PZ-2109	4/7/2021	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	4.4 <sup>J+</sup>	< 1.0
1	PZ-2109	2/21/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	<b>11.2</b>	< 1.0
1	PZ-2109	3/21/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	<b>10</b>	< 1.0
1	PZ-2109	4/26/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	<b>7.7</b>	< 1.0
1	PZ-2109	7/25/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	<b>12.8</b>	< 1.0

**Table 3A**  
**Detected Volatile Organic Compounds in Groundwater**  
**Treatment Area 1**  
**Former Kenosha Engine Plant**

		Analyte:	1,1-Dichloro ethane	1,1-Dichloro ethene	1,2-Dichloro ethane	1,2,4-Trimethyl benzene	1,3,5-Trimethyl benzene	1,2-Dichloro benzene	1,3-Dichloro benzene	Benzene	Bromo dichloro methane	Chloro ethane	Chloroform	cis-1,2-Dichloro ethene	
		ES	850	7	5	480	480	600	600	5	0.6	400	6	70	
		PAL	85	0.7	0.5	96	96	60	120	0.5	0.06	80	0.6	7	
		Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	
Treatment Area	Sample Location	Sample Date													
1	MW-2110	12/15/2020	< 0.27	< 0.24	< 0.28	< 0.84	< 0.87	< 0.71	< 0.63	< 0.25	< 0.36	< 1.3	< 1.3	<u>8.4</u>	
1	MW-2110	4/7/2021	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	<u>0.76</u> <sup>J</sup>	< 0.42	< 1.4	< 1.2	2.7	
1	MW-2110	2/21/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	<u>7.6</u>	
1	MW-2110	3/21/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	<u>8.5</u>	
1	MW-2110	4/27/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	<u>0.36</u> <sup>J</sup>	< 0.42	< 1.4	< 1.2	2.9	
1	MW-2110	7/25/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	5.7	
1	PZ-2110	12/8/2020	< 0.27	< 0.24	< 0.28	< 0.84	< 0.87	< 0.71	< 0.63	< 0.25	< 0.36	< 1.3	< 1.3	< 0.27	
1	PZ-2110	4/7/2021	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	< 0.47	
1	PZ-2110	2/21/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	< 0.47	
1	PZ-2110	3/21/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	< 0.47	
1	PZ-2110	4/27/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	< 0.47	
1	PZ-2110	7/25/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	< 0.47	
1	MW-2111	12/11/2020	< 34.1	< 30.6	< 35.0	< 105	< 109	< 88.2	< 78.5	< 30.8	< 45.5	< 168	< 159	<b>742</b>	
1	MW-2111	4/8/2021	< 37.0	< 72.8	< 36.4	< 56.1	< 44.7	< 40.7	< 43.9	< 36.9	< 51.9	< 172	< 148	<b>579</b>	
1	MW-2111	2/24/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	<u>0.78</u> <sup>J</sup>	< 0.42	< 1.4	< 1.2	<b>191</b>	
1	MW-2111	3/23/2022	< 1.2	< 2.3	< 1.2	< 1.8	< 1.4	< 1.3	< 1.4	<u>1.4</u> <sup>J</sup>	< 1.7	< 5.5	< 4.7	<b>362</b>	
1	MW-2111	4/26/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	<u>4.1</u>	< 0.42	< 1.4	< 1.2	<u>31.3</u>	
1	MW-2111	7/26/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	<u>1.4</u>	< 0.42	< 1.4	< 1.2	<b>801</b>	
1	PZ-2111	12/11/2020	< 2.7	<u>3.7</u> <sup>J</sup>	< 2.8	< 8.4	< 8.7	< 7.1	< 6.3	< 2.5	< 3.6	< 13.4	< 12.7	<b>2810</b>	
1	PZ-2111	4/8/2021	< 3.0	< 5.8	< 2.9	< 4.5	< 3.6	< 3.3	< 3.5	< 3.0	< 4.2	< 13.8	< 11.8	<b>1040</b>	
1	PZ-2111	2/23/2022	< 0.59	< 1.2	< 0.58	< 0.90	< 0.71	< 0.65	< 0.70	< 0.59	< 0.83	< 2.8	< 2.4	<b>140</b>	
1	PZ-2111	3/23/2022	< 0.59	< 1.2	< 0.58	< 0.90	< 0.71	< 0.65	< 0.70	< 0.59	< 0.83	< 2.8	< 2.4	<b>125</b>	
1	PZ-2111	4/26/2022	< 0.59	< 1.2	< 0.58	< 0.90	< 0.71	< 0.65	< 0.70	< 0.59	< 0.83	< 2.8	< 2.4	<b>99.1</b>	
1	PZ-2111	7/26/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	<u>51.1</u>	

**Table 3A**  
**Detected Volatile Organic Compounds in Groundwater**  
**Treatment Area 1**  
**Former Kenosha Engine Plant**

		Analyte:	Ethylbenzene	Methylene Chloride	n-Butyl benzene	n-Propyl benzene	sec-Butyl benzene	Tetra chloro ethene	Toluene	trans-1,2-Dichloro ethene	Trichloro ethene	Vinyl chloride	Xylene (Total)
		ES	700	5	NE	NE	NE	5	800	100	5	0.2	2000
		PAL	140	0.5	NE	NE	NE	0.5	160	20	0.5	0.02	400
		Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Treatment Area	Sample Location	Sample Date											
1	MW-2110	12/15/2020	< 0.32	< 0.58	< 0.71	< 0.81	< 0.85	< 0.33	< 0.27	< 0.46	< 0.26	<b>5.3</b>	< 1.5
1	MW-2110	4/7/2021	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	< 2.1 <sup>U</sup>	< 1.0
1	MW-2110	2/21/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	<b>7.8</b>	< 1.0
1	MW-2110	3/21/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	<b>8.7</b>	< 1.0
1	MW-2110	4/27/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	<b>5.3</b>	< 1.0
1	MW-2110	7/25/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	<b>6.6</b>	< 1.0
1	PZ-2110	12/8/2020	< 0.32	< 0.58	< 0.71	< 0.81	< 0.85	< 0.33	< 0.27	< 0.46	< 0.26	< 0.17	< 1.5
1	PZ-2110	4/7/2021	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	< 0.17	< 1.0
1	PZ-2110	2/21/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	< 0.17	< 1.0
1	PZ-2110	3/21/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	< 0.17	< 1.0
1	PZ-2110	4/27/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	< 0.17	< 1.0
1	PZ-2110	7/25/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	< 0.17	< 1.0
1	MW-2111	12/11/2020	< 39.8	< 72.6	< 88.5	< 101	< 106	< 40.8	< 33.7	<u>80.9<sup>J</sup></u>	<b>8210</b>	< 21.8	< 188
1	MW-2111	4/8/2021	< 40.6	< 39.9	< 107	< 43.2	< 53.0	< 51.1	< 36.0	< 66.0	<b>5340</b>	<b>34.8<sup>J</sup></b>	< 131
1	MW-2111	2/24/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	0.32 <sup>J</sup>	0.82 <sup>J</sup>	<b>25.1</b>	<b>5.5</b>	< 1.0
1	MW-2111	3/23/2022	< 1.3	< 1.3	< 3.4	< 1.4	< 1.7	< 1.6	< 1.2	< 2.1	<b>7.9</b>	<b>5.9</b>	< 4.2
1	MW-2111	4/26/2022	0.37 <sup>J</sup>	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	2.2	< 0.53	<b>20.5</b>	< 0.17	< 1.0
1	MW-2111	7/26/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	0.34 <sup>J</sup>	0.64 <sup>J</sup>	<u>1.3</u>	<b>13.9</b>	< 1.0
1	PZ-2111	12/11/2020	< 3.2	< 5.8	< 7.1	< 8.1	< 8.5	< 3.3	< 2.7	<b>248</b>	<b>1550</b>	<b>77.8</b>	< 15.0
1	PZ-2111	4/8/2021	< 3.3	< 3.2	< 8.6	< 3.5	< 4.2	< 4.1	< 2.9	<u>67.2</u>	<b>215</b>	<b>22.1</b>	< 10.5
1	PZ-2111	2/23/2022	< 0.65	< 0.64	< 1.7	< 0.69	< 0.85	< 0.82	< 0.58	2.9	<u>1.6<sup>J</sup></u>	<b>43.1</b>	< 2.1
1	PZ-2111	3/23/2022	< 0.65	< 0.64	< 1.7	< 0.69	< 0.85	< 0.82	< 0.58	< 1.1	< 0.64	<b>23.7</b>	< 2.1
1	PZ-2111	4/26/2022	< 0.65	< 0.64	< 1.7	< 0.69	< 0.85	< 0.82	< 0.58	< 1.1	< 0.64	<b>11.2</b>	< 2.1
1	PZ-2111	7/26/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	0.41 <sup>J</sup>	<b>3.9</b>	< 1.0



**Table 3A  
Detected Volatile Organic Compounds in Groundwater  
Treatment Area 1  
Former Kenosha Engine Plant**

		Analyte:	1,1-Dichloro ethane	1,1-Dichloro ethene	1,2-Dichloro ethane	1,2,4-Trimethyl benzene	1,3,5-Trimethyl benzene	1,2-Dichloro benzene	1,3-Dichloro benzene	Benzene	Bromo dichloro methane	Chloro ethane	Chloroform	cis-1,2-Dichloro ethene
		ES	850	7	5	480	480	600	600	5	0.6	400	6	70
		PAL	85	0.7	0.5	96	96	60	120	0.5	0.06	80	0.6	7
		Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Treatment Area	Sample Location	Sample Date												
1	MW-2112	12/15/2020	< 2.7	< 2.4	< 2.8	< 8.4	< 8.7	< 7.1	< 6.3	< 2.5	< 3.6	< 13.4	< 12.7	<b>809</b>
1	MW-2112 DU	12/15/2020	< 2.7	< 2.4	< 2.8	< 8.4	< 8.7	< 7.1	< 6.3	< 2.5	< 3.6	< 13.4	< 12.7	<b>761</b>
1	MW-2112	4/8/2021	< 3.0	< 5.8	< 2.9	< 4.5	< 3.6	< 3.3	< 3.5	< 3.0	< 4.2	< 13.8	< 11.8	<b>641</b>
1	MW-2112	2/22/2022	< 3.0	< 5.8	< 2.9	< 4.5	< 3.6	< 3.3	< 3.5	< 3.0	< 4.2	< 13.8	< 11.8	<b>683</b>
1	MW-2112	3/21/2022	< 3.0	< 5.8	< 2.9	< 4.5	< 3.6	< 3.3	< 3.5	< 3.0	< 4.2	< 13.8	< 11.8	<b>682</b>
1	MW-2112	4/26/2022	< 1.2	< 2.3	< 1.2	< 1.8	< 1.4	< 1.3	< 1.4	< 1.2	< 1.7	< 5.5	< 4.7	<b>369</b>
1	MW-2112	7/25/2022	< 0.30	<u>1.1</u>	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	0.42 <sup>J</sup>	< 0.42	< 1.4	< 1.2	<b>739</b>
1	PZ-2112	12/15/2020	< 0.27	< 0.24	< 0.28	< 0.84	< 0.87	< 0.71	< 0.63	< 0.25	< 0.36	< 1.3	< 1.3	1
1	PZ-2112 DU	12/15/2020	< 0.27	< 0.24	< 0.28	< 0.84	< 0.87	< 0.71	< 0.63	< 0.25	< 0.36	< 1.3	< 1.3	0.84 <sup>J</sup>
1	PZ-2112	4/8/2021	< 0.30 <sup>UJ</sup>	< 0.58 <sup>UJ</sup>	< 0.29 <sup>UJ</sup>	< 0.45	< 0.36	< 0.33 <sup>UJ</sup>	< 0.35 <sup>UJ</sup>	< 0.30 <sup>UJ</sup>	< 0.42 <sup>UJ</sup>	< 1.4 <sup>UJ</sup>	< 1.2 <sup>UJ</sup>	< 0.47 <sup>UJ</sup>
1	PZ-2112	2/22/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	0.59 <sup>J</sup>
1	PZ-2112	3/21/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	0.58 <sup>J</sup>
1	PZ-2112	4/26/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	< 0.47
1	PZ-2112	7/25/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	< 0.47
1	MW-2113	12/14/2020	< 0.27	0.51 <sup>J</sup>	< 0.28	< 0.84	< 0.87	< 0.71	< 0.63	< 0.25	< 0.36	< 1.3	< 1.3	<b>321</b>
1	MW-2113	4/8/2021	< 3.0	< 5.8	< 2.9	< 4.5	< 3.6	< 3.3	< 3.5	< 3.0	< 4.2	< 13.8	< 11.8	<u>14</u>
1	MW-2113	2/23/2022	< 3.0	< 5.8	< 2.9	< 4.5	< 3.6	< 3.3	< 3.5	< 3.0	< 4.2	< 13.8	< 11.8	<b>716</b>
1	MW-2113	3/22/2022	< 3.0	< 5.8	< 2.9	< 4.5	< 3.6	< 3.3	< 3.5	< 3.0	< 4.2	< 13.8	< 11.8	<b>707</b>
1	MW-2113	4/26/2022	< 5.9	< 11.6	< 5.8	< 9.0	< 7.1	< 6.5	< 7.0	< 5.9	< 8.3	< 27.6	< 23.7	<b>108</b>
1	MW-2113	7/26/2022	< 3.0	< 5.8	< 2.9	< 4.5	< 3.6	< 3.3	< 3.5	< 3.0	< 4.2	< 13.8	< 11.8	<u>24.1</u>
1	PZ-2113	12/14/2020	< 27.3	< 24.5	< 28.0	< 84.1	< 87.3	< 70.5	< 62.8	< 24.6	< 36.4	< 134	< 127	<b>16000</b>
1	PZ-2113	4/9/2021	< 37.0	< 72.8	< 36.4	< 56.1	< 44.7	< 40.7	< 43.9	< 36.9	< 51.9	< 172	< 148	<b>11800</b>
1	PZ-2113	2/24/2022	< 5.9	< 11.6	< 5.8	< 9.0	< 7.1	< 6.5	< 7.0	< 5.9	< 8.3	< 27.6	< 23.7	<b>2740</b>
1	PZ-2113	3/23/2022	< 0.59	<u>2.5</u>	< 0.58	< 0.90	< 0.71	< 0.65	< 0.70	<u>0.90<sup>J</sup></u>	< 0.83	< 2.8	< 2.4	<b>2920</b>
1	PZ-2113	4/26/2022	< 11.8	< 23.3	< 11.7	< 17.9	< 14.3	< 13.0	< 14.0	< 11.8	< 16.6	< 55.2	< 47.3	<b>888</b>
1	PZ-2113	7/26/2022	< 1.5	< 2.9	< 1.5	< 2.2	< 1.8	< 1.6	< 1.8	< 1.5	< 2.1	< 6.9	< 5.9	<b>108</b>

**Table 3A  
Detected Volatile Organic Compounds in Groundwater  
Treatment Area 1  
Former Kenosha Engine Plant**

		Analyte:	Ethylbenzene	Methylene Chloride	n-Butyl benzene	n-Propyl benzene	sec-Butyl benzene	Tetra chloro ethene	Toluene	trans-1,2-Dichloro ethene	Trichloro ethene	Vinyl chloride	Xylene (Total)
		ES	700	5	NE	NE	NE	5	800	100	5	0.2	2000
		PAL	140	0.5	NE	NE	NE	0.5	160	20	0.5	0.02	400
		Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Treatment Area	Sample Location	Sample Date											
1	MW-2112	12/15/2020	< 3.2	< 5.8	< 7.1	< 8.1	< 8.5	< 3.3	< 2.7	8.5 <sup>J</sup>	< 2.6	<b>305</b>	< 15.0
1	MW-2112 DU	12/15/2020	< 3.2	< 5.8	< 7.1	< 8.1	< 8.5	< 3.3	< 2.7	6.8 <sup>J</sup>	< 2.6	<b>302</b>	< 15.0
1	MW-2112	4/8/2021	< 3.3	< 3.2	< 8.6	< 3.5	< 4.2	< 4.1	< 2.9	13.4	< 3.2	<b>282</b>	< 10.5
1	MW-2112	2/22/2022	< 3.3	< 3.2	< 8.6	< 3.5	< 4.2	< 4.1	< 2.9	6.5 <sup>J</sup>	< 3.2	<b>407</b>	< 10.5
1	MW-2112	3/21/2022	< 3.3	< 3.2	< 8.6	< 3.5	< 4.2	< 4.1	< 2.9	5.5 <sup>J</sup>	< 3.2	<b>440</b>	< 10.5
1	MW-2112	4/26/2022	< 1.3	< 1.3	< 3.4	< 1.4	< 1.7	< 1.6	< 1.2	3.7 <sup>J</sup>	<u>1.4<sup>J</sup></u>	<b>301</b>	< 4.2
1	MW-2112	7/25/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	4.1	< 0.32	<b>412</b>	< 1.0
1	PZ-2112	12/15/2020	< 0.32	< 0.58	< 0.71	< 0.81	< 0.85	< 0.33	< 0.27	< 0.46	0.27 <sup>J</sup>	<b>4.6<sup>J</sup></b>	< 1.5
1	PZ-2112 DU	12/15/2020	< 0.32	< 0.58	< 0.71	< 0.81	< 0.85	< 0.33	< 0.27	< 0.46	0.26 <sup>J</sup>	<b>1.7<sup>J+</sup></b>	< 1.5
1	PZ-2112	4/8/2021	< 0.33 <sup>UJ</sup>	< 0.32 <sup>UJ</sup>	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29 <sup>UJ</sup>	< 0.53 <sup>UJ</sup>	0.46 <sup>J-</sup>	<b>1.1<sup>J-</sup></b>	< 1.0 <sup>UJ</sup>
1	PZ-2112	2/22/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	< 0.17	< 1.0
1	PZ-2112	3/21/2022	< 0.33	<u>0.54<sup>J</sup></u>	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	< 0.17	< 1.0
1	PZ-2112	4/26/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	< 0.17	< 1.0
1	PZ-2112	7/25/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	<b>0.45<sup>J</sup></b>	< 1.0
1	MW-2113	12/14/2020	< 0.32	< 0.58	< 0.71	< 0.81	< 0.85	< 0.33	< 0.27	<u>38.7</u>	<u>2.9</u>	<b>706</b>	< 1.5
1	MW-2113	4/8/2021	< 3.3	< 3.2	< 8.6	< 3.5	< 4.2	< 4.1	< 2.9	< 5.3	< 3.2	<b>781</b>	< 10.5
1	MW-2113	2/23/2022	< 3.3	< 3.2	< 8.6	< 3.5	< 4.2	< 4.1	< 2.9	<u>73</u>	< 3.2	<b>1660</b>	< 10.5
1	MW-2113	3/22/2022	< 3.3	< 3.2	< 8.6	< 3.5	< 4.2	< 4.1	< 2.9	<u>78.2</u>	< 3.2	<b>3550</b>	< 10.5
1	MW-2113	4/26/2022	< 6.5	< 6.4	< 17.1	< 6.9	< 8.5	< 8.2	< 5.8	<u>25</u>	< 6.4	<b>2040</b>	< 21.0
1	MW-2113	7/26/2022	< 3.3	< 3.2	< 8.6	< 3.5	< 4.2	< 4.1	< 2.9	10.7	< 3.2	<b>1300</b>	< 10.5
1	PZ-2113	12/14/2020	< 31.9	< 58.1	< 70.8	< 81.1	< 84.9	< 32.6	< 26.9	<b>1760</b>	<b>5060</b>	<b>286</b>	< 150
1	PZ-2113	4/9/2021	< 40.6	< 39.9	< 107	< 43.2	< 53.0	< 51.1	< 36.0	<b>1270</b>	<b>4240</b>	<b>126</b>	< 131
1	PZ-2113	2/24/2022	< 6.5	< 6.4	< 17.1	< 6.9	< 8.5	< 8.2	< 5.8	<u>46.5</u>	<b>6.9<sup>J</sup></b>	<b>359</b>	< 21.0
1	PZ-2113	3/23/2022	< 0.65	< 0.64	< 1.7	< 0.69	< 0.85	< 0.82	< 0.58	<u>38.9</u>	<u>1.3<sup>J</sup></u>	<b>888</b>	< 2.1
1	PZ-2113	4/26/2022	< 13.0	< 12.8	< 34.3	< 13.8	< 17.0	< 16.3	< 11.5	<u>27.7<sup>J</sup></u>	< 12.8	<b>2090</b>	< 41.9
1	PZ-2113	7/26/2022	< 1.6	< 1.6	< 4.3	< 1.7	< 2.1	< 2.0	< 1.4	14.7	<u>1.8<sup>J</sup></u>	<b>835</b>	< 5.2

**Table 3A  
Detected Volatile Organic Compounds in Groundwater  
Treatment Area 1  
Former Kenosha Engine Plant**

		Analyte:	1,1-Dichloro ethane	1,1-Dichloro ethene	1,2-Dichloro ethane	1,2,4-Trimethyl benzene	1,3,5-Trimethyl benzene	1,2-Dichloro benzene	1,3-Dichloro benzene	Benzene	Bromo dichloro methane	Chloro ethane	Chloroform	cis-1,2-Dichloro ethene	
		ES	850	7	5	480	480	600	600	5	0.6	400	6	70	
		PAL	85	0.7	0.5	96	96	60	120	0.5	0.06	80	0.6	7	
		Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	
Treatment Area	Sample Location	Sample Date													
1	MW-2114	12/14/2020	< 0.27	< 0.24	< 0.28	< 0.84	< 0.87	< 0.71	< 0.63	< 0.25	< 0.36	< 1.3	< 1.3	<u>7.6</u>	
1	MW-2114	4/7/2021	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	1.5 <sup>J</sup>	< 1.2	<u>9.5</u>	
1	MW-2114	2/21/2022	0.40 <sup>J</sup>	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	4.5	
1	MW-2114	3/21/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	3.1	
1	MW-2114	4/26/2022	0.53 <sup>J</sup>	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	4.3	
1	MW-2114	7/25/2022	0.30 <sup>J</sup>	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	5.4	
1	PZ-2114	12/14/2020	< 0.27	< 0.24	< 0.28	< 0.84	< 0.87	< 0.71	< 0.63	< 0.25	< 0.36	< 1.3	< 1.3	< 0.27	
1	PZ-2114	4/7/2021	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	< 0.47	
1	PZ-2114	2/21/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	<u>0.49<sup>J</sup></u>	< 1.4	<u>3.6<sup>J</sup></u>	< 0.47	
1	PZ-2114	3/21/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	< 0.47	
1	PZ-2114	4/26/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	0.35 <sup>J</sup>	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	< 0.47	
1	PZ-2114	7/25/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	< 0.47	
1	MW-61	6/15/2017	< 6	< 10.3	< 4.2	< 12.5	< 12.5	< 12.5	< 12.5	<u>16<sup>J</sup></u>	< 12.5	< 9.4	< 62.5	<b>1420</b>	
1	MW-61 DUP	6/15/2017	< 6	< 10.3	< 4.2	< 12.5	< 12.5	< 12.5	< 12.5	<b>19.1<sup>J</sup></b>	< 12.5	< 9.4	< 62.5	<b>1280</b>	
1	MW-61	9/13/2017	< 4.8	< 8.2	< 3.4	< 10	< 10	< 10	< 10	<b>18.8<sup>J</sup></b>	< 10	< 7.5	< 50	<b>2160</b>	
1	MW-61	3/21/2018	< 6	< 10.3	< 4.2	< 12.5	< 12.5	< 12.5	< 12.5	<b>16.6<sup>J</sup></b>	< 12.5	< 9.4	< 62.5	<b>2540</b>	
1	MW-61 DUP	3/21/2018	< 6	< 10.3	< 4.2	< 12.5	< 12.5	< 12.5	< 12.5	<b>16.3<sup>J</sup></b>	< 12.5	< 9.4	< 62.5	<b>2560</b>	
1	MW-61	12/11/2020	< 2.7	<u>5.3<sup>J</sup></u>	< 2.8	< 8.4	< 8.7	< 7.1	< 6.3	<b>12.4</b>	< 3.6	< 13.4	< 12.7	<b>1850</b>	
1	MW-61	4/8/2021	< 3.0	<u>6.0<sup>J</sup></u>	< 2.9	< 4.5	< 3.6	< 3.3	< 3.5	<b>11</b>	< 4.2	< 13.8	< 11.8	<b>3080</b>	
1	MW-61	2/23/2022	< 0.74	< 1.5	< 0.73	< 1.1	< 0.89	< 0.81	< 0.88	< 0.74	< 1.0	< 3.4	< 3.0	<b>259</b>	
1	MW-61	3/22/2022	< 3.0	<b>13.1</b>	< 2.9	< 4.5	< 3.6	< 3.3	< 3.5	<b>19.2</b>	< 4.2	< 13.8	< 11.8	<b>8570</b>	
1	MW-61	4/27/2022	< 3.0	< 5.8	< 2.9	< 4.5	< 3.6	< 3.3	< 3.5	< 3.0	< 4.2	< 13.8	< 11.8	<u>58.8<sup>J</sup></u>	
1	MW-61 DUP	4/27/2022	< 0.30	<u>3.2</u>	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	<b>154<sup>J</sup></b>	
1	MW-61	7/25/2022	< 3.0	<b>8.0<sup>J</sup></b>	< 2.9	< 4.5	< 3.6	< 3.3	< 3.5	<b>13.1</b>	< 4.2	< 13.8	< 11.8	<b>4720</b>	
1	MW-61 DUP	7/25/2022	< 3.0	<b>9.8<sup>J</sup></b>	< 2.9	< 4.5	< 3.6	< 3.3	< 3.5	<b>13.2</b>	< 4.2	< 13.8	< 11.8	<b>4670</b>	

**Table 3A  
Detected Volatile Organic Compounds in Groundwater  
Treatment Area 1  
Former Kenosha Engine Plant**

		Analyte:	Ethylbenzene	Methylene Chloride	n-Butyl benzene	n-Propyl benzene	sec-Butyl benzene	Tetra chloro ethene	Toluene	trans-1,2-Dichloro ethene	Trichloro ethene	Vinyl chloride	Xylene (Total)
		ES	700	5	NE	NE	NE	5	800	100	5	0.2	2000
		PAL	140	0.5	NE	NE	NE	0.5	160	20	0.5	0.02	400
		Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Treatment Area	Sample Location	Sample Date											
1	MW-2114	12/14/2020	< 0.32	< 0.58	< 0.71	< 0.81	< 0.85	< 0.33	< 0.27	0.51 <sup>J</sup>	< 0.26	<b>4.7</b>	< 1.5
1	MW-2114	4/7/2021	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	0.66 <sup>J</sup>	< 0.32	<b>7.3<sup>J+</sup></b>	< 1.0
1	MW-2114	2/21/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	<b>4.2</b>	< 1.0
1	MW-2114	3/21/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	<b>3.5</b>	< 1.0
1	MW-2114	4/26/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	<b>7</b>	< 1.0
1	MW-2114	7/25/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	<b>3.4</b>	< 1.0
1	PZ-2114	12/14/2020	< 0.32	< 0.58	< 0.71	< 0.81	< 0.85	< 0.33	< 0.27	< 0.46	< 0.26	< 0.25 <sup>U</sup>	< 1.5
1	PZ-2114	4/7/2021	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	< 0.17	< 1.0
1	PZ-2114	2/21/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	< 0.17	< 1.0
1	PZ-2114	3/21/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	< 0.17	< 1.0
1	PZ-2114	4/26/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	< 0.17	< 1.0
1	PZ-2114	7/25/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	< 0.53	< 0.32	< 0.17	< 1.0
1	MW-61	6/15/2017	< 12.5	< 5.8	< 12.5	< 12.5	< 54.7	< 12.5	< 12.5	<u>42.6</u>	<b>61.4</b>	<b>760</b>	< 37.5
1	MW-61 DUP	6/15/2017	< 12.5	< 5.8	< 12.5	< 12.5	< 54.7	< 12.5	< 12.5	<u>44.7</u>	<b>68.6</b>	<b>752</b>	< 37.5
1	MW-61	9/13/2017	< 10	< 4.7	< 10	< 10	< 43.7	< 10	< 10	<b>103</b>	<b>111</b>	<b>835</b>	< 30
1	MW-61	3/21/2018	< 12.5	< 5.8	< 12.5	< 12.5	< 54.7	< 12.5	< 12.5	< 6.4	<b>104</b>	<b>3280</b>	< 37.5
1	MW-61 DUP	3/21/2018	< 12.5	< 5.8	< 12.5	< 12.5	< 54.7	< 12.5	< 12.5	< 6.4	<b>116</b>	<b>3140</b>	< 37.5
1	MW-61	12/11/2020	< 3.2	< 5.8	< 7.1	< 8.1	< 8.5	< 3.3	< 2.7	<u>37.2</u>	<b>124</b>	<b>1150</b>	< 15.0
1	MW-61	4/8/2021	< 3.3	< 3.2	< 8.6	< 3.5	< 4.2	< 4.1	< 2.9	<u>73.7</u>	<b>176</b>	<b>1170</b>	< 10.5
1	MW-61	2/23/2022	< 0.81	< 0.80	< 2.1	< 0.86	< 1.1	< 1.0	< 0.72	2.8	<b>13.7</b>	<b>53.1</b>	< 2.6
1	MW-61	3/22/2022	< 3.3	< 3.2	< 8.6	< 3.5	< 4.2	< 4.1	< 2.9	<u>22.8</u>	<b>18</b>	<b>2710</b>	< 10.5
1	MW-61	4/27/2022	< 3.3	< 3.2	< 8.6	< 3.5	< 4.2	< 4.1	< 2.9	< 5.3	< 3.2 <sup>UJ</sup>	<b>543</b>	< 10.5
1	MW-61 DUP	4/27/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	2.1	<b>40.5<sup>J</sup></b>	<b>707</b>	< 1.0
1	MW-61	7/25/2022	< 3.3	< 3.2	< 8.6	< 3.5	< 4.2	< 4.1	< 2.9	<u>37.2</u>	<b>168</b>	<b>3020</b>	< 10.5
1	MW-61 DUP	7/25/2022	< 3.3	< 3.2	< 8.6	< 3.5	< 4.2	< 4.1	< 2.9	<u>46.2</u>	<b>167</b>	<b>3030</b>	< 10.5

**Table 3A  
Detected Volatile Organic Compounds in Groundwater  
Treatment Area 1  
Former Kenosha Engine Plant**

		Analyte:	1,1-Dichloro ethane	1,1-Dichloro ethene	1,2-Dichloro ethane	1,2,4-Trimethyl benzene	1,3,5-Trimethyl benzene	1,2-Dichloro benzene	1,3-Dichloro benzene	Benzene	Bromo dichloro methane	Chloro ethane	Chloroform	cis-1,2-Dichloro ethene	
		ES	850	7	5	480	480	600	600	5	0.6	400	6	70	
		PAL	85	0.7	0.5	96	96	60	120	0.5	0.06	80	0.6	7	
		Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	
Treatment Area	Sample Location	Sample Date													
1	PZ-61	6/15/2017	< 12.1	< 20.5	< 8.4	< 25	< 25	< 25	< 25	< 25	< 25	< 18.7	< 125	<b>5290</b>	
1	PZ-61	9/13/2017	< 12.1	< 20.5	< 8.4	< 25	< 25	< 25	< 25	< 25	< 25	< 18.7	< 125	<b>2880</b>	
1	PZ-61	3/21/2018	< 2.4	< 4.1	< 1.7	< 5	< 5	< 5	< 5	< 5	< 5	< 3.7	< 25	<b>1210</b>	
1	PZ-61	12/11/2020	< 0.27	< 0.24	< 0.28	< 0.84	< 0.87	< 0.71	< 0.63	< 0.25	< 0.36	< 1.3	< 1.3	0.61 <sup>J</sup>	
1	PZ-61	4/7/2021	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	2.3	
1	PZ-61	2/21/2022	< 0.30	<b><u>4.6</u></b>	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	<b><u>2.8</u></b>	< 0.42	< 1.4	< 1.2	<b>1230</b>	
1	PZ-61	3/21/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	0.30 <sup>J</sup>	< 0.42	< 1.4	< 1.2	2.2	
1	PZ-61	4/27/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	0.31 <sup>J</sup>	< 0.42	< 1.4	< 1.2	1.7	
1	PZ-61	7/25/2022	< 0.30	< 0.58	< 0.29	< 0.45	< 0.36	< 0.33	< 0.35	< 0.30	< 0.42	< 1.4	< 1.2	2.6	

Notes:

ug/L = micrograms per liter

= Not Analyzed

<sup>J</sup> = Estimated value (+/- indicated the direction of bias)

NE= Not Established

<sup>U</sup> = Qualified nondetect due to contamination

PAL - Preventive Action Limit, Wisconsin Administrative Code NR 140.10 Table 1, June 2021 exceedances are *underlined italics*.

ES - Enforcement Standard, Wisconsin Administrative Code NR 140.10 Table 1, June 2021 exceedances are **bold**.

**Table 3A  
Detected Volatile Organic Compounds in Groundwater  
Treatment Area 1  
Former Kenosha Engine Plant**

		Analyte:	Ethylbenzene	Methylene Chloride	n-Butyl benzene	n-Propyl benzene	sec-Butyl benzene	Tetra chloro ethene	Toluene	trans-1,2-Dichloro ethene	Trichloro ethene	Vinyl chloride	Xylene (Total)
		ES	700	5	NE	NE	NE	5	800	100	5	0.2	2000
		PAL	140	0.5	NE	NE	NE	0.5	160	20	0.5	0.02	400
		Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Treatment Area	Sample Location	Sample Date											
1	PZ-61	6/15/2017	< 25	< 11.6	< 25	< 25	< 109	< 25	32.5 <sup>J</sup>	<u>78</u>	<b>251</b>	<u>272</u>	< 75
1	PZ-61	9/13/2017	< 25	< 11.6	< 25	< 25	< 109	< 25	< 25	< 12.8	<b>37.9<sup>J</sup></b>	<u>203</u>	< 75
1	PZ-61	3/21/2018	< 5	< 2.3	< 5	< 5	< 21.9	< 5	< 5	< 2.6	<u>4.2<sup>J</sup></u>	<u>81.2</u>	< 15
1	PZ-61	12/11/2020	< 0.32	< 0.58	< 0.71	< 0.81	< 0.85	< 0.33	1.5	< 0.46	< 0.26	< 0.34 <sup>U</sup>	< 1.5
1	PZ-61	4/7/2021	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	1	< 0.53	<u>0.77<sup>J</sup></u>	< 0.27 <sup>U</sup>	< 1.0
1	PZ-61	2/21/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	< 0.29	7	<b>31.2</b>	<b>270</b>	< 1.0
1	PZ-61	3/21/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	1.4	< 0.53	< 0.32	< 0.17	< 1.0
1	PZ-61	4/27/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	1.5	< 0.53	< 0.32	< 0.17	< 1.0
1	PZ-61	7/25/2022	< 0.33	< 0.32	< 0.86	< 0.35	< 0.42	< 0.41	1.1	< 0.53	< 0.32	<b>0.66<sup>J</sup></b>	< 1.0

Notes:

ug/L = micrograms per liter

= Not Analyzed

<sup>J</sup> = Estimated value (+/- indicated the direction of bias)

NE= Not Established

<sup>U</sup> = Qualified nondetect due to contamination

PAL - Preventive Action Limit, Wisconsin Administrative Code NR 140.10 Table 1, June 2021 exceedances are underlined italics.

ES - Enforcement Standard, Wisconsin Administrative Code NR 140.10 Table 1, June 2021 exceedances are **bold**.

**Table 3B**  
**Select Metals and Geochemical Parameters in Groundwater**  
**Treatment Area 1**  
**Former Kenosha Engine Plant**

		Analyte	Barium	Chromium	Lead	Nickel	Iron	Iron	Manganese	Manganese
		ES	2	0.1	0.015	0.1	0.3	0.3	0.3	0.3
		PAL	0.4	0.01	0.0015	0.02	0.15	0.15	0.06	0.06
		Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		Diss/Total	D	D	D	D	D	T	D	T
Treatment Area	Sample Location	Sample Date								
1	MW-2101	12/9/2020	0.078	< 0.0010	< 0.00024	0.0011	<b>1.2</b>	<b>1.2</b>	<u>0.21</u>	<u>0.2</u>
1	MW-2101	4/8/2021	0.084	< 0.0010	< 0.00024	0.0051	< 0.058	<b>5.3</b>	<u>0.18</u>	<u>0.23</u>
1	MW-2101	2/22/2022	0.022	< 0.0010	< 0.00024	< 0.00028	<b>112</b>	<b>76.5</b>	<u>0.17</u>	<u>0.09</u>
1	MW-2101	3/21/2022	0.04	< 0.0010	< 0.00024	< 0.00028	<b>161</b>	<b>142</b>	<u>0.24</u>	<u>0.21</u>
1	MW-2101	4/27/2022	0.085	< 0.0010	< 0.00024	0.00095 <sup>J</sup>	<b>42.6</b>	<b>42.6</b>	<u>0.16</u>	<u>0.16</u>
1	MW-2101	7/26/2022	0.1	< 0.0010	< 0.00024	< 0.00028	<b>24.9</b>	<b>27</b>	<u>0.091</u>	<u>0.091</u>
1	PZ-2101	12/9/2020	0.069	< 0.0010	< 0.00024	0.0027	<b>1.5</b>	<b>1.5</b>	<u>0.16</u>	<u>0.15</u>
1	PZ-2101	4/9/2021	0.069	< 0.0010	< 0.00024	0.0024	<u>0.19<sup>J</sup></u>	<u>0.17<sup>J</sup></u>	<u>0.1</u>	<u>0.1</u>
1	PZ-2101	2/24/2022	<u>1.8</u>	< 0.010	< 0.0024	< 0.0028	<b>806</b>	<b>872</b>	<b>2.5</b>	<b>2.5</b>
1	PZ-2101	3/23/2022	<u>1.9</u>	< 0.010	< 0.0024	< 0.0028	<b>593</b>	<b>595</b>	<b>2.5</b>	<b>2.5</b>
1	PZ-2101	4/27/2022	<b>2</b>	< 0.010	< 0.0024	< 0.0028	<b>596</b>	<b>553</b>	<b>2.6</b>	<b>2.3</b>
1	PZ-2101	7/26/2022	<b>2.1</b>	< 0.0020	< 0.00047	< 0.00057	<b>636</b>	<b>640</b>	<b>2.5</b>	<b>2.5</b>
1	MW-2102	12/15/2020	0.066	< 0.0010	< 0.00024	0.0033	<b>3.2</b>	<b>3.4</b>	<b>0.3</b>	<b>0.32</b>
1	MW-2102	4/8/2021	0.055	< 0.0010	< 0.00024	0.0029	<b>2.7</b>	<b>4.1</b>	<b>0.32</b>	<b>0.3</b>
1	MW-2102	2/22/2022	0.03	< 0.0020	< 0.00047	< 0.00057	<b>470</b>	<b>448</b>	<b>2.1</b>	<b>2.3</b>
1	MW-2102	3/22/2022	0.035	< 0.0051	< 0.0012	0.0019 <sup>J</sup>	<b>306</b>	<b>287</b>	<b>2.4</b>	<b>2.5</b>
1	MW-2102	4/27/2022	0.021	< 0.0010	0.00031 <sup>J</sup>	0.012	<b>163</b>	<b>158</b>	<b>3.6</b>	<b>3.8</b>
1	MW-2102	7/25/2022	0.011	< 0.0010	< 0.00024	< 0.00028	<b>237</b>	<b>221</b>	<b>1.8</b>	<b>1.9</b>
1	MW-2103	12/14/2020	0.066	< 0.0010	< 0.00062 <sup>L</sup>	0.0025	<b>0.69</b>	<b>0.7</b>	<u>0.16</u>	<u>0.16</u>
1	MW-2103	4/23/2021	0.071	< 0.0010	< 0.00024	0.0011 <sup>J</sup>	<b>1.1</b>	<b>1.1</b>	<u>0.16</u>	<u>0.16</u>
1	MW-2103	2/23/2022	0.038	< 0.0010	< 0.00024	0.012	<b>46.7</b>	<b>36.6</b>	<b>1.1</b>	<b>0.54</b>
1	MW-2103	3/22/2022	0.31	< 0.0010	< 0.00024	0.0014	<b>32.8</b>	<b>29.6</b>	<b>0.47</b>	<b>0.43</b>
1	MW-2103	4/27/2022	0.27	< 0.0010	< 0.00024	0.00052 <sup>J</sup>	<b>13.5</b>	<b>11.4</b>	<b>0.92</b>	<b>0.98</b>
1	MW-2103	7/26/2022	0.28	< 0.0010	< 0.00024	0.00081 <sup>J</sup>	<b>15.1<sup>J</sup></b>	<b>8.1<sup>J</sup></b>	<b>0.76<sup>J</sup></b>	<b>0.60<sup>J</sup></b>

**Table 3B**  
**Select Metals and Geochemical Parameters in Groundwater**  
**Treatment Area 1**  
**Former Kenosha Engine Plant**

		Analyte	Barium	Chromium	Lead	Nickel	Iron	Iron	Manganese	Manganese
		ES	2	0.1	0.015	0.1	0.3	0.3	0.3	0.3
		PAL	0.4	0.01	0.0015	0.02	0.15	0.15	0.06	0.06
		Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		Diss/Total	D	D	D	D	D	T	D	T
Treatment Area	Sample Location	Sample Date								
1	MW-2103 DUP	12/14/2020	0.064	< 0.0010	< 0.00037 <sup>U</sup>	0.0025	<b>0.67</b>	<b>0.66</b>	<u>0.15</u>	<u>0.15</u>
1	MW-2103 DUP	4/8/2021	0.07	< 0.0010	< 0.00024	0.0051 <sup>J</sup>	<b>1.1</b>	<b>1.3</b>	<u>0.16</u>	<u>0.18</u>
1	MW-2103 DUP	2/23/2022	0.04	< 0.0010	< 0.00024	0.0017	<b>36.2</b>	<b>36.7</b>	<b>0.53</b>	<b>0.55</b>
1	MW-2103 DUP	3/22/2022	0.3	< 0.0010	< 0.00024	0.00073 <sup>J</sup>	<b>26.9</b>	<b>27.3</b>	<b>0.41</b>	<b>0.41</b>
1	MW-2103 DUP	4/27/2022	0.24	< 0.0010	< 0.00024	0.00043 <sup>J</sup>	<b>14.5<sup>J</sup></b>	<b>9.5<sup>J</sup></b>	<b>0.85</b>	<b>0.99</b>
1	MW-2103 DUP	7/26/2022	0.22	< 0.0010	< 0.00024	0.00070 <sup>J</sup>	<b>7.4<sup>J</sup></b>	<b>7.9</b>	<b>0.61</b>	<b>0.6</b>
1	PZ-2103	12/14/2020	0.12	< 0.0010	< 0.00024	0.002	0.10 <sup>J</sup>	0.075 <sup>J</sup>	<u>0.079</u>	<u>0.075</u>
1	PZ-2103	4/9/2021	0.081	< 0.0010	< 0.00024	0.0022	< 0.058	0.065 <sup>J</sup>	<u>0.064</u>	<u>0.063</u>
1	PZ-2103	2/24/2022	0.024	0.0030 <sup>J</sup>	< 0.0047	0.0017	<b>263</b>	<b>304</b>	<b>0.64</b>	<b>1.2</b>
1	PZ-2103	4/7/2022	0.023	< 0.020	< 0.0047	< 0.0057	<b>80.3</b>	<b>85.2</b>	<b>0.54</b>	<b>0.55</b>
1	PZ-2103	5/5/2022	0.023 <sup>J</sup>	< 0.010	< 0.0024	0.0099 <sup>J</sup>	<b>75.8</b>	<b>82.9</b>	<b>0.72</b>	<b>0.79</b>
1	PZ-2103	7/26/2022	0.045 <sup>J</sup>	< 0.020	< 0.0047	0.0071 <sup>J</sup>	<b>19.2<sup>J</sup></b>	<b>18.4</b>	<b>0.88</b>	<b>0.88</b>
1	PZ-2103 DUP	12/14/2020	0.11	< 0.0010	< 0.00024	0.0021	< 0.058	< 0.058	<u>0.069</u>	<u>0.065</u>
1	PZ-2103 DUP	4/9/2021	0.078	< 0.0010	< 0.00024	0.0028	< 0.058	0.065 <sup>J</sup>	<u>0.061</u>	<u>0.062</u>
1	PZ-2103 DUP	2/24/2022	0.024	0.0030 <sup>J</sup>	< 0.0047	0.001	<b>263</b>	<b>293</b>	<b>0.66</b>	<b>1.4</b>
1	PZ-2103 DUP	4/7/2022	0.025	< 0.020	< 0.0047	< 0.0057	<b>88.8</b>	<b>77</b>	<b>0.59</b>	<b>0.57</b>
1	PZ-2103 DUP	5/5/2022	0.019 <sup>J</sup>	< 0.020	< 0.0047	0.010 <sup>J</sup>	<b>72.7</b>	<b>84.5</b>	<b>0.76</b>	<b>0.8</b>
1	PZ-2103 DUP	7/26/2022	0.026 <sup>J</sup>	< 0.020	< 0.0047	< 0.0057	<b>7.7<sup>J</sup></b>	<b>23.9</b>	<b>0.89</b>	<b>0.87</b>
1	MW-2104	12/14/2020	0.079	< 0.0010	< 0.00024	0.0023	<b>3.5</b>	<b>5.1</b>	<b>0.31</b>	<b>0.32</b>
1	MW-2104	4/8/2021	0.06	< 0.0010	< 0.00024	0.0019	<b>3.4</b>	<b>3.4</b>	<u>0.26</u>	<u>0.27</u>
1	MW-2104	2/23/2022	0.041	< 0.0010	< 0.00024	0.0017	<b>2.6</b>	<b>3.3</b>	<u>0.15</u>	<u>0.19</u>
1	MW-2104	3/21/2022	0.039	< 0.0010	< 0.00024	0.0024	<b>2.3</b>	<b>3.7</b>	<u>0.2</u>	<u>0.21</u>



**Table 3B**  
**Select Metals and Geochemical Parameters in Groundwater**  
**Treatment Area 1**  
**Former Kenosha Engine Plant**

		Analyte	Barium	Chromium	Lead	Nickel	Iron	Iron	Manganese	Manganese
		ES	2	0.1	0.015	0.1	0.3	0.3	0.3	0.3
		PAL	0.4	0.01	0.0015	0.02	0.15	0.15	0.06	0.06
		Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		Diss/Total	D	D	D	D	D	T	D	T
Treatment Area	Sample Location	Sample Date								
1	MW-2105	12/14/2020	0.13	< 0.0010	< 0.00024	0.0024	<b>2</b>	<b>2.5</b>	<u>0.28</u>	<u>0.26</u>
1	MW-2105	4/8/2021	0.097	< 0.0010	< 0.00024	0.0025	<b>2.1</b>	<b>2.3</b>	<u>0.15</u>	<u>0.16</u>
1	MW-2105	2/23/2022	0.1	< 0.0010	< 0.00024	0.0012	<b>5.3</b>	<b>4.3</b>	<u>0.2</u>	<u>0.16</u>
1	MW-2105	3/23/2022	0.048	< 0.0010	< 0.00024	0.0036	<b>4</b>	<b>3.8</b>	<u>0.15</u>	<u>0.14</u>
1	PZ-2105	12/14/2020	0.11	< 0.0010	< 0.00024	0.0016	< 0.058	< 0.058	0.01	0.013
1	PZ-2105	4/8/2021	0.11	< 0.0010	< 0.00024	0.00098 <sup>J</sup>	< 0.058	< 0.058	0.0040 <sup>J</sup>	0.009
1	PZ-2105	2/22/2022	0.097	< 0.0010	< 0.00024	0.00087 <sup>J</sup>	< 0.058	0.068 <sup>J</sup>	0.0014 <sup>J</sup>	0.037
1	PZ-2105	3/22/2022	0.1	< 0.0010	< 0.00024	0.0012	< 0.058	< 0.058	0.0019 <sup>J</sup>	0.017
1	MW-2106	12/14/2020	0.2	< 0.0010	< 0.00024	0.0034	<b>2.1</b>	<b>2.3</b>	<u>0.29</u>	<u>0.29</u>
1	MW-2106	4/8/2021	0.2	< 0.0010	0.00071 <sup>J</sup>	0.0027	<b>2.6</b>	<b>3.2</b>	<u>0.25</u>	<u>0.25</u>
1	MW-2106	2/21/2022	0.23	< 0.0010	< 0.00024	0.0021	<b>6.8</b>	<b>8.3</b>	<u>0.24</u>	<u>0.25</u>
1	MW-2106	3/21/2022	0.38	< 0.0010	< 0.00024	0.0022	<b>10.2</b>	<b>10.3</b>	<b>0.34</b>	<u>0.29</u>
1	MW-2106	4/27/2022	0.24	< 0.0010	< 0.00024	0.002	<b>2.2</b>	<b>3</b>	<u>0.25</u>	<u>0.27</u>
1	MW-2106	7/26/2022	0.32	< 0.0010	< 0.00024	0.0025	<b>1.8</b>	<b>2.4</b>	<u>0.29</u>	<u>0.25</u>
1	MW-2107	12/9/2020	0.24	< 0.0010	< 0.00024	0.0024	<b>1.1</b>	<b>1</b>	<u>0.18</u>	<u>0.17</u>
1	MW-2107	4/7/2021	0.25	< 0.0010	< 0.00024	0.0024	<b>1.7</b>	<b>2.1</b>	<u>0.18</u>	<u>0.19</u>
1	MW-2107	2/21/2022	0.18	< 0.0010	< 0.00024	0.0016	<b>137</b>	<b>140</b>	<u>0.2</u>	<u>0.2</u>
1	MW-2107	3/21/2022	0.15	< 0.0010	< 0.00024	0.0021	<b>86.6</b>	<b>87.6</b>	<u>0.18</u>	<u>0.15</u>
1	MW-2107	4/26/2022	0.019	0.0031 <sup>J</sup>	< 0.00024	0.0017	<b>46.7</b>	<b>49.7</b>	<b>0.41</b>	<b>0.46</b>
1	MW-2107	7/25/2022	0.051	< 0.0010	< 0.00024	0.0013	<b>66.6</b>	<b>70.8</b>	<u>0.13</u>	<u>0.12</u>
1	PZ-2107	12/9/2020	0.1	< 0.0010	< 0.00024	0.0069	< 0.058	< 0.058	<u>0.086</u>	<u>0.085</u>
1	PZ-2107	4/8/2021	0.051	< 0.0010	< 0.00024	0.0068	< 0.058	< 0.058	0.039	0.04
1	PZ-2107	2/22/2022	0.041	< 0.0010	< 0.00024	0.0015	<b>1.1</b>	0.063 <sup>J</sup>	<u>0.093</u>	0.0037 <sup>J</sup>
1	PZ-2107	3/22/2022	0.049	< 0.0010	< 0.00024	0.0042	<b>0.43</b>	<b>1.7</b>	<u>0.18</u>	<u>0.19</u>
1	PZ-2107	4/26/2022	0.047	< 0.0010	< 0.00024	0.0046	0.14 <sup>J</sup>	<b>1.4</b>	0.032	<u>0.067</u>
1	PZ-2107	7/25/2022	0.052	< 0.0010	< 0.00024	0.0046	<b>2.2</b>	<b>2.6</b>	<u>0.14</u>	<u>0.16</u>

**Table 3B**  
**Select Metals and Geochemical Parameters in Groundwater**  
**Treatment Area 1**  
**Former Kenosha Engine Plant**

		Analyte	Barium	Chromium	Lead	Nickel	Iron	Iron	Manganese	Manganese
		ES	2	0.1	0.015	0.1	0.3	0.3	0.3	0.3
		PAL	0.4	0.01	0.0015	0.02	0.15	0.15	0.06	0.06
		Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		Diss/Total	D	D	D	D	D	T	D	T
Treatment Area	Sample Location	Sample Date								
1	MW-2108	12/9/2020	0.053	< 0.0010	< 0.00024	0.0015	<b>0.45</b>	<b>0.41</b>	<u>0.17</u>	<u>0.18</u>
1	MW-2108	4/7/2021	0.051	< 0.0010	< 0.00024	0.0033	<b>0.41</b>	<b>0.62</b>	<u>0.15</u>	<u>0.16</u>
1	MW-2108	2/21/2022	0.086	< 0.0010	< 0.00024	0.0055	<b>0.79</b>	<b>0.95</b>	<u>0.22</u>	<u>0.21</u>
1	MW-2108	3/21/2022	0.082	< 0.0010	< 0.00024	0.0062	<b>0.72</b>	<b>0.91</b>	<u>0.2</u>	<u>0.2</u>
1	MW-2109	12/9/2020	0.13	< 0.0010	< 0.00024	0.0014	<b>0.43</b>	<b>0.34</b>	<u>0.26</u>	<u>0.24</u>
1	MW-2109	4/7/2021	0.21	< 0.0010	< 0.00024	0.00062 <sup>J</sup>	<b>1.7</b>	<b>2.2</b>	<u>0.2</u>	<u>0.21</u>
1	MW-2109	2/21/2022	0.082	< 0.0010	< 0.00024	0.00096 <sup>J</sup>	<b>2</b>	<b>11.6</b>	<u>0.24</u>	<b>0.31</b>
1	MW-2109	3/21/2022	0.077	< 0.0010	< 0.00024	0.0012	<b>0.96</b>	<b>2.4</b>	<u>0.18</u>	<u>0.22</u>
1	PZ-2109	12/9/2020	0.27	< 0.010	< 0.00024	< 0.0028	<b>6</b>	<b>5.4</b>	<u>0.29</u>	<u>0.27</u>
1	PZ-2109	4/7/2021	0.23	< 0.0010	< 0.0012	0.00049 <sup>J</sup>	<b>4.9</b>	<b>4.8</b>	<u>0.24</u>	<u>0.23</u>
1	PZ-2109	2/21/2022	0.22	< 0.0010	< 0.00024	0.00034 <sup>J</sup>	<b>5.8</b>	<b>7</b>	<u>0.23</u>	<u>0.25</u>
1	PZ-2109	3/21/2022	0.24	0.0025 <sup>J</sup>	< 0.00024	0.00066 <sup>J</sup>	<b>4.9</b>	<b>6</b>	<u>0.24</u>	<u>0.25</u>
1	MW-2110	12/15/2020	0.074	< 0.0010	< 0.00024	0.0022	<b>1.2</b>	<b>1.2</b>	<u>0.29</u>	<u>0.29</u>
1	MW-2110	4/7/2021	0.045	< 0.0010	< 0.00024	0.002	<b>0.59</b>	<b>1.6</b>	<b>0.35</b>	<b>0.39</b>
1	MW-2110	2/21/2022	0.079	< 0.0010	< 0.00024	0.00056 <sup>J</sup>	<b>1.3</b>	<b>2.4</b>	<b>0.35</b>	<b>0.48</b>
1	MW-2110	3/21/2022	0.087	< 0.0010	< 0.00024	0.00090 <sup>J</sup>	<b>1.3</b>	<b>2.5</b>	<b>0.34</b>	<b>0.37</b>
1	MW-2110	4/27/2022	0.03	< 0.0010	< 0.00024	0.0045	<u>0.29</u>	<b>0.45</b>	<u>0.25</u>	<u>0.29</u>
1	MW-2110	7/25/2022	0.075	< 0.0010	< 0.00024	0.0019	<b>0.85</b>	<b>1.1</b>	<b>0.37</b>	<b>0.39</b>
1	PZ-2110	12/8/2020	0.094	< 0.0010	< 0.00024	0.0031	< 0.058	< 0.23 <sup>U</sup>	<u>0.12</u>	<u>0.099</u>
1	PZ-2110	4/7/2021	0.061	< 0.0010	< 0.00024	0.002	<u>0.21<sup>J</sup></u>	<u>0.19<sup>J</sup></u>	<u>0.18</u>	<u>0.2</u>
1	PZ-2110	2/21/2022	0.06	< 0.0010	< 0.00024	0.0012	<b>1.1</b>	<b>1.6</b>	<u>0.24</u>	<u>0.25</u>
1	PZ-2110	3/21/2022	0.062	< 0.0010	< 0.00024	0.0011	<b>1.7</b>	<b>1.7</b>	<u>0.25</u>	<u>0.25</u>
1	PZ-2110	4/27/2022	0.067	< 0.0010	< 0.00024	0.0021	<b>0.93</b>	<b>1.2</b>	<u>0.15</u>	<u>0.14</u>
1	PZ-2110	7/25/2022	0.06	< 0.0010	< 0.00024	0.0031	<b>1.1</b>	<b>1.4</b>	<u>0.18</u>	<u>0.19</u>

**Table 3B**  
**Select Metals and Geochemical Parameters in Groundwater**  
**Treatment Area 1**  
**Former Kenosha Engine Plant**

		Analyte	Barium	Chromium	Lead	Nickel	Iron	Iron	Manganese	Manganese
		ES	2	0.1	0.015	0.1	0.3	0.3	0.3	0.3
		PAL	0.4	0.01	0.0015	0.02	0.15	0.15	0.06	0.06
		Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		Diss/Total	D	D	D	D	D	T	D	T
Treatment Area	Sample Location	Sample Date								
1	MW-2111	12/11/2020	0.033	< 0.0010	< 0.00024	0.0034	<b>0.34</b>	<b>0.34</b>	<b>0.44</b>	<b>0.42</b>
1	MW-2111	4/8/2021	0.029	< 0.0010	< 0.00024	0.0046	<i>0.16<sup>J</sup></i>	<i>0.17<sup>J</sup></i>	<b>0.37</b>	<b>0.36</b>
1	MW-2111	2/24/2022	0.055	< 0.0051	< 0.0012	< 0.0014	<b>746</b>	<b>828</b>	<b>0.7</b>	<b>0.7</b>
1	MW-2111	3/23/2022	0.085	< 0.0051	< 0.0012	< 0.0014	<b>353</b>	<b>328</b>	<b>0.47</b>	<b>0.45</b>
1	MW-2111	4/26/2022	0.071	< 0.010	< 0.00024	< 0.0028	<b>129</b>	<b>117</b>	<b>1.8</b>	<b>2</b>
1	MW-2111	7/26/2022	0.026	< 0.0020	< 0.00047	< 0.00057	<b>379</b>	<b>459</b>	<b>0.55</b>	<b>0.62</b>
1	PZ-2111	12/11/2020	0.09	0.0014 <sup>J</sup>	< 0.00024	0.0026	<b>0.66</b>	<b>0.53</b>	<i>0.095</i>	<i>0.088</i>
1	PZ-2111	4/8/2021	0.094	< 0.0010	< 0.00024	0.0015	< 0.058	0.11 <sup>J</sup>	0.025	0.044
1	PZ-2111	2/23/2022	<b>1.3</b>	< 0.0051	< 0.0012	< 0.0014	<b>812</b>	<b>787</b>	<b>1.2</b>	<b>0.95</b>
1	PZ-2111	3/23/2022	<b>2</b>	< 0.010	< 0.0024	< 0.0028	<b>763</b>	<b>762</b>	<b>1.7</b>	<b>1.6</b>
1	PZ-2111	4/26/2022	<b>2.1</b>	< 0.010	< 0.0024	< 0.0028	<b>528</b>	<b>589</b>	<b>1.7</b>	<b>1.7</b>
1	PZ-2111	7/26/2022	<b>2.1</b>	< 0.0020	< 0.00047	< 0.00057	<b>296</b>	<b>311</b>	<b>1.3</b>	<b>1.3</b>
1	MW-2112	12/15/2020	0.06	< 0.0010	< 0.00024	0.0015	<b>3.3</b>	<b>3.3</b>	<b>0.38</b>	<b>0.4</b>
1	MW-2112 DUP	12/15/2020	0.06	< 0.0010	< 0.00024	0.0023	<b>3.3</b>	<b>3.5</b>	<b>0.38</b>	<b>0.38</b>
1	MW-2112	4/8/2021	0.054	< 0.0010	< 0.00024	0.0013	<b>2.8</b>	<b>5.2</b>	<b>0.36</b>	<b>0.39</b>
1	MW-2112	2/22/2022	0.075	< 0.0010	< 0.00024	0.0021	<b>2.4</b>	<b>3.2</b>	<b>0.36</b>	<b>0.34</b>
1	MW-2112	3/21/2022	0.057	< 0.0010	< 0.00024	0.0026	<b>2.8</b>	<b>2.9</b>	<b>0.31</b>	<b>0.32</b>
1	MW-2112	4/26/2022	0.091	< 0.0010	< 0.00024	0.0024	<b>1.3</b>	<b>2.2</b>	<b>0.46</b>	<b>0.52</b>
1	MW-2112	7/25/2022	0.088	< 0.0010	< 0.00024	0.0022	<b>3.5</b>	<b>4.4</b>	<b>0.31</b>	<b>0.31</b>
1	PZ-2112	12/15/2020	0.087	< 0.0010	< 0.00024	0.0045	< 0.058	< 0.058	0.023	0.026
1	PZ-2112 DUP	12/15/2020	0.086	< 0.0010	< 0.00024	0.0046	< 0.058	< 0.058	0.02	0.025
1	PZ-2112	4/8/2021	0.044	< 0.0010	0.00080 <sup>J</sup>	0.0044	< 0.058	0.10 <sup>J</sup>	0.053	<i>0.1</i>
1	PZ-2112	2/22/2022	0.069	< 0.0010	< 0.00024	0.001	<b>0.41</b>	<b>0.51</b>	<i>0.12</i>	0.036
1	PZ-2112	3/21/2022	0.21	< 0.0010	< 0.00024	0.0011	<b>0.54</b>	<b>1.1</b>	<i>0.18</i>	<i>0.18</i>
1	PZ-2112	4/26/2022	0.3	< 0.0010	< 0.00024	0.00039 <sup>J</sup>	<b>0.72</b>	<b>1.4</b>	<i>0.14</i>	<i>0.14</i>
1	PZ-2112	7/25/2022	0.28	< 0.0010	< 0.00024	0.00031 <sup>J</sup>	<b>1.1</b>	<b>1.2</b>	<i>0.12</i>	<i>0.12</i>

**Table 3B**  
**Select Metals and Geochemical Parameters in Groundwater**  
**Treatment Area 1**  
**Former Kenosha Engine Plant**

		Analyte	Barium	Chromium	Lead	Nickel	Iron	Iron	Manganese	Manganese
		ES	2	0.1	0.015	0.1	0.3	0.3	0.3	0.3
		PAL	0.4	0.01	0.0015	0.02	0.15	0.15	0.06	0.06
		Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		Diss/Total	D	D	D	D	D	T	D	T
Treatment Area	Sample Location	Sample Date								
1	MW-2113	12/14/2020	0.069	< 0.0010	< 0.00024	0.0034	<b>4.9</b>	<b>4.9</b>	<u>0.18</u>	<u>0.2</u>
1	MW-2113	4/8/2021	0.088	< 0.0010	< 0.00024	0.0037	<b>4.4</b>	<b>4.3</b>	<u>0.19</u>	<u>0.19</u>
1	MW-2113	2/23/2022	0.26	< 0.0010	< 0.00024	0.0065	<b>3.5</b>	<b>3.9</b>	<u>0.18</u>	<u>0.23</u>
1	MW-2113	3/22/2022	<u>0.56</u>	< 0.0010	< 0.00024	0.0065	<b>6</b>	<b>5.1</b>	<b>0.47</b>	<b>0.45</b>
1	MW-2113	4/26/2022	0.16	< 0.0010	< 0.00024	0.015	<b>0.82</b>	<b>1.8</b>	<b>0.36</b>	<b>0.35</b>
1	MW-2113	7/26/2022	0.21	< 0.0010	< 0.00024	0.0087	<b>1.4</b>	<b>1.7</b>	<u>0.18</u>	<u>0.2</u>
1	PZ-2113	12/14/2020	0.12	< 0.0010	< 0.00024	0.0049	< 0.058	< 0.058	<u>0.16</u>	<u>0.15</u>
1	PZ-2113	4/9/2021	0.1	< 0.0010	< 0.00024	0.0016	<b>0.78<sup>J</sup></b>	<b>0.46<sup>J</sup></b>	<u>0.12</u>	<u>0.12</u>
1	PZ-2113	2/24/2022	<u>0.73</u>	< 0.0010	< 0.00024	< 0.00028	<b>210</b>	<b>118</b>	<b>0.71</b>	<b>0.32</b>
1	PZ-2113	3/23/2022	<u>0.93</u>	< 0.0051	< 0.0012	< 0.0014	<b>294</b>	<b>254</b>	<b>0.78</b>	<b>0.81</b>
1	PZ-2113	4/26/2022	<u>0.87</u>	< 0.0020	< 0.00047	< 0.00057	<b>173<sup>J</sup></b>	<b>101<sup>J</sup></b>	<b>0.73<sup>J</sup></b>	<b>0.47<sup>J</sup></b>
1	PZ-2113	7/26/2022	<u>1.1</u>	< 0.0020	< 0.00047	< 0.00057	<b>183</b>	<b>180</b>	<b>0.61</b>	<b>0.55</b>
1	MW-2114	12/14/2020	0.12	< 0.0010	< 0.00024	0.0052	<b>1.1</b>	<b>1.4</b>	<u>0.16</u>	<u>0.16</u>
1	MW-2114	4/7/2021	0.1	< 0.0010	< 0.00024	0.0061	<b>2.2</b>	<b>2.6</b>	<u>0.13</u>	<u>0.13</u>
1	MW-2114	2/21/2022	0.16	< 0.0010	< 0.00024	0.005	<b>3.2</b>	<b>4.2</b>	<u>0.14</u>	<u>0.15</u>
1	MW-2114	3/21/2022	0.18	< 0.0010	< 0.00024	0.0044	<b>2.4</b>	<b>2.7</b>	<u>0.12</u>	<u>0.12</u>
1	MW-2114	4/26/2022	0.26	< 0.0010	< 0.00024	0.0063	<b>2.4</b>	<b>3.5</b>	<u>0.23</u>	<u>0.22</u>
1	MW-2114	7/25/2022	0.19	< 0.0010	< 0.00024	0.0044	<b>0.82</b>	<b>1.1</b>	<u>0.16</u>	<u>0.15</u>
1	PZ-2114	12/14/2020	0.14	< 0.0010	< 0.00024	0.0025	< 0.058	< 0.058	0.015 <sup>J</sup>	0.012 <sup>J</sup>
1	PZ-2114	4/7/2021	0.13	< 0.0010	< 0.00024	0.0032	< 0.058	< 0.058	0.0048	0.017
1	PZ-2114	2/21/2022	0.087	< 0.0010	< 0.00024	0.0024	< 0.058	<b>0.37</b>	0.0051	0.03
1	PZ-2114	3/21/2022	0.1	< 0.0010	0.00033 <sup>J</sup>	0.0029	< 0.058	0.084 <sup>J</sup>	0.0052	0.012
1	PZ-2114	4/26/2022	0.14	< 0.0010	< 0.00024	0.0029	< 0.058	0.099 <sup>J</sup>	< 0.0012	0.013
1	PZ-2114	7/25/2022	0.14	< 0.0010	< 0.00024	0.0027	< 0.058	0.060 <sup>J</sup>	0.015	0.015
1	MW-61	6/15/2017	NA	NA	NA	NA	<b>2.99</b>	<b>3.01</b>	NA	NA

**Table 3B**  
**Select Metals and Geochemical Parameters in Groundwater**  
**Treatment Area 1**  
**Former Kenosha Engine Plant**

		Analyte	Barium	Chromium	Lead	Nickel	Iron	Iron	Manganese	Manganese
		ES	2	0.1	0.015	0.1	0.3	0.3	0.3	0.3
		PAL	0.4	0.01	0.0015	0.02	0.15	0.15	0.06	0.06
		Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		Diss/Total	D	D	D	D	D	T	D	T
Treatment Area	Sample Location	Sample Date								
1	MW-61	9/13/2017	NA	NA	NA	NA	<b>1.8</b>	<b>1.59</b>	NA	NA
1	MW-61	3/21/2018	NA	NA	NA	NA	<b>2.25</b>	<b>2.22</b>	NA	NA
1	MW-61	12/11/2020	0.25	< 0.0010	< 0.00024	0.00055 <sup>J</sup>	<b>2</b>	<b>1.8</b>	<u>0.14</u>	<u>0.13</u>
1	MW-61	4/8/2021	0.2	< 0.0010	< 0.00024	0.00040 <sup>J</sup>	<b>2.1</b>	<b>2.8</b>	<u>0.13</u>	<u>0.14</u>
1	MW-61	2/23/2022	0.036	< 0.0010	< 0.00024	0.0012	0.098 <sup>J</sup>	<b>2.2</b>	0.047	<u>0.074</u>
1	MW-61	3/22/2022	0.21	< 0.0010	< 0.00024	0.0013	<b>0.65</b>	<b>0.96</b>	<u>0.2</u>	<u>0.23</u>
1	MW-61	4/27/2022	0.11	< 0.0010	< 0.00024	0.0023	<b>1.5</b>	<b>1.7</b>	<u>0.17<sup>J</sup></u>	<u>0.13<sup>J</sup></u>
1	MW-61	7/25/2022	0.13	< 0.0010	< 0.00024	0.0013	<b>2.4</b>	<b>2.4</b>	<u>0.24</u>	<u>0.23</u>
1	MW-61 DUP	6/15/2017	NA	NA	NA	NA	<b>2.93</b>	<b>3.1</b>	NA	NA
1	MW-61 DUP	3/21/2018	NA	NA	NA	NA	<b>2.3</b>	<b>2.24</b>	NA	NA
1	MW-61 DUP	4/27/2022	0.11	< 0.0010	< 0.00024	0.0024	<b>1.6</b>	<b>1.8</b>	<u>0.19</u>	<u>0.17</u>
1	MW-61 DUP	7/25/2022	0.13	< 0.0010	< 0.00024	0.0012	<b>2.3</b>	<b>2.4</b>	<u>0.23</u>	<u>0.23</u>
1	PZ-61	6/15/2017	NA	NA	NA	NA	<b>296</b>	<b>312</b>	NA	NA
1	PZ-61	9/13/2017	NA	NA	NA	NA	<b>896</b>	<b>968</b>	NA	NA
1	PZ-61	3/21/2018	NA	NA	NA	NA	<b>756</b>	<b>570</b>	NA	NA
1	PZ-61	12/11/2020	<u>1.2</u>	< 0.020	< 0.00024	0.019 <sup>J</sup>	<b>57.8</b>	<b>50.8</b>	<u>0.092</u>	<u>0.088</u>
1	PZ-61	4/7/2021	0.25	< 0.0010	< 0.00024	0.0064	<b>25</b>	<b>30.9</b>	<u>0.12</u>	<u>0.15</u>
1	PZ-61	2/21/2022	0.058	< 0.0010	< 0.00024	0.0013	<b>1.3</b>	<b>2.2</b>	0.058	<u>0.063</u>
1	PZ-61	3/21/2022	<u>0.53</u>	< 0.0020	< 0.00047	0.0044	<b>323</b>	<b>311</b>	<b>0.31</b>	<b>0.33</b>
1	PZ-61	4/27/2022	0.11	< 0.0020	< 0.00047	0.003	<b>130</b>	<b>135</b>	<u>0.15</u>	<u>0.2</u>
1	PZ-61	7/25/2022	<u>0.46</u>	< 0.0010	< 0.00024	0.0076	<b>138</b>	<b>146</b>	<u>0.28</u>	<b>0.4</b>

Notes:

NA = Not Analyzed

mg/L = milligrams per liter

ug/L = micrograms per liter

<sup>U</sup> = Qualified nondetect due to contamination

<sup>J</sup> = Estimated value (+/- indicated the direction of bias)

PAL - Preventive Action Limit, Wisconsin Administrative Code NR 140.10 Table 1, June 2021 exceedances are underlined italics.

ES - Enforcement Standard, Wisconsin Administrative Code NR 140.10 Table 1, June 2021 exceedances are **bold**.

**Table 3B**  
**Select Metals and Geochemical Parameters in Groundwater**  
**Treatment Area 1**  
**Former Kenosha Engine Plant**

		Analyte	Alkalinity, Total as CaCO3	Chemical Oxygen Demand	Chloride	Sulfate	Sulfide	Total organic carbon	Ethane	Ethene	Methane
		ES			250	250					
		PAL			125	125					
		Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/l	ug/l	ug/l
		Diss/Total	T	T	T	T	T	T	N	N	N
Treatment Area	Sample Location	Sample Date									
1	MW-2101	12/9/2020	380	25.0 <sup>J</sup>	86.5	<u>192</u>	< 1.2	7.7	4.5 <sup>J</sup>	< 1.2	182
1	MW-2101	4/8/2021	373	23.7 <sup>J</sup>	40.4	<b>322</b>	< 1.2	7.3	< 1.2	< 1.2	5.9
1	MW-2101	2/22/2022	767	1730	49.9	< 4.4	< 1.2	587	49.5	42.8	349
1	MW-2101	3/21/2022	909	1580	58.1	< 4.4	< 1.2	654	68.9	51.2	926
1	MW-2101	4/27/2022	747	936	57.7	48.7	< 1.2	337	47.3	42.2	116
1	MW-2101	7/26/2022	758 <sup>J-</sup>	1280	48.2	< 4.4	< 1.2	481 <sup>J-</sup>	71.4	43.1	1870
1	PZ-2101	12/9/2020	357	48.4 <sup>J</sup>	<b>396</b>	<b>426</b>	< 1.2	8	1.7 <sup>J</sup>	10.2	102
1	PZ-2101	4/9/2021	378	43.9 <sup>J</sup>	<b>472</b>	<b>533</b>	< 1.2	6.9	1.4 <sup>J</sup>	4.6 <sup>J</sup>	49.3
1	PZ-2101	2/24/2022	4870	15400	<b>316</b>	22.6 <sup>J</sup>	< 1.2	0.19 <sup>J</sup>	512	3150	310
1	PZ-2101	3/23/2022	5750	13700	<b>412</b>	< 8.9	< 1.2	4480	666	3380	355
1	PZ-2101	4/27/2022	5980	15000	<b>461</b>	36.6 <sup>J</sup>	1.4 <sup>J</sup>	4430	1890	7100	831
1	PZ-2101	7/26/2022	4880 <sup>J-</sup>	14800	<b>531</b>	< 8.9	< 12.0	4460 <sup>J-</sup>	1770	5950	959
1	MW-2102	12/15/2020	347	41.7 <sup>J</sup>	88.5	<b>400<sup>J-</sup></b>	< 1.2	10.9	< 1.2	2.2 <sup>J</sup>	15.5
1	MW-2102	4/8/2021	346	35.0 <sup>J</sup>	117	<b>411</b>	< 1.2	11	< 1.2	3.0 <sup>J</sup>	37.5
1	MW-2102	2/22/2022	1530	1950	<u>129</u>	< 8.9	< 1.2	883	9.7	14.8	1200
1	MW-2102	3/22/2022	1000	1670	94.4	<b>465</b>	< 1.2	588	16.1	16.4	5690
1	MW-2102	4/27/2022	903	1330	80.3	<b>713</b>	< 1.2	396	9.6	8.5	6310
1	MW-2102	7/25/2022	1170 <sup>J-</sup>	4130	124 <sup>J+</sup>	< 2.2	< 12.0	1570	7.1	12.5	6640
1	MW-2103	12/14/2020	366 <sup>J-</sup>	15.5 <sup>J</sup>	<u>134</u>	<u>163</u>	< 1.2	5.3	4.5 <sup>J</sup>	44	120
1	MW-2103	4/23/2021	344	23.7 <sup>J</sup>	<u>171</u>	<u>141</u>	< 1.2	6	11.4	52.5	464
1	MW-2103	2/23/2022	830	984	<u>164</u>	<b>754</b>	< 1.2	348	2.8 <sup>J</sup>	13	40.4
1	MW-2103	3/22/2022	947	867	<u>201</u>	<u>216</u>	< 1.2	323	2.4 <sup>J</sup>	21.3	72.8
1	MW-2103	4/27/2022	1300	861	<u>185</u>	<b>320</b>	4.4	263	3.0 <sup>J</sup>	28.5	70.2
1	MW-2103	7/26/2022	971 <sup>J-</sup>	450	<u>146</u>	17.1 <sup>J+</sup>	1.6 <sup>J</sup>	142 <sup>J-</sup>	1.6 <sup>J</sup>	952	118

**Table 3B**  
**Select Metals and Geochemical Parameters in Groundwater**  
**Treatment Area 1**  
**Former Kenosha Engine Plant**

		Analyte	Alkalinity, Total as CaCO3	Chemical Oxygen Demand	Chloride	Sulfate	Sulfide	Total organic carbon	Ethane	Ethene	Methane
		ES			250	250					
		PAL			125	125					
		Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/l	ug/l	ug/l
		Diss/Total	T	T	T	T	T	T	N	N	N
Treatment Area	Sample Location	Sample Date									
1	MW-2103 DUP	12/14/2020	364 <sup>J-</sup>	25.0 <sup>J</sup>	<u>130</u>	<u>173</u>	< 1.2	5	5.0 <sup>J</sup>	51.7	129
1	MW-2103 DUP	4/8/2021	344	23.7 <sup>J</sup>	<u>168</u>	<u>145</u>	< 1.2	6	11.2	51	423
1	MW-2103 DUP	2/23/2022	847	1010	<u>174</u>	<b>712</b>	< 1.2	402	4.6 <sup>J</sup>	19.5	34.5
1	MW-2103 DUP	3/22/2022	946	856	<u>202</u>	<u>227</u>	< 1.2	290	1.3 <sup>J</sup>	10.8	34.1
1	MW-2103 DUP	4/27/2022	1270	707	<u>187</u>	<b>333</b>	4.6	231	3.7 <sup>J</sup>	36	88.7
1	MW-2103 DUP	7/26/2022	981 <sup>J-</sup>	509	<u>146</u>	18.8 <sup>J+</sup>	2.2 <sup>J</sup>	134 <sup>J-</sup>	1.7 <sup>J</sup>	928	125
1	PZ-2103	12/14/2020	296	32.7 <sup>J</sup>	<u>224</u>	<u>208</u>	< 1.2	3.7	1.3 <sup>J</sup>	6.8	21.2
1	PZ-2103	4/9/2021	337	50.7	<b>275</b>	<b>412</b>	< 1.2	3.8	< 1.2	2.4 <sup>J</sup>	11.8
1	PZ-2103	2/24/2022	2290	7090	<u>245</u>	<b>5220</b>	< 1.2	2260	218	2190	45.8
1	PZ-2103	4/7/2022	3510	4280	<b>472</b>	<b>5930</b>	1.2	1150	386	2460	81
1	PZ-2103	5/5/2022	3570	3920	<b>476</b>	<b>9980</b>	1.8 <sup>J</sup>	1110	254	2450	53.9
1	PZ-2103	7/26/2022	3410 <sup>J-</sup>	2590	<b>500</b>	<b>11500 <sup>J+</sup></b>	40.0 <sup>J-</sup>	733 <sup>J-</sup>	281	1430 <sup>J</sup>	66.3
1	PZ-2103 DUP	12/14/2020	297	35.0 <sup>J</sup>	<u>232</u>	<u>216</u>	< 1.2	3.7	< 1.2	4.5 <sup>J</sup>	17.4
1	PZ-2103 DUP	4/9/2021	335	41.7 <sup>J</sup>	<b>273</b>	<b>394</b>	< 1.2	3.8	< 1.2	2.6 <sup>J</sup>	14.3
1	PZ-2103 DUP	2/24/2022	2410	7580	<b>276</b>	<b>5540</b>	< 1.2	2050	232	2550	50.3
1	PZ-2103 DUP	4/7/2022	3380	3690	<b>458</b>	<b>6040</b>	2.4	1210	359	2540	70.4
1	PZ-2103 DUP	5/5/2022	3600	4060	<b>523</b>	<b>9750</b>	2.2 <sup>J</sup>	1090	321	2500	67.7
1	PZ-2103 DUP	7/26/2022	3660 <sup>J-</sup>	2590	<b>528</b>	<b>12700 <sup>J+</sup></b>	24.0 <sup>J</sup>	780 <sup>J-</sup>	291	2480 <sup>J</sup>	69.7
1	MW-2104	12/14/2020	418	48.4 <sup>J</sup>	<b>438</b>	<b>302</b>	< 1.2	10.6	< 1.2	< 1.2	215
1	MW-2104	4/8/2021	395	43.9 <sup>J</sup>	<b>354</b>	<b>321</b>	< 1.2 <sup>UJ</sup>	10	< 1.2	< 1.2	116
1	MW-2104	2/23/2022	399	58.9	<u>151</u>	<b>272</b>	< 1.2	10.6	< 0.39	< 0.25	138
1	MW-2104	3/21/2022	386	41.3 <sup>J</sup>	<u>138</u>	<b>277</b>	< 1.2	10.4	< 0.39	< 0.25	209

**Table 3B**  
**Select Metals and Geochemical Parameters in Groundwater**  
**Treatment Area 1**  
**Former Kenosha Engine Plant**

		Analyte	Alkalinity, Total as CaCO3	Chemical Oxygen Demand	Chloride	Sulfate	Sulfide	Total organic carbon	Ethane	Ethene	Methane
		ES			250	250					
		PAL			125	125					
		Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/l	ug/l	ug/l
		Diss/Total	T	T	T	T	T	T	N	N	N
Treatment Area	Sample Location	Sample Date									
1	MW-2105	12/14/2020	493	91.1	<b>251</b>	107	< 1.2	25.9	7.9	< 1.2	1110
1	MW-2105	4/8/2021	495	68.6	<u>195</u>	<u>137</u>	< 1.2	18.9	10.4	2.7 <sup>J</sup>	1310
1	MW-2105	2/23/2022	445	50.1	<b>361</b>	<u>228</u>	< 1.2	16.6	4.2 <sup>J</sup>	2.1 <sup>J</sup>	349
1	MW-2105	3/23/2022	439	87.4	81.6	<b>677</b>	< 1.2	24.9	43.1	< 0.25	1420
1	PZ-2105	12/14/2020	188	17.0 <sup>J</sup>	<u>164</u>	<u>219</u>	< 1.2	4.1	< 1.2	< 1.2	1.8 <sup>J</sup>
1	PZ-2105	4/8/2021	160	< 14.7	114	<u>228<sup>J+</sup></u>	< 1.2	3.1	< 1.2	< 1.2	< 0.66
1	PZ-2105	2/22/2022	160	< 14.7	85.3	<u>222</u>	< 1.2	2.5	< 0.39	1.3 <sup>J</sup>	< 0.58
1	PZ-2105	3/22/2022	172	< 14.7	93.2	<b>252</b>	< 1.2	2.8	< 0.39	< 0.25	< 0.58
1	MW-2106	12/14/2020	612	219	40.3	<u>187</u>	< 1.2	59.7	7.9	179	1010
1	MW-2106	4/8/2021	570	235	45.4	<b>269</b>	< 1.2	61.8	12.4	260	1520
1	MW-2106	2/21/2022	656	235	68.6	4.3 <sup>J</sup>	< 1.2	65.9	12.7	399	1930
1	MW-2106	3/21/2022	934	386	87.8	< 2.2	< 1.2	132	12.6	440	2080
1	MW-2106	4/27/2022	687	230	87.3	80	1.6 <sup>J</sup>	77.9	7.7	424	2590
1	MW-2106	7/26/2022	623 <sup>J-</sup>	219	75.6	<u>147<sup>J+</sup></u>	< 1.2	44.2 <sup>J-</sup>	5.7	359	1690
1	MW-2107	12/9/2020	292	52.9	40.3	<u>161</u>	< 1.2	16.3	8.2	17.8	493
1	MW-2107	4/7/2021	324	43.9 <sup>J</sup>	64.7	<u>149</u>	< 1.2	13.6	10.6	54.9	1490
1	MW-2107	2/21/2022	647	1250	49.4	< 2.2	< 1.2	414	163	333	3640
1	MW-2107	3/21/2022	616	995	49.2	5.1 <sup>J</sup>	< 1.2	375	152	286	4590
1	MW-2107	4/26/2022	355 <sup>J-</sup>	282	28.5	<b>1170</b>	< 1.2	89.9	18	8.4	3030
1	MW-2107	7/25/2022	590 <sup>J-</sup>	995	44.3 <sup>J+</sup>	5.0 <sup>J</sup>	< 1.2	363	15.1	14.3	3510
1	PZ-2107	12/9/2020	356	41.7 <sup>J</sup>	<b>431</b>	<b>532</b>	< 1.2	11.9	4.2 <sup>J</sup>	42.8	72.5
1	PZ-2107	4/8/2021	314	32.7 <sup>J</sup>	<b>428</b>	<b>544</b>	< 1.2	9.5	< 1.2	6.8	17.6
1	PZ-2107	2/22/2022	121	< 14.7	48.3	45.4	< 1.2	1.8	< 0.39	< 0.25	< 0.58
1	PZ-2107	3/22/2022	285	22.7 <sup>J</sup>	<b>358</b>	<b>318</b>	< 1.2	5.1	3.2 <sup>J</sup>	26.2	72.2
1	PZ-2107	4/26/2022	325 <sup>J-</sup>	20.3 <sup>J</sup>	<b>372</b>	<b>336</b>	< 1.2 <sup>U</sup>	5.7	0.55 <sup>J</sup>	3.7 <sup>J</sup>	15.3
1	PZ-2107	7/25/2022	302 <sup>J-</sup>	52.3	<b>406<sup>J+</sup></b>	<b>293</b>	< 1.2	5.8	2.4 <sup>J</sup>	20.1	108



**Table 3B**  
**Select Metals and Geochemical Parameters in Groundwater**  
**Treatment Area 1**  
**Former Kenosha Engine Plant**

Treatment Area	Sample Location	Sample Date	Analyte	Alkalinity, Total as CaCO3	Chemical Oxygen Demand	Chloride	Sulfate	Sulfide	Total organic carbon	Ethane	Ethene	Methane	
			ES			250	250						
			PAL			125	125						
			Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/l	ug/l	ug/l	
Diss/Total	T	T	T	T	T	T	N	N	N				
1	MW-2108	12/9/2020		159	28.2 <sup>J</sup>	20	<u>144</u>	1.6 <sup>J</sup>	8.8	3.2 <sup>J</sup>	< 1.2	114	
1	MW-2108	4/7/2021		168	57.4	37.1	105	< 1.2	15.3	1.4 <sup>J</sup>	< 1.2	110	
1	MW-2108	2/21/2022		254	59.7	63.9	95.8	< 1.2	17.3	0.95 <sup>J</sup>	< 0.25	91	
1	MW-2108	3/21/2022		268	80.8	69.2	79	1.2 <sup>J</sup>	18.7	1.4 <sup>J</sup>	< 0.25	169	
1	MW-2109	12/9/2020		520	26.0 <sup>J</sup>	<b>377</b>	118	< 1.2	4.4	< 1.2	1.4 <sup>J</sup>	161	
1	MW-2109	4/7/2021		552	23.7 <sup>J</sup>	<b>515</b>	<u>151</u>	< 1.2	4.4	< 1.2	1.4 <sup>J</sup>	140	
1	MW-2109	2/21/2022		415	25.0 <sup>J</sup>	<b>372</b>	111	< 1.2	4.6	0.50 <sup>J</sup>	3.9 <sup>J</sup>	59.4	
1	MW-2109	3/21/2022		426	19.3 <sup>J</sup>	<b>386</b>	111	< 1.2	4.1	0.71 <sup>J</sup>	6.3	86.7	
1	PZ-2109	12/9/2020		429	84.3	<b>2020</b>	95.6	< 1.2	3.2	2.0 <sup>J</sup>	< 1.2	241	
1	PZ-2109	4/7/2021		415	100	<b>2160</b>	<u>186</u>	< 1.2	3.3	< 1.2	< 1.2	144	
1	PZ-2109	2/21/2022		414	65.5	<b>2190</b>	<u>164</u>	< 1.2	1.7	1.1 <sup>J</sup>	0.82 <sup>J</sup>	116	
1	PZ-2109	3/21/2022		427	85.2	<b>2230</b>	<u>153</u>	< 1.2	1.7	1.2 <sup>J</sup>	1.1 <sup>J</sup>	147	
1	MW-2110	12/15/2020		359	19.3 <sup>J</sup>	<u>189</u>	<b>260</b>	< 1.2	2.9	< 1.2	< 1.2	10.4	
1	MW-2110	4/7/2021		381	17.0 <sup>J</sup>	<u>174</u>	<b>598</b>	< 1.2	2.9	< 1.2	< 1.2	1.9 <sup>J</sup>	
1	MW-2110	2/21/2022		322	< 14.7	<u>136</u>	<b>351</b>	< 1.2	2.8	< 0.39	< 0.25	2.2 <sup>J</sup>	
1	MW-2110	3/21/2022		343	14.9 <sup>J</sup>	109	<b>342</b>	< 1.2	3.2	< 0.39	< 0.25	1.5 <sup>J</sup>	
1	MW-2110	4/27/2022		402	< 15.5	119	<b>603</b>	< 1.2	3	< 0.39	< 0.25	< 0.58	
1	MW-2110	7/25/2022		371 <sup>J-</sup>	< 15.5	<u>169</u> <sup>J+</sup>	<b>374</b>	< 1.2	2.8	< 0.39	< 0.25	< 0.58	
1	PZ-2110	12/8/2020		346	30.5 <sup>J</sup>	<b>512</b>	<b>315</b>	< 1.2 <sup>UJ</sup>	3.5	< 1.2	< 1.2	3.4 <sup>J+</sup>	
1	PZ-2110	4/7/2021		341	19.3 <sup>J</sup>	<b>580</b>	<b>301</b>	< 1.2 <sup>UJ</sup>	2.9	< 1.2	< 1.2	4.7	
1	PZ-2110	2/21/2022		330	17.1 <sup>J</sup>	<b>636</b>	<b>282</b>	< 1.2	2.6	< 0.39	< 0.25	3	
1	PZ-2110	3/21/2022		361	15.7 <sup>J</sup>	<b>654</b>	<b>365</b>	< 1.2	2.6	< 0.39	< 0.25	1.9 <sup>J</sup>	
1	PZ-2110	4/27/2022		364	< 15.5	<b>654</b>	<b>371</b>	< 1.2	2.6	< 0.39	< 0.25	< 0.58	
1	PZ-2110	7/25/2022		323 <sup>J-</sup>	< 15.5	<b>645</b> <sup>J+</sup>	<b>351</b>	< 1.2	2.5	< 0.39	< 0.25	2.2 <sup>J</sup>	

**Table 3B**  
**Select Metals and Geochemical Parameters in Groundwater**  
**Treatment Area 1**  
**Former Kenosha Engine Plant**

		Analyte	Alkalinity, Total as CaCO3	Chemical Oxygen Demand	Chloride	Sulfate	Sulfide	Total organic carbon	Ethane	Ethene	Methane
		ES			250	250					
		PAL			125	125					
		Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/l	ug/l	ug/l
		Diss/Total	T	T	T	T	T	T	N	N	N
Treatment Area	Sample Location	Sample Date									
1	MW-2111	12/11/2020	363	17.0 <sup>J</sup>	38.9	<b>313</b>	< 1.2	4.6	< 1.2	< 1.2	5.1
1	MW-2111	4/8/2021	357	28.2 <sup>J</sup>	54.6	<b>673</b>	< 1.2	5.3	< 1.2	< 1.2	8.1
1	MW-2111	2/24/2022	2760	10600	79.2	93.9	< 1.2	3130	52.2	83.3	200
1	MW-2111	3/23/2022	1360	4240	81.2	10.3	< 1.2	1250	121	194	210
1	MW-2111	4/26/2022	1260 <sup>J-</sup>	2700	40.1 <sup>J+</sup>	<b>1420<sup>J+</sup></b>	< 1.2	851	53.7	58.5	219
1	MW-2111	7/26/2022	1980 <sup>J-</sup>	3860	72.3	< 4.4	< 12.0	1160 <sup>J-</sup>	157	255	247
1	PZ-2111	12/11/2020	271	14.8 <sup>J</sup>	71.5	<b>343</b>	< 1.2	3.5	< 1.2	< 1.2	22.1
1	PZ-2111	4/8/2021	273	< 14.7	84.1	<b>307</b>	< 1.2	2.9	< 1.2	< 1.2	2.7 <sup>J</sup>
1	PZ-2111	2/23/2022	5490	7860	82.6	9.8 <sup>J</sup>	1.6 <sup>J</sup>	5180	26.7	52.1	218
1	PZ-2111	3/23/2022	6390	16800	76.3	< 4.4	1.2 <sup>J</sup>	5390	55.6	132	388
1	PZ-2111	4/26/2022	5730 <sup>J-</sup>	13300	92.7 <sup>J+</sup>	< 4.4	< 1.2	5210	112 <sup>J-</sup>	224 <sup>J-</sup>	2420 <sup>J-</sup>
1	PZ-2111	7/26/2022	3790 <sup>J-</sup>	16500	83.2	< 4.4	< 12.0	2830 <sup>J-</sup>	37.1	46.9	4190
1	MW-2112	12/15/2020	341	39.5 <sup>J</sup>	79.3	<b>284</b>	< 1.2	8	< 1.2	30.2 <sup>J+</sup>	48.5 <sup>J+</sup>
1	MW-2112 DUP	12/15/2020	351	35.0 <sup>J</sup>	78.1	<b>270</b>	< 1.2	7.2	< 1.2	9.8 <sup>J+</sup>	16.2 <sup>J+</sup>
1	MW-2112	4/8/2021	376	26.0 <sup>J</sup>	80.3	<b>253</b>	< 1.2	3.8	< 1.2	11.7	22
1	MW-2112	2/22/2022	301	65.5	53.4	<b>392</b>	2.4 <sup>J</sup>	22.2	0.63 <sup>J</sup>	10.2	103
1	MW-2112	3/21/2022	324	94	56.2	<b>385</b>	1.6 <sup>J</sup>	15.7	0.64 <sup>J</sup>	10.2	65
1	MW-2112	4/26/2022	476 <sup>J-</sup>	285	51.8	<u>179</u>	5.4	106	1.6 <sup>J</sup>	8.1	170
1	MW-2112	7/25/2022	298 <sup>J-</sup>	54.5	70.4 <sup>J+</sup>	<b>392</b>	2.2 <sup>J</sup>	16	2.4 <sup>J</sup>	41.8	793
1	PZ-2112	12/15/2020	422	35.0 <sup>J</sup>	<u>231</u>	<b>840</b>	< 1.2	6.6	< 1.2	< 1.2	1.5 <sup>J</sup>
1	PZ-2112 DUP	12/15/2020	422	35.0 <sup>J</sup>	<u>226</u>	<b>816</b>	< 1.2	6.6	< 1.2	< 1.2	0.70 <sup>J</sup>
1	PZ-2112	4/8/2021	384	28.2 <sup>J</sup>	<u>213</u>	<b>867</b>	< 1.2	5.4	< 1.2	< 1.2	1.9 <sup>J</sup>
1	PZ-2112	2/22/2022	199	< 14.7	43.3	44.9	< 1.2	3.5	< 0.39	0.34 <sup>J</sup>	16.3
1	PZ-2112	3/21/2022	537	18.0 <sup>J</sup>	<u>159</u>	50.1	1.2 <sup>J</sup>	7.8	< 0.39	0.27 <sup>J</sup>	166
1	PZ-2112	4/26/2022	617 <sup>J-</sup>	23.7 <sup>J</sup>	<u>172</u>	18.9 <sup>J</sup>	1.2 <sup>J-</sup>	3.4	< 0.39	< 0.25	929
1	PZ-2112	7/25/2022	542 <sup>J-</sup>	18.0 <sup>J</sup>	<u>189<sup>J+</sup></u>	38.0 <sup>J</sup>	1.8 <sup>J</sup>	3.7	< 0.39	< 0.25	1750

**Table 3B**  
**Select Metals and Geochemical Parameters in Groundwater**  
**Treatment Area 1**  
**Former Kenosha Engine Plant**

		Analyte	Alkalinity, Total as CaCO3	Chemical Oxygen Demand	Chloride	Sulfate	Sulfide	Total organic carbon	Ethane	Ethene	Methane
		ES			250	250					
		PAL			125	125					
		Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/l	ug/l	ug/l
		Diss/Total	T	T	T	T	T	T	N	N	N
Treatment Area	Sample Location	Sample Date									
1	MW-2113	12/14/2020	380	59.7	32.6	<b>308</b>	< 1.2	16.7	3.7 <sup>J</sup>	26.1	570
1	MW-2113	4/8/2021	442	50.7	30.5	<u>245</u>	< 1.2	11.7	3.8 <sup>J</sup>	19.5	1350
1	MW-2113	2/23/2022	551	54.5	86.6	<u>220</u>	< 1.2	16.7	2.1 <sup>J</sup>	55.8	1310
1	MW-2113	3/22/2022	1340	1180	79.2	55	4.4	525	3.5 <sup>J</sup>	121	3500
1	MW-2113	4/26/2022	532 <sup>J-</sup>	175	72	<b>421</b>	3.4 <sup>J</sup>	54.8	5.8	118	3320
1	MW-2113	7/26/2022	532 <sup>J-</sup>	94	52.2	<u>214</u> <sup>J+</sup>	2.2 <sup>J</sup>	20.1 <sup>J-</sup>	3.7 <sup>J</sup>	234	4140
1	PZ-2113	12/14/2020	320	23.7 <sup>J</sup>	<b>262</b>	<b>322</b>	< 1.2	4.5	< 1.2	2.3 <sup>J</sup>	84
1	PZ-2113	4/9/2021	284	21.5 <sup>J</sup>	<b>304</b>	<b>309</b>	< 1.2	3.6	< 1.2	1.5 <sup>J</sup>	40.1
1	PZ-2113	2/24/2022	1430	2020	120	< 4.4	< 1.2	1280	210	631	2670
1	PZ-2113	3/23/2022	2400	5400	<u>192</u>	< 4.4	< 1.2	1660	373	563	2920
1	PZ-2113	4/26/2022	1400 <sup>J-</sup>	2860	<u>184</u>	9.8 <sup>J</sup>	< 1.2 <sup>U</sup>	906	266	771	2600
1	PZ-2113	7/26/2022	1610 <sup>J-</sup>	4040	<b>318</b>	< 4.4	< 12.0	1080 <sup>J-</sup>	506	2030	5410
1	MW-2114	12/14/2020	412	91.1	60.5	31.8	< 1.2	22.8	11.6	< 1.2	1090
1	MW-2114	4/7/2021	465	131	52.4	19.8	< 1.2	26.6	12	2.3 <sup>J</sup>	4400
1	MW-2114	2/21/2022	450	160	86.3	26.2	< 1.2	33.2	25	7.1	1830
1	MW-2114	3/21/2022	468	136	121	60.6	< 1.2	33.8	22.4	7.7	1690
1	MW-2114	4/26/2022	542 <sup>J-</sup>	175	<u>168</u>	<u>193</u>	< 1.2	43.6	22.2	68.6	3460
1	MW-2114	7/25/2022	480 <sup>J-</sup>	131	110 <sup>J+</sup>	55.4	< 1.2	29.7	22.6	4.1 <sup>J</sup>	1480
1	PZ-2114	12/14/2020	213	28.2 <sup>J</sup>	<u>137</u>	110	< 1.2	5.8	< 1.2	< 1.2	2.5 <sup>J</sup>
1	PZ-2114	4/7/2021	176	23.7 <sup>J</sup>	<u>130</u>	<u>151</u>	< 1.2	4.3	< 1.2	< 1.2	1.2 <sup>J</sup>
1	PZ-2114	2/21/2022	152	< 14.7	80.1	87.5	< 1.2	2.7	< 0.39	< 0.25	< 0.58
1	PZ-2114	3/21/2022	179	< 15.5	91.2	109	< 1.2	3	< 0.39	< 0.25	29.7
1	PZ-2114	4/26/2022	217 <sup>J-</sup>	< 14.7	115	<u>167</u>	< 1.2 <sup>U</sup>	3.4	< 0.39	< 0.25	< 0.58
1	PZ-2114	7/25/2022	199 <sup>J-</sup>	39.1 <sup>J</sup>	117 <sup>J+</sup>	<u>177</u>	< 1.2	3.6	< 0.39	< 0.25	58.5
1	MW-61	6/15/2017	397	NA	<b>431</b>	5.7 <sup>J</sup>	NA	1.9 <sup>J</sup>	30.9	244	2720

**Table 3B**  
**Select Metals and Geochemical Parameters in Groundwater**  
**Treatment Area 1**  
**Former Kenosha Engine Plant**

		Analyte	Alkalinity, Total as CaCO3	Chemical Oxygen Demand	Chloride	Sulfate	Sulfide	Total organic carbon	Ethane	Ethene	Methane
		ES			250	250					
		PAL			125	125					
		Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/l	ug/l	ug/l
		Diss/Total	T	T	T	T	T	T	N	N	N
Treatment Area	Sample Location	Sample Date									
1	MW-61	9/13/2017	428	NA	<b>350</b>	25.8	< 1.2	2.5	23.6	195	1870
1	MW-61	3/21/2018	389	NA	<b>551</b>	29.4 <sup>J</sup>	NA	0.94	70	74.1	1390
1	MW-61	12/11/2020	435	17.0 <sup>J</sup>	<u>236</u>	27.4	< 1.2	4.9	21.6	42.9	703
1	MW-61	4/8/2021	373	39.5 <sup>J</sup>	<u>231</u>	67.3	< 1.2	4.9	9.7	37.8	605
1	MW-61	2/23/2022	115	41.3 <sup>J</sup>	10.3 <sup>J</sup>	27	< 1.2	8.5	19.6	3.7 <sup>J</sup>	5780
1	MW-61	3/22/2022	359	17.1 <sup>J</sup>	<b>346</b>	81.8	< 1.2	3.8	114	130	4480
1	MW-61	4/27/2022	299	21.5 <sup>J</sup>	<u>240</u> <sup>J</sup>	65.1	< 1.2	7.8	5.8	8.6 <sup>J</sup>	1240 <sup>J</sup>
1	MW-61	7/25/2022	393 <sup>J-</sup>	54.5	<b>405</b> <sup>J+</sup>	91.7	< 1.2	5	49.9	268	1390 <sup>J</sup>
1	MW-61 DUP	6/15/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA
1	MW-61 DUP	3/21/2018	418	NA	<b>599</b>	32.5 <sup>J</sup>	NA	0.98	82.3	87.2	1240
1	MW-61 DUP	4/27/2022	329	19.3 <sup>J</sup>	<b>335</b> <sup>J</sup>	81.3	< 1.2	8.9	10	19.2 <sup>J</sup>	3250 <sup>J</sup>
1	MW-61 DUP	7/25/2022	412 <sup>J-</sup>	34.7 <sup>J</sup>	<b>402</b> <sup>J+</sup>	94.8	< 1.2	5.1	54.1	288	1890 <sup>J</sup>
1	PZ-61	6/15/2017	1660	NA	<b>1750</b>	< 100	NA	4840	8.3	27.1	279
1	PZ-61	9/13/2017	1320	NA	<b>1020</b>	13.4 <sup>J</sup>	< 1.2	5680	34.8	54	403
1	PZ-61	3/21/2018	1460	NA	<b>360</b>	< 20	NA	2050	9.2	68.9	4460
1	PZ-61	12/11/2020	1150 <sup>J-</sup>	531	<b>1050</b>	< 4.4	< 1.2 <sup>U</sup>	169	11.4	6.5	5760
1	PZ-61	4/7/2021	734	208	<b>391</b>	49.5	< 1.2	37.3	17.6	2.8 <sup>J</sup>	11700
1	PZ-61	2/21/2022	159	17.1 <sup>J</sup>	25.4	38.8	< 1.2	6.8	19.7	14.3	4230
1	PZ-61	3/21/2022	1200	1930	<b>480</b>	< 2.2	2.6 <sup>J</sup>	718	10.8	3.8 <sup>J</sup>	3310
1	PZ-61	4/27/2022	465	553	<b>284</b>	< 2.2	< 1.2	115	18.4	3.3 <sup>J</sup>	11500
1	PZ-61	7/25/2022	720 <sup>J-</sup>	380	<b>710</b> <sup>J+</sup>	< 2.2	< 12.0	85.5	12.9	< 0.25	6550

Notes:

NA = Not Analyzed

mg/L = milligrams per liter

ug/L = micrograms per liter

<sup>U</sup> = Qualified nondetect due to contamination

<sup>J</sup> = Estimated value (+/- indicated the direction of bias)

PAL - Preventive Action Limit, Wisconsin Administrative Code NR 140.10 Table 1, June 2021 exceedances are underlined italics.

ES - Enforcement Standard, Wisconsin Administrative Code NR 140.10 Table 1, June 2021 exceedances are **bold**.

**Table 4A**  
**Detected Volatile Organic Compounds in Groundwater**  
**Treatment Area 2**  
**Former Kenosha Engine Plant**

			Analyte	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	Methylene Chloride	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
			ES	200	850	7	70	5	100	5	0.2
			PAL	40	85	0.7	7	0.5	20	0.5	0.02
			Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Treatment Area	Sample Location	Sample Date									
2	MW-31	5/16/2018		< 5	< 2.4	< 4.1	<u>27</u>	< 2.3	15	<b>807</b>	< 1.8
2	MW-31	10/17/2018		< 0.98	< 1.1	<u>1.3<sup>J</sup></u>	<u>17.9</u>	< 2.3	9.6 <sup>J</sup>	<b>470</b>	< 0.7
2	MW-31	4/16/2019		< 0.24	0.31 <sup>J</sup>	<u>5.4</u>	<b>99.1</b>	< 0.58	<u>70.6</u>	<b>117</b>	<b>0.37<sup>J</sup></b>
2	MW-31	10/9/2019		1.1	< 0.27	< 0.24	1.1	< 0.58	< 1.1	<b>239</b>	< 0.17
2	MW-31	4/15/2020		0.32 <sup>J</sup>	< 0.27	<u>2.2</u>	<u>42.2</u>	< 0.58	<u>26.4</u>	<b>133</b>	< 0.17
2	MW-31	11/4/2020		< 0.24	0.39 <sup>J</sup>	<u>5.6</u>	<b>115</b>	< 0.58	<u>87.5</u>	<b>180</b>	< 0.17
2	MW-31	4/9/2021		< 0.61	< 0.59	<u>4.3</u>	<b>70.7</b>	< 0.64	<u>54.5</u>	<b>92.6</b>	< 0.35
2	MW-31	12/30/2021		< 0.30	< 0.30	< 0.58	< 0.47	<u>1.7<sup>J</sup></u>	< 0.53	< 0.32	< 0.17
2	MW-31	1/31/2022		< 0.30	< 0.30	< 0.58	< 0.47	<u>0.87<sup>J</sup></u>	< 0.53	< 0.32	< 0.17
2	MW-31	2/28/2022		< 0.30	< 0.30	< 0.58	< 0.47	<u>0.70<sup>J</sup></u>	< 0.53	< 0.32	< 0.17
2	MW-31	4/26/2022		< 0.30	< 0.30	< 0.58	< 0.47	< 0.32	< 0.53	< 0.32	< 0.17
2	MW-31	7/26/2022		< 0.30	< 0.30	< 0.58	< 0.47	< 0.32	< 0.53	< 0.32	< 0.17
2	MW-113	5/16/2018		< 0.5	< 0.24	< 0.41	< 0.26	< 0.23	< 0.26	< 0.33	< 0.18
2	MW-113	10/18/2018		< 0.24	< 0.27	< 0.24	< 0.27	< 0.58	< 1.1	< 0.26	< 0.17
2	MW-113	4/16/2019		< 0.24	< 0.27	< 0.24	< 0.27	< 0.58	< 1.1	< 0.26	< 0.17
2	MW-113	10/9/2019		< 0.24	< 0.27	< 0.24	< 0.27	< 0.58	< 1.1	< 0.26	< 0.17
2	MW-113	4/15/2020		< 0.24	< 0.27	< 0.24	< 0.27	< 0.58	< 0.46	< 0.26	< 0.17
2	MW-113	11/4/2020		< 0.24	< 0.27	< 0.24	< 0.27	< 0.58	< 0.46	< 0.26	< 0.17
2	MW-113	4/6/2021		< 0.30	< 0.30	< 0.58	< 0.47	< 0.32	< 0.53	< 0.32	< 0.17
2	MW-113	4/26/2022		< 0.30	< 0.30	< 0.58	< 0.47	< 0.32	< 0.53	< 0.32	< 0.17
2	MW-113	7/26/2022		< 0.30	< 0.30	< 0.58	< 0.47	< 0.32	< 0.53	< 0.32	< 0.17
2	MW-114	4/15/2020		< 0.24	< 0.27	< 0.24	1.6	< 0.58	< 0.46	< 0.26	<b>10.4</b>
2	MW-114	11/4/2020		< 0.24	< 0.27	< 0.24	1.9	< 0.58	< 0.46	< 0.26	<b>12</b>
2	MW-114	4/6/2021		< 0.30	< 0.30	< 0.58	1.5	< 0.32	< 0.53	< 0.32	<b>13.1</b>
2	MW-114	12/30/2021		< 0.30	< 0.30	< 0.58	1.7	< 0.32	< 0.53	< 0.32	<b>18.7</b>
2	MW-114	1/31/2022		< 0.30	< 0.30	< 0.58	1.2	< 0.32	< 0.53	< 0.32	<b>22.2</b>
2	MW-114	2/28/2022		< 0.30	< 0.30	< 0.58	2.6	< 0.32	< 0.53	< 0.32	<b>32</b>
2	MW-114	4/25/2022		< 0.30	< 0.30	< 0.58	6.7	< 0.32	< 0.53	< 0.32	<b>62</b>
2	MW-114	7/26/2022		< 0.30	< 0.30	< 0.58	< 0.47	< 0.32	< 0.53	< 0.32	<b>47.6</b>
2	MW-114 DUP	4/15/2020		< 0.24	< 0.27	< 0.24	1.5	< 0.58	< 0.46	< 0.26	<b>9.9</b>
2	MW-114 DUP	11/4/2020		< 0.24	< 0.27	< 0.24	1.5	< 0.58	< 0.46	< 0.26	<b>10</b>
2	MW-114 DUP	4/6/2021		< 0.30	< 0.30	< 0.58	1.2	< 0.32	< 0.53	< 0.32	<b>12.3</b>

**Table 4A**  
**Detected Volatile Organic Compounds in Groundwater**  
**Treatment Area 2**  
**Former Kenosha Engine Plant**

			Analyte	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	Methylene Chloride	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
			ES PAL Units	200 40 ug/l	850 85 ug/l	7 0.7 ug/l	70 7 ug/l	5 0.5 ug/l	100 20 ug/l	5 0.5 ug/l	0.2 0.02 ug/l
Treatment Area	Sample Location	Sample Date									
2	PZ-118	5/16/2018	< 0.5	< 0.24	< 0.41	4.7	< 0.23	< 0.26	< 0.33	<b>22.1</b>	
2	PZ-118	10/17/2018	< 0.24	< 0.27	< 0.24	5.2	< 0.58	< 1.1	< 0.26	<b>17.3</b>	
2	PZ-118	4/17/2019	< 0.24	< 0.27	< 0.24	2.6	< 0.58	< 1.1	< 0.26	<b>1.8</b>	
2	PZ-118	10/9/2019	< 0.24	< 0.27	< 0.24	3.9	< 0.58	< 1.1	< 0.26	<b>3.7</b>	
2	PZ-118	4/15/2020	< 0.24	< 0.27	< 0.24	<u>12.8</u>	< 0.58	< 0.46	< 0.26	<b>4.5</b>	
2	PZ-118	11/4/2020	< 0.24	< 0.27	< 0.24	<u>13.8</u>	< 0.58	< 0.46	< 0.26	<b>8.8</b>	
2	PZ-118	4/7/2021	< 0.30	< 0.30	< 0.58	6.9	< 0.32	< 0.53	< 0.32	<b>3.1</b>	
2	PZ-118	12/30/2021	< 0.30	< 0.30	< 0.58	6	< 0.32	< 0.53	< 0.32	<b>1.9</b>	
2	PZ-118	1/31/2022	< 0.30	< 0.30	< 0.58	4.4	< 0.32	< 0.53	< 0.32	<b>0.83<sup>J</sup></b>	
2	PZ-118	2/28/2022	< 0.30	< 0.30	< 0.58	2.3	< 0.32	< 0.53	< 0.32	<b>1.9</b>	
2	PZ-118	4/26/2022	< 0.30	< 0.30	< 0.58	2.6	< 0.32	< 0.53	< 0.32	<b>1.6</b>	
2	PZ-118	7/26/2022	< 0.30	< 0.30	< 0.58	2.9	< 0.32	< 0.53	< 0.32	<b>2.4</b>	
2	MW-2201	12/9/2020	< 0.24	9.6	0.53 <sup>J</sup>	<b>289</b>	< 0.58	<u>35.3</u>	<b>16.1</b>	<b>11.6</b>	
2	MW-2201	4/9/2021	< 0.30	< 0.30	< 0.58	< 0.47	< 0.32	< 0.53	<b>5.7</b>	< 0.17	
2	MW-2201	12/30/2021	< 0.30	< 0.30	< 0.58	5.8	< 0.32	< 0.53	< 0.32	<b>1.6</b>	
2	MW-2201	1/31/2022	< 0.30	< 0.30	< 0.58	<u>11.2</u>	< 0.32	< 0.53	< 0.32	<b>3.8</b>	
2	MW-2201	2/28/2022	< 0.30	0.46 <sup>J</sup>	< 0.58	<u>26.3</u>	< 0.32	< 0.53	< 0.32	<b>12.7</b>	
2	MW-2201	4/26/2022	< 0.30	< 0.30	< 0.58	<u>17.6</u>	< 0.32	< 0.53	< 0.32	<b>8.9</b>	
2	MW-2201	7/26/2022	< 0.30	2	< 0.58	<b>357</b>	< 0.32	< 0.53	< 0.32	<b>316</b>	
2	MW-2201 DUP	12/9/2020	< 0.49	8.6	< 0.49	<b>276</b>	< 1.2	<u>32.6</u>	<b>13.1</b>	<b>10.5</b>	
2	MW-2201 DUP	4/9/2021	< 0.30	< 0.30	< 0.58	0.60 <sup>J</sup>	< 0.32	< 0.53	<b>5.6</b>	< 0.17	
2	MW-2201 DUP	12/30/2021	< 0.30	< 0.30	< 0.58	6.3	< 0.32	< 0.53	< 0.32	<b>2.1</b>	
2	MW-2201 DUP	1/31/2022	< 0.30	< 0.30	< 0.58	<u>11</u>	< 0.32	< 0.53	< 0.32	<b>4.2</b>	
2	MW-2201 DUP	2/28/2022	< 0.30	0.41 <sup>J</sup>	< 0.58	<u>25.9</u>	< 0.32	< 0.53	< 0.32	<b>12.1</b>	
2	MW-2201 DUP	4/26/2022	< 0.30	< 0.30	< 0.58	<u>18.1</u>	< 0.32	< 0.53	< 0.32	<b>7.9</b>	
2	MW-2201 DUP	7/26/2022	< 0.61	1.9 <sup>J</sup>	< 1.2	<b>337</b>	< 0.64	1.6 <sup>J</sup>	< 0.64	<b>279</b>	
2	MW-2202	12/8/2020	< 0.24	< 0.27	< 0.24	<u>19.2</u>	< 0.58	2.6	< 0.26	<b>3.5</b>	
2	MW-2202	4/9/2021	< 0.30	< 0.30	< 0.58	<u>9.4</u>	< 0.32	2.2	< 0.32	<b>2.8</b>	
2	MW-2202	12/30/2021	< 0.30	< 0.30	< 0.58	< 0.47	< 0.32	< 0.53	<u>1.7</u>	< 0.17	
2	MW-2202	1/31/2022	< 0.30	< 0.30	< 0.58	1.3	< 0.32	< 0.53	<u>1.5</u>	< 0.17	
2	MW-2202	2/28/2022	< 0.30	< 0.30	< 0.58	1.7	< 0.32	< 0.53	<u>1.2</u>	< 0.17	
2	MW-2202	4/26/2022	< 0.30	< 0.30	< 0.58	< 0.47	< 0.32	< 0.53	<u>1.4</u>	< 0.17	
2	MW-2202	7/26/2022	< 0.30	< 0.30	< 0.58	< 0.47	< 0.32	< 0.53	<u>1.1</u>	< 0.17	

**Table 4A  
Detected Volatile Organic Compounds in Groundwater  
Treatment Area 2  
Former Kenosha Engine Plant**

			Analyte	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	Methylene Chloride	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
			ES	200	850	7	70	5	100	5	0.2
			PAL	40	85	0.7	7	0.5	20	0.5	0.02
			Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Treatment Area	Sample Location	Sample Date									
2	PZ-2202	12/8/2020		< 0.24	< 0.27	< 0.24	<u>19.2</u>	< 0.58	3.9	< 0.26	< 0.17
2	PZ-2202	4/9/2021		< 0.30	< 0.30	< 0.58	2.2	< 0.32	< 0.53	< 0.32	< 0.17
2	PZ-2202	12/30/2021		< 0.30	< 0.30	< 0.58	1.8	< 0.32	0.58 <sup>J</sup>	0.36 <sup>J</sup>	<b>3.6</b>
2	PZ-2202	1/31/2022		< 0.30	< 0.30	< 0.58	1.2	< 0.32	0.63 <sup>J</sup>	< 0.32	<u>2</u>
2	PZ-2202	2/28/2022		< 0.30	< 0.30	< 0.58	0.93 <sup>J</sup>	< 0.32	< 0.53	<u>0.67<sup>J</sup></u>	< 0.17
2	PZ-2202	4/26/2022		< 0.30	< 0.30	< 0.58	0.73 <sup>J</sup>	< 0.32	< 0.53	< 0.32	< 0.17
2	PZ-2202	7/26/2022		< 0.30	< 0.30	< 0.58	< 0.47	< 0.32	< 0.53	< 0.32	< 0.17
2	MW-2203	12/8/2020		< 0.24	< 0.27	< 0.24	< 0.27	< 0.58	< 0.46	< 0.26	< 0.17
2	MW-2203	4/9/2021		< 0.30	0.35 <sup>J</sup>	< 0.58	< 0.47	< 0.32	< 0.53	< 0.32	< 0.17
2	MW-2203	12/30/2021		< 0.30	< 0.30	< 0.58	< 0.47	< 0.32	< 0.53	< 0.32	< 0.17
2	MW-2203	1/31/2022		< 0.30	< 0.30	< 0.58	< 0.47	< 0.32	< 0.53	< 0.32	< 0.17
2	MW-2203	2/28/2022		< 0.30	< 0.30	< 0.58	< 0.47	< 0.32	< 0.53	< 0.32	< 0.17
2	MW-2203	4/26/2022		< 0.30	< 0.30	< 0.58	< 0.47	< 0.32	< 0.53	< 0.32	< 0.17
2	MW-2203	7/26/2022		< 0.30	< 0.30	< 0.58	< 0.47	< 0.32	< 0.53	< 0.32	< 0.17
2	PZ-2203	12/8/2020		< 0.24	< 0.27	< 0.24	< 0.27	< 0.58	< 0.46	< 0.26	< 0.17
2	PZ-2203	4/9/2021		< 0.30	< 0.30	< 0.58	< 0.47	< 0.32	< 0.53	< 0.32	< 0.17
2	PZ-2203	12/30/2021		< 0.30	< 0.30	< 0.58	< 0.47	< 0.32	< 0.53	< 0.32	< 0.17
2	PZ-2203	1/31/2022		< 0.30	< 0.30	< 0.58	< 0.47	< 0.32	< 0.53	< 0.32	< 0.17
2	PZ-2203	2/28/2022		< 0.30	< 0.30	< 0.58	< 0.47	< 0.32	< 0.53	< 0.32	< 0.17
2	PZ-2203	4/26/2022		< 0.30	< 0.30	< 0.58	< 0.47	< 0.32	< 0.53	< 0.32	< 0.17
2	PZ-2203	7/26/2022		< 0.30	< 0.30	< 0.58	< 0.47	< 0.32	< 0.53	< 0.32	< 0.17

Notes:

ug/L = micrograms per liter

= Not Analyzed

<sup>J</sup> = Estimated value (+/- indicated the

<sup>u</sup> = Qualified nondetect due to contamination

PAL - Preventive Action Limit, Wisconsin Administrative Code NR 140.10 Table 1, June 2021 exceedances are underlined italics.

ES - Enforcement Standard, Wisconsin Administrative Code NR 140.10 Table 1, June 2021 exceedances are **bold**.

**Table 4B**  
**Select Metals and Geochemical Parameters in Groundwater**  
**Treatment Area 2**  
**Former Kenosha Engine Plant**

Treatment Area	Sample Location	Sample Date	Analyte	Barium	Chromium	Lead	Nickel	Iron	Iron	Manganese	Manganese	Alkalinity, Total as CaCO3	Chemical Oxygen Demand	Chloride	Sulfate	Sulfide	Total organic carbon	Ethane	Ethene	Methane			
			ES	2	0.1	0.015	0.1	0.3	0.3	0.3	0.3	0.3	NE	NE	250	250	NE	NE	NE	NE	NE	NE	
			PAL	0.4	0.01	0.0015	0.02	0.15	0.15	0.06	0.06	0.06	NE	NE	125	125	NE	NE	NE	NE	NE	NE	NE
			Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/l	ug/l	ug/l	ug/l
Diss/Total	D	D	D	D	D	D	T	D	T	T	T	T	T	T	T	T	T	N	N	N	N		
2	MW-31	12/10/2020		0.026	< 0.0010	< 0.00024	0.001	< 0.058	< 0.058	0.019	0.018	399	19.3 <sup>J</sup>	6	<b>316</b>	< 1.2	6.9	< 1.2	< 1.2	52			
2	MW-31	4/9/2021		0.019	< 0.0010	< 0.00024	< 0.00028	< 0.058	< 0.058	< 0.0012	0.028	406	19.3 <sup>J</sup>	6.6	<b>308</b>	< 1.2	6.5	< 1.2	< 1.2	1.8 <sup>J</sup>			
2	MW-31	12/30/2021		0.19	< 0.0010	< 0.00024	< 0.00028	<b>48.6</b>	<b>54.2</b>	<b>0.42</b>	<b>0.52</b>	928	1770	120	15.1 <sup>J</sup>	< 1.2	628	35.1	44.8	244			
2	MW-31	1/31/2022		0.35	< 0.0010	< 0.00024	< 0.00028	<b>36.9</b>	<b>36.1</b>	<u>0.23</u>	<u>0.22</u>	944	1300	115	< 4.4	< 1.2	487	32	40.2	224			
2	MW-31	2/28/2022		<u>0.48</u>	< 0.0010	< 0.00024	< 0.00028	<b>36.2</b>	<b>37</b>	<u>0.15</u>	<u>0.16</u>	855	1110	124	< 2.2	< 1.2	382	34.7	42.5	829			
2	MW-31	4/26/2022		0.23	< 0.0010	< 0.00024	0.00061 <sup>J</sup>	<b>54.8</b>	<b>54</b>	<b>1.8</b>	<b>1.7</b>	753 <sup>J-</sup>	412	28.7	<u>148</u>	< 1.2	141	6.9	8.2	1100			
2	MW-31	7/26/2022		<u>0.45</u>	< 0.0010	< 0.00024	< 0.00028	<b>18</b>	<b>18.7</b>	<u>0.12</u>	<u>0.13</u>	705	808	<u>154<sup>J+</sup></u>	< 2.2	< 1.2	288	58.2	66.5	4760			
2	MW-2201	12/9/2020		0.05	< 0.0010	< 0.00024	0.00036 <sup>J</sup>	<b>3.7</b>	<b>3.6</b>	<u>0.23</u>	<u>0.23</u>	365	< 14.7	33.6	<u>249</u>	< 1.2	4.4	< 1.2	< 1.2	49.8			
2	MW-2201	4/9/2021		0.033	< 0.0010	< 0.00024	0.0027	< 0.058	< 0.058	0.011 <sup>J</sup>	0.0066 <sup>J</sup>	431	23.7 <sup>J</sup>	31.8	<b>303</b>	< 1.2	7.7	< 1.2	< 1.2	< 0.66			
2	MW-2201	12/30/2021		0.084	< 0.0010	< 0.00024	< 0.00028	<b>28.4</b>	<b>28.4</b>	<u>0.17</u>	<u>0.16</u>	592	98.4	65.4	<u>152</u>	< 1.2	35.7	16.4	22.5	211			
2	MW-2201	1/31/2022		0.077	< 0.0010	< 0.00024	< 0.00028	<b>11.1</b>	<b>10.8</b>	0.048	0.05	483	197	75.7	31.1	< 1.2	73.3	10.1	22	311			
2	MW-2201	2/28/2022		0.08	< 0.0010	< 0.00024	< 0.00028	<b>10.8</b>	<b>11.6</b>	<u>0.07</u>	<u>0.1</u>	562	500	86	26.6	< 1.2	172	25.1	51.7	196			
2	MW-2201	4/26/2022		0.044	< 0.0010	< 0.00024	0.0023	<b>20.1</b>	<b>20.5</b>	<u>0.13</u>	<u>0.12</u>	508 <sup>J-</sup>	25.9 <sup>J</sup>	54.5	<b>278</b>	< 1.2	6.4	1.4 <sup>J</sup>	2.6 <sup>J</sup>	127 <sup>J</sup>			
2	MW-2201	7/26/2022		0.066	< 0.0010	< 0.00024	< 0.00028	<b>6.2</b>	<b>6.2</b>	0.031	0.032	589 <sup>J-</sup>	274	86.8 <sup>J+</sup>	28.1 <sup>J+</sup>	< 1.2	91	15.5	354	1040			
2	W-2201 DL	12/9/2020		0.05	0.0014 <sup>J</sup>	< 0.00024	0.00076 <sup>J</sup>	<b>3.9</b>	<b>3.7</b>	<u>0.22</u>	<u>0.22</u>	350	20.3 <sup>J</sup>	35.7	<u>249</u>	< 1.2	4.6	< 1.2	< 1.2	45.5			
2	W-2201 DL	4/9/2021		0.033	< 0.0010	< 0.00024	0.0026	< 0.058	<u>0.16<sup>J</sup></u>	0.0092	0.008	432	19.3 <sup>J</sup>	31.7	<b>301</b>	< 1.2	7.7	< 1.2	< 1.2	0.79 <sup>J</sup>			
2	W-2201 DL	12/30/2021		0.086	< 0.0010	< 0.00024	< 0.00028	<b>28.3</b>	<b>30</b>	<u>0.17</u>	<u>0.17</u>	605	103	65.2	<u>152</u>	< 1.2	41.8	15.6	21.5	195			
2	W-2201 DL	1/31/2022		0.075	< 0.0010	< 0.00024	< 0.00028	<b>11.1</b>	<b>10.8</b>	0.046	0.046	490	197	75.6	28.6	< 1.2	72.9	14.2	30.5	205			
2	W-2201 DL	2/28/2022		0.078	0.0018 <sup>J</sup>	< 0.00024	< 0.00028	<b>11.5</b>	<b>11.8</b>	0.058	<u>0.076</u>	564	490	87.3	20	< 1.2	168	23.1	48.9	385			
2	W-2201 DL	4/26/2022		0.044	< 0.0010	< 0.00024	0.0022	<b>20.1</b>	<b>22.7</b>	<u>0.13</u>	<u>0.12</u>	577 <sup>J-</sup>	28.1 <sup>J</sup>	56	<b>277</b>	< 1.2	6	1.1 <sup>J</sup>	2.0 <sup>J</sup>	91.6 <sup>J</sup>			
2	W-2201 DL	7/26/2022		0.063	< 0.0010	< 0.00024	< 0.00028	<b>5.9</b>	<b>6.2</b>	0.029	0.03	583 <sup>J-</sup>	287	86.5 <sup>J+</sup>	28.2 <sup>J+</sup>	< 1.2	95.7	17.3	432	1290			
2	MW-2202	12/8/2020		0.077	< 0.0010	< 0.00024	0.0015	<b>1.5<sup>J+</sup></b>	<b>6.1</b>	<u>0.15</u>	<u>0.18</u>	401	< 14.7	30.3	<u>226</u>	< 1.2	3.1	< 1.2	< 1.2	143			
2	MW-2202	4/9/2021		0.053	< 0.0010	< 0.00024	0.0015	<b>0.78</b>	<b>1.5</b>	<u>0.15</u>	<u>0.15</u>	405	< 15.5	27.4	<u>233</u>	< 1.2	2.8	< 1.2	< 1.2	157			
2	MW-2202	12/30/2021		0.035	< 0.0010	< 0.00024	0.0052	0.073 <sup>J</sup>	<b>1.5</b>	<u>0.14</u>	<u>0.14</u>	590	65.5	11.2	<b>598</b>	< 1.2	21.8	< 0.39	< 0.25	2.9			
2	MW-2202	1/31/2022		0.032	< 0.0010	< 0.00024	0.00093 <sup>J</sup>	<b>2.7</b>	<b>3.6</b>	<b>0.63</b>	<b>0.64</b>	678	197	12.2	<b>451</b>	< 1.2	73.2	1.3 <sup>J</sup>	0.70 <sup>J</sup>	26.5			
2	MW-2202	2/28/2022		0.031	< 0.0010	< 0.00024	0.00059 <sup>J</sup>	<b>1.3</b>	<b>2.3</b>	<b>0.43</b>	<b>0.43</b>	647	138	12.4	<b>483</b>	1.6 <sup>J</sup>	26.6	< 0.39	< 0.25	41.5			
2	PZ-2202	12/8/2020		0.057	< 0.0010	< 0.00024	0.00075 <sup>J</sup>	<b>1.2<sup>J+</sup></b>	<b>1</b>	<u>0.06</u>	<u>0.063</u>	351	< 14.7	<u>126</u>	<b>252</b>	< 1.2 <sup>UU</sup>	2.6	< 1.2	< 1.2	174			
2	PZ-2202	4/9/2021		0.076	< 0.0010	< 0.00024	0.00083 <sup>J</sup>	<b>0.57</b>	<b>0.84</b>	<u>0.081</u>	<u>0.095</u>	360	14.8 <sup>J</sup>	<u>189</u>	<u>240</u>	< 1.2	2.5	< 1.2	< 1.2	170			
2	PZ-2202	12/30/2021		0.22	< 0.0010	< 0.00024	< 0.00028	<b>102</b>	<b>112</b>	<b>0.34</b>	<b>0.35</b>	918	1730	101	119	< 1.2	498	5.1 <sup>J</sup>	6	414			
2	PZ-2202	1/31/2022		0.29	< 0.0020	< 0.00047	< 0.00057	<b>157</b>	<b>166</b>	<b>0.5</b>	<b>0.48</b>	924	1560	<u>130</u>	73.1	< 1.2	486	18	14.2	3320			
2	PZ-2202	2/28/2022		0.24	< 0.0020	< 0.00047	< 0.00057	<b>222</b>	<b>239</b>	<b>0.48</b>	<b>0.51</b>	1080	1930	<u>157</u>	19.7 <sup>J</sup>	< 1.2	634	35.6	31	4170			



**Table 4B**  
**Select Metals and Geochemical Parameters in Groundwater**  
**Treatment Area 2**  
**Former Kenosha Engine Plant**

		Analyte	Barium	Chromium	Lead	Nickel	Iron	Iron	Manganese	Manganese	Alkalinity, Total as CaCO3	Chemical Oxygen Demand	Chloride	Sulfate	Sulfide	Total organic carbon	Ethane	Ethene	Methane
		ES	2	0.1	0.015	0.1	0.3	0.3	0.3	0.3	NE	NE	250	250	NE	NE	NE	NE	NE
		PAL	0.4	0.01	0.0015	0.02	0.15	0.15	0.06	0.06	NE	NE	125	125	NE	NE	NE	NE	NE
		Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/l	ug/l	ug/l
		Diss/Total	D	D	D	D	D	T	D	T	T	T	T	T	T	T	N	N	N
Treatment Area	Sample Location	Sample Date																	
2	MW-2203	12/8/2020	0.052	0.0011 <sup>J</sup>	< 0.00024	0.019	<b>0.68</b>	<b>0.86</b>	<u>0.24</u>	<u>0.22</u>	436	26.0 <sup>J</sup>	11.8	<b>501</b>	< 1.2 <sup>UJ</sup>	8.5	< 1.2	< 1.2	8.6
2	MW-2203	4/9/2021	0.029	< 0.0010	< 0.00024	0.0038	0.095 <sup>J</sup>	0.083 <sup>J</sup>	<u>0.12</u>	<u>0.12</u>	342 <sup>J</sup>	28.2 <sup>J</sup>	7.6 <sup>J</sup>	<b>466</b>	< 1.2	7.6	< 1.2	< 1.2	7.1
2	MW-2203	12/30/2021	0.036	< 0.0010	< 0.00024	0.0031	<u>0.22</u> <sup>J</sup>	<u>0.19</u> <sup>J</sup>	<u>0.17</u>	<u>0.17</u>	402	25.0 <sup>J</sup>	8.3	<b>382</b>	< 1.2	7.9	< 0.39	< 0.25	2.6 <sup>J</sup>
2	MW-2203	1/31/2022	0.032	< 0.0010	< 0.00024	0.0025	< 0.058	0.090 <sup>J</sup>	0.034	0.046	390	25.0 <sup>J</sup>	8.2	<b>377</b>	< 1.2	8.9	< 0.39	< 0.25	< 0.58
2	MW-2203	2/28/2022	0.03	< 0.0010	< 0.00024	0.003	< 0.058	< 0.058	0.017	0.018	426	22.7 <sup>J</sup>	10.9	<b>380</b>	< 1.2	7.8	< 0.39	< 0.25	< 0.58
2	PZ-2203	12/8/2020	0.13	< 0.0010	< 0.00024	0.0033	< 0.058	<b>0.61</b> <sup>J+</sup>	0.055	<u>0.06</u>	338	17.0 <sup>J</sup>	117	<u>233</u>	< 1.2 <sup>UJ</sup>	4	< 1.2	< 1.2	< 1.6 <sup>U</sup>
2	PZ-2203	4/9/2021	0.11	< 0.0010	< 0.00024	0.0019	< 0.058	< 0.058	<u>0.093</u>	<u>0.095</u>	322	< 15.5	114	<u>242</u>	< 1.2	3	< 1.2	< 1.2	6.1
2	PZ-2203	12/30/2021	0.09	< 0.0010	< 0.00024	0.0023	0.077 <sup>J</sup>	0.13 <sup>J</sup>	<u>0.092</u>	<u>0.11</u>	311	< 14.7	109	<u>204</u>	< 1.2	3.2	< 0.39	< 0.25	39.9
2	PZ-2203	1/31/2022	0.082	< 0.0010	< 0.00024	0.002	< 0.058	< 0.058	0.027	0.034	324	< 14.7	103	<u>189</u>	< 1.2	3.3	< 0.39	< 0.25	< 0.58
2	PZ-2203	2/28/2022	0.074	< 0.0010	0.00030 <sup>J</sup>	0.0019	< 0.058	< 0.058	0.0038 <sup>J</sup>	0.019	342	< 14.7	121	<u>223</u>	< 1.2	3	< 0.39	< 0.25	< 0.58

Notes:

mg/L = milligrams per liter

ug/L = micrograms per liter

NA = Not Analyzed

NE = Not Established

<sup>J</sup> = Estimated value (+/- indicated the direction of bias)

<sup>U</sup> = Qualified nondetect due to contamination

PAL - Preventive Action Limit, Wisconsin Administrative Code NR 140.10 Table 1, February 2021 exceedances are underlined italics.

ES - Enforcement Standard, Wisconsin Administrative Code NR 140.10 Table 1, February 2021 exceedances are **bold**.

**Table 5A**  
**Detected Volatile Organic Compounds in Groundwater**  
**Treatment Area 3**  
**Former Kenosha Engine Plant**

		Analyte	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Benzene	Chloroethane	cis-1,2-Dichloroethene	Methylene Chloride	Methyl-tert-butyl-ether	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
		ES	200	850	7	5	400	70	5	60	800	100	5	0.2
		PAL	40	85	0.7	0.5	80	7	0.5	12	160	20	0.5	0.02
		Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Treatment Area	Sample Location	Sample Date												
3	MW-2301	12/7/2020	< 0.24	< 0.27	<b>11</b>	< 0.25	< 1.3	<b>1270</b>	< 0.58	< 1.2	< 0.27	<b>316</b>	<b>285</b>	<b>2.2</b> <sup>J+</sup>
3	MW-2301	4/9/2021	< 3.0	< 3.0	< 5.8	< 3.0	< 13.8	<b>717</b>	< 3.2	< 11.3	< 2.9	<b>172</b>	<b>146</b>	< 1.7
3	MW-2301	11/20/2021	< 0.61	< 0.59	< 1.2	< 0.59	< 2.8	< 0.94	< 0.64	< 2.3	< 0.58	< 1.1	<u>0.65</u> <sup>J</sup>	< 0.35
3	MW-2301	12/22/2021	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	<u>0.60</u> <sup>J</sup>	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	<b>0.66</b> <sup>J</sup>
3	MW-2301	1/24/2022	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	<u>0.83</u> <sup>J</sup>	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	<b>0.71</b> <sup>J</sup>
3	MW-2301	4/26/2022	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	< 0.47	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	<b>0.64</b> <sup>J</sup>
3	MW-2301	7/26/2022	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	< 0.47	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	< 0.17 <sup>UJ</sup>
3	MW-2301 DUP	4/9/2021	< 3.0	< 3.0	< 5.8	< 3.0	< 13.8	<b>716</b>	< 3.2	< 11.3	< 2.9	<b>165</b>	<b>145</b>	< 1.7
3	MW-2301 DUP	1/24/2022	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	<u>0.93</u> <sup>J</sup>	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	<b>0.72</b> <sup>J</sup>
3	MW-2301 DUP	4/26/2022	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	<u>0.48</u> <sup>J</sup>	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	<b>0.71</b> <sup>J</sup>
3	MW-2301 DUP	7/26/2022	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	<u>0.79</u> <sup>J</sup>	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	<b>2.1</b> <sup>J</sup>
3	PZ-2301	12/7/2020	< 0.24	< 0.27	< 0.24	<u>2.4</u>	< 1.3	<u>0.51</u> <sup>J</sup>	< 0.58	< 1.2	<b>1.2</b>	< 0.46	< 0.26	< 0.80 <sup>U</sup>
3	PZ-2301	4/9/2021	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	< 0.47	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	< 0.17
3	PZ-2301	11/20/2021	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	< 0.47	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	< 0.17
3	PZ-2301	12/22/2021	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	< 0.47	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	< 0.17
3	PZ-2301	1/24/2022	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	< 0.47	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	< 0.17
3	PZ-2301	4/26/2022	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	< 0.47	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	< 0.17
3	PZ-2301	7/26/2022	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	< 0.47	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	< 0.17
3	PZ-2301 DUP	4/9/2021	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	< 0.47	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	< 0.17
3	PZ-2301 DUP	1/24/2022	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	< 0.47	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	< 0.17
3	PZ-2301 DUP	4/26/2022	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	< 0.47	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	< 0.17
3	PZ-2301 DUP	7/26/2022	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	< 0.47	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	< 0.17
3	MW-2302	12/7/2020	<u>0.43</u> <sup>J</sup>	47.9	< 0.24	<u>0.42</u> <sup>J</sup>	19.1	<u>17.2</u>	<b>25.3</b>	< 1.2	< 0.27	<u>0.70</u> <sup>J</sup>	<u>0.38</u> <sup>J</sup>	<b>4.9</b>
3	MW-2302	4/9/2021	3.2	14.2	< 0.58	< 0.30	9.1	<u>17.9</u>	<b>9.6</b>	< 1.1	< 0.29	<u>0.73</u> <sup>J</sup>	<u>3.9</u>	<b>4.6</b>
3	MW-2302	11/20/2021	<u>0.44</u> <sup>J</sup>	8.6	< 0.58	< 0.30	20.3	5	<u>3.8</u> <sup>J</sup>	< 1.1	< 0.29	< 0.53	<u>1.4</u>	<b>3.8</b>
3	MW-2302	12/22/2021	1.1	7	< 0.58	< 0.30	<u>2.6</u> <sup>J</sup>	2.8	<u>2.5</u> <sup>J</sup>	< 1.1	< 0.29	< 0.53	<u>2.6</u>	<b>1.5</b>
3	MW-2302	1/24/2022	<u>0.64</u> <sup>J</sup>	11.9	< 0.58	< 0.30	5.9	5	<u>3.6</u> <sup>J</sup>	< 1.1	< 0.29	< 0.53	<u>2.2</u>	<b>2.5</b>
3	MW-2302	4/27/2022	2.7	12	< 0.58	< 0.30	< 1.4	<u>19.2</u>	<b>12</b>	< 1.1	< 0.29	< 0.53	<b>6.1</b>	<b>0.75</b> <sup>J</sup>
3	MW-2302	7/26/2022	1.7	83.2	< 0.58	<u>0.51</u> <sup>J</sup>	17.3	<u>26.9</u>	<b>93.5</b>	< 1.1	< 0.29	<u>0.67</u> <sup>J</sup>	<u>4</u>	<b>22.8</b>

**Table 5A**  
**Detected Volatile Organic Compounds in Groundwater**  
**Treatment Area 3**  
**Former Kenosha Engine Plant**

		Analyte	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	Benzene	Chloroethane	cis-1,2-Dichloroethene	Methylene Chloride	Methyl-tert-butyl-ether	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
		ES	200	850	7	5	400	70	5	60	800	100	5	0.2
		PAL	40	85	0.7	0.5	80	7	0.5	12	160	20	0.5	0.02
		Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Treatment Area	Sample Location	Sample Date												
3	PZ-2302	12/7/2020	< 0.24	0.47 <sup>J</sup>	< 0.24	< 0.25	< 1.3	< 0.27	< 0.58	< 1.2	< 0.27	< 0.46	< 0.26	<b>5.7</b>
3	PZ-2302	4/9/2021	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	< 0.47	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	<b>3.8</b>
3	PZ-2302	11/20/2021	< 0.30	0.45 <sup>J</sup>	< 0.58	< 0.30	< 1.4	< 0.47	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	<b>0.34<sup>J</sup></b>
3	PZ-2302	12/22/2021	< 0.30	0.43 <sup>J</sup>	< 0.58	< 0.30	< 1.4	< 0.47	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	<b>0.35<sup>J</sup></b>
3	PZ-2302	1/24/2022	< 0.30	0.54 <sup>J</sup>	< 0.58	< 0.30	< 1.4	< 0.47	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	< 0.17
3	PZ-2302	4/27/2022	< 0.30	0.39 <sup>J</sup>	< 0.58	< 0.30	< 1.4	< 0.47	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	< 0.17
3	PZ-2302	7/26/2022	< 0.30	0.43 <sup>J</sup>	< 0.58	< 0.30	< 1.4	< 0.47	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	< 0.17
3	MW-2303	12/8/2020	0.63 <sup>J</sup>	1.9 <sup>J</sup>	<u>1.5<sup>J</sup></u>	< 0.49	< 2.7	<b>279</b>	< 1.2	< 2.5	< 0.54	<u>23.7</u>	<b>241</b>	<b>12.4</b>
3	MW-2303	4/9/2021	1.1 <sup>J</sup>	2.5	< 1.2	< 0.59	< 2.8	<b>109</b>	< 0.64	4.6 <sup>J</sup>	< 0.58	8.6	<b>141</b>	<b>39.4</b>
3	MW-2303	11/20/2021	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	2.8	< 0.32	< 1.1	< 0.29	< 0.53	0.42 <sup>J</sup>	<b>5.1</b>
3	MW-2303	12/22/2021	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	1	< 0.32	< 1.1	< 0.29	< 0.53	<u>0.54<sup>J</sup></u>	<b>2.2</b>
3	MW-2303	1/24/2022	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	2.2	< 0.32	< 1.1	< 0.29	< 0.53	<u>0.82<sup>J</sup></u>	<b>3.6</b>
3	MW-2303	4/27/2022	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	2	< 0.32	< 1.1	< 0.29	< 0.53	0.44 <sup>J</sup>	<b>5.3</b>
3	MW-2303	7/26/2022	< 0.30	1.2	< 0.58	< 0.30	< 1.4	<u>10.4</u>	< 0.32	< 1.1	< 0.29	< 0.53	0.44 <sup>J</sup>	<b>63.7</b>
3	PZ-2303	12/8/2020	< 0.24	< 0.27	< 0.24	< 0.25	< 1.3	4.6	< 0.58	< 1.2	< 0.27	< 0.46	< 0.26	<b>8.7</b>
3	PZ-2303	4/9/2021	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	<u>9</u>	< 0.32	<u>30.3</u>	< 0.29	< 0.53	< 0.32	<b>13.4</b>
3	PZ-2303	11/20/2021	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	< 0.47	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	<b>3</b>
3	PZ-2303	12/22/2021	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	< 0.47	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	<b>2.6</b>
3	PZ-2303	1/24/2022	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	< 0.47	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	<b>2.6</b>
3	PZ-2303	4/27/2022	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	< 0.47	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	<b>4.2</b>
3	PZ-2303	7/26/2022	< 0.30	< 0.30	< 0.58	< 0.30	< 1.4	< 0.47	< 0.32	< 1.1	< 0.29	< 0.53	< 0.32	<b>1.1</b>

Notes:

ug/L = micrograms per liter

NA = Not Analyzed

<sup>J</sup> = Estimated

<sup>U</sup> = Qualified nondetect due to contamination

PAL - Preventive Action Limit, Wisconsin Administrative Code NR 140.10 Table 1, June 2021 exceedances are underlined italics.

ES - Enforcement Standard, Wisconsin Administrative Code NR 140.10 Table 1, June 2021 exceedances are **bold**.

**Table 5B**  
**Select Metals and Geochemical Parameters in Groundwater**  
**Treatment Area 3**  
**Former Kenosha Engine Plant**

Treatment Area	Sample Location	Sample Date	Analyte	Barium	Chromium	Lead	Nickel	Iron	Iron	Manganese	Manganese	Alkalinity, Total as CaCO3	Chemical Oxygen Demand	Chloride	Sulfate	Sulfide	Total organic carbon	Ethane	Ethene	Methane		
			ES	2	0.1	0.015	0.1	0.3	0.3	0.3	0.3	NE	NE	250	250	NE	NE	NE	NE	NE	NE	NE
			PAL	0.4	0.01	0.0015	0.02	0.15	0.15	0.06	0.06	NE	NE	125	125	NE	NE	NE	NE	NE	NE	NE
			Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/l	ug/l	ug/l
Diss/Total	D	D	D	D	D	D	T	D	T	T	T	T	T	T	T	T	T	T	T	T	T	
3	MW-2301	12/7/2020	0.072	0.0028 <sup>J</sup>	< 0.00024	0.0014	<b>0.94</b>	<b>0.89</b>	<u>0.19</u>	<u>0.17</u>	369	< 14.7	10.4	94.7	< 1.2 <sup>UJ</sup>	2.5	< 1.2	< 1.2	< 1.8 <sup>U</sup>			
3	MW-2301	4/9/2021	0.073	< 0.0010	< 0.00024	0.0074	<b>0.53</b>	<b>0.61</b>	<u>0.14</u>	<u>0.14</u>	452	< 14.7	13.1	87.3	< 1.2	2.3	< 1.2	< 1.2	< 0.66			
3	MW-2301	11/20/2021	0.37	< 0.0010	< 0.00024	< 0.00028	<b>132</b>	<b>131</b>	<u>0.8</u>	<u>0.77</u>	1700	3920	45.2	< 2.2	< 12.0	1710	14.4	28.3	257			
3	MW-2301	12/22/2021	0.15	< 0.0020	< 0.00047	< 0.00057	<b>31.4</b>	<b>33.8</b>	<u>0.099</u>	<u>0.1</u>	771	1120	54.6	< 2.2	< 1.2	388	20.4	33	405			
3	MW-2301	1/24/2022	0.14	< 0.0010	< 0.00024	< 0.00028	<b>22.5</b>	<b>22.9</b>	<u>0.12</u>	<u>0.12</u>	766	997	43.6	8.3 <sup>J</sup>	< 1.2	374	31.6	46.9	1800			
3	MW-2301	4/26/2022	0.055	< 0.0010	< 0.00024	< 0.00028	<b>15.8</b>	<b>13.8</b>	<u>0.062</u>	0.052	373 <sup>J-</sup>	43.5 <sup>J</sup>	29.3	92.2	< 1.2	10.6	27	34.7	2950			
3	MW-2301	7/26/2022	0.070 <sup>J</sup>	< 0.0010	< 0.00024	< 0.00028	<b>0.71<sup>J</sup></b>	<b>18.5<sup>J</sup></b>	<u>0.14<sup>J</sup></u>	<u>0.071<sup>J</sup></u>	178 <sup>J-</sup>	105	14.0 <sup>J+</sup>	10.5 <sup>J+</sup>	1.6 <sup>J</sup>	13.3	62.5	72.9	6220			
3	MW-2301 DUP	4/9/2021	0.075	< 0.0010	< 0.00024	0.0064	<b>0.64</b>	<b>0.65</b>	<u>0.15</u>	<u>0.14</u>	451	< 14.7	12.3	85.7	< 1.2	2.4	< 1.2	< 1.2	< 0.66			
3	MW-2301 DUP	1/24/2022	0.15	< 0.0010	< 0.00024	< 0.00028	<b>22.8</b>	<b>24.4</b>	<u>0.12</u>	<u>0.12</u>	790	993	43.1	7.2 <sup>J</sup>	< 1.2	377	33.1	48.9	1420			
3	MW-2301 DUP	4/26/2022	0.054	< 0.0010	< 0.00024	0.00066 <sup>J</sup>	<b>15</b>	<b>14.1</b>	0.058	0.052	420 <sup>J-</sup>	25.9 <sup>J</sup>	29	87.1	< 1.2	11.4	32.9	42	2880			
3	MW-2301 DUP	7/26/2022	0.058 <sup>J</sup>	< 0.0010	< 0.00024	< 0.00028	<u>0.18<sup>J</sup></u>	<u>9.2<sup>J</sup></u>	<u>0.073<sup>J</sup></u>	0.033 <sup>J</sup>	188	89.6	13.9 <sup>J+</sup>	10.9 <sup>J+</sup>	< 1.2	13.8	58.4	67.9	5590			
3	PZ-2301	12/7/2020	0.093	0.0013 <sup>J</sup>	< 0.00024	0.0032	< 0.058	<b>2.2</b>	<u>0.18</u>	<u>0.18</u>	338	17.0 <sup>J</sup>	64	<u>130</u>	< 1.2 <sup>UJ</sup>	3.9	< 1.2	5.3	32.3			
3	PZ-2301	4/9/2021	0.053	< 0.0010	< 0.00024	0.0012	<u>0.16<sup>J</sup></u>	0.13 <sup>J</sup>	<u>0.077</u>	<u>0.069</u>	310	< 14.7	52.2	117	< 1.2	3.2	< 1.2	< 1.2	8.5			
3	PZ-2301	11/20/2021	0.094	< 0.0010	< 0.00024	< 0.00028	<b>51.8</b>	<b>54.9</b>	<u>0.2</u>	<u>0.21</u>	804	2690	38.3	23.5	< 12.0	900	9.7	16.8	318			
3	PZ-2301	12/22/2021	0.37	< 0.0010	< 0.00024	< 0.00028	<b>43.9</b>	<b>37.4</b>	<u>0.21</u>	<u>0.17</u>	581	1050	27	12.9	< 1.2	351	5.0 <sup>J</sup>	6.9	649			
3	PZ-2301	1/24/2022	0.25	< 0.0010	< 0.00024	< 0.00028	<b>6.4</b>	<b>10.3</b>	<u>0.091</u>	<u>0.091</u>	466	615	26.9	11.9	< 1.2	226	6.9	8.6	1100			
3	PZ-2301	4/26/2022	0.14	< 0.0010	< 0.00024	< 0.00028	0.083 <sup>J</sup>	<b>0.66</b>	0.014 <sup>J</sup>	0.011 <sup>J</sup>	308 <sup>J-</sup>	342	25.7	3.8 <sup>J</sup>	< 1.2	160 <sup>J</sup>	12	12.3	4850			
3	PZ-2301	7/26/2022	0.055	< 0.0010	< 0.00024	0.00047 <sup>J</sup>	0.079 <sup>J</sup>	<u>0.22<sup>J</sup></u>	< 0.0035 <sup>U</sup>	< 0.0041 <sup>U</sup>	164 <sup>J-</sup>	114	24.9	26.0 <sup>J+</sup>	< 1.2	43.9 <sup>J-</sup>	7.3	5.9	1730			
3	PZ-2301 DUP	4/9/2021	0.055	< 0.0010	< 0.00024	0.0012	0.14 <sup>J</sup>	<u>0.15<sup>J</sup></u>	<u>0.076</u>	<u>0.081</u>	315	< 14.7	52.4	113	< 1.2	3.5	< 1.2	< 1.2	8.2			
3	PZ-2301 DUP	1/24/2022	0.26	0.0033 <sup>J</sup>	< 0.00024	< 0.00028	<b>7</b>	<b>10.6</b>	<u>0.093</u>	<u>0.092</u>	459	632	27.6	11.4	< 1.2	220	7	8.7	1040			
3	PZ-2301 DUP	4/26/2022	0.16	< 0.0010	< 0.00024	0.00055 <sup>J</sup>	0.12 <sup>J</sup>	<b>0.72</b>	0.017 <sup>J</sup>	0.010 <sup>J</sup>	340 <sup>J-</sup>	371	26.3	3.3 <sup>J</sup>	< 1.2	234 <sup>J</sup>	10.4	10.6	4860			
3	PZ-2301 DUP	7/26/2022	0.058	< 0.0010	< 0.00024	< 0.00028	0.061 <sup>J</sup>	<u>0.21<sup>J</sup></u>	< 0.0027 <sup>U</sup>	0.0049 <sup>J+</sup>	186 <sup>J-</sup>	151	24.7	26.2 <sup>J+</sup>	< 1.2	38.3 <sup>J-</sup>	8.2	6.5	2320			
3	MW-2302	12/7/2020	0.05	0.0063	< 0.00024	0.0011	<b>0.85<sup>J+</sup></b>	<b>1.6</b>	<u>0.11</u>	<u>0.11</u>	733	107	28.1	60.1	< 1.2 <sup>UJ</sup>	22.9	20.2	2.0 <sup>J</sup>	1920			
3	MW-2302	4/9/2021	0.034	0.0073	< 0.00024	0.0016	<b>0.53</b>	<b>0.57</b>	<u>0.078</u>	<u>0.079</u>	548	100	24.3	60.5	< 1.2	35.1	6	< 1.2	1930			
3	MW-2302	11/20/2021	0.061	0.0095	< 0.00024	0.00073 <sup>J</sup>	<b>1.3</b>	<b>1.5</b>	<u>0.075</u>	<u>0.074</u>	629	92	72.3	<b>385</b>	< 1.2	22.3	39.1	3.0 <sup>J</sup>	9000			
3	MW-2302	12/22/2021	0.07	0.0065	< 0.00024	0.0013	<b>1.8</b>	<b>2.2</b>	<u>0.12</u>	<u>0.12</u>	555	74.2	60.9	<b>551</b>	< 1.2	19.3	27.3	2.2 <sup>J</sup>	5850			
3	MW-2302	1/24/2022	0.053	0.0094	< 0.00024	0.00095 <sup>J</sup>	<b>1.3</b>	<b>1.4</b>	<u>0.065</u>	<u>0.064</u>	659	99	72.2	<b>386</b>	< 1.2	23	25.8	1.7 <sup>J</sup>	10000			
3	PZ-2302	12/7/2020	0.18	0.0028 <sup>J</sup>	< 0.00024	0.0022	<b>0.96</b>	<b>1.8</b>	<u>0.21</u>	<u>0.18</u>	483 <sup>J-</sup>	14.8 <sup>J</sup>	<b>324</b>	<b>291</b>	< 1.2 <sup>UJ</sup>	3.6	< 1.2	< 1.2	82			
3	PZ-2302	4/9/2021	0.15	0.0011 <sup>J</sup>	0.00037 <sup>J</sup>	0.0012	<b>0.66</b>	<b>0.61</b>	<u>0.15</u>	<u>0.16</u>	489	28.2 <sup>J</sup>	<b>379</b>	<b>303</b>	< 1.2	3.4	< 1.2	< 1.2	62.6			
3	PZ-2302	11/20/2021	0.16	0.0011 <sup>J</sup>	< 0.00024	0.0012	<b>1.3</b>	<b>1.4</b>	<u>0.19</u>	<u>0.18</u>	432	14.9 <sup>J</sup>	<b>316</b>	<b>297</b>	< 1.2	3.1	3.6 <sup>J</sup>	< 0.25	66.4			
3	PZ-2302	12/22/2021	0.15	< 0.0010	< 0.00024	0.00060 <sup>J</sup>	<b>1.2</b>	<b>1.3</b>	<u>0.18</u>	<u>0.17</u>	459	21.5 <sup>J</sup>	<b>327</b>	<b>299</b>	< 1.2	3.3	0.86 <sup>J</sup>	< 0.25	21.1			
3	PZ-2302	1/24/2022	0.15	< 0.0010	< 0.00024	0.00062 <sup>J</sup>	<b>0.84</b>	<b>0.88</b>	<u>0.18</u>	<u>0.18</u>	453	< 14.7	<b>334</b>	<b>302</b>	< 1.2	3.1	0.96 <sup>J</sup>	< 0.25	27.2			

**Table 5B**  
**Select Metals and Geochemical Parameters in Groundwater**  
**Treatment Area 3**  
**Former Kenosha Engine Plant**

Treatment Area	Sample Location	Sample Date	Analyte	Barium	Chromium	Lead	Nickel	Iron	Iron	Manganese	Manganese	Alkalinity, Total as CaCO3	Chemical Oxygen Demand	Chloride	Sulfate	Sulfide	Total organic carbon	Ethane	Ethene	Methane			
			ES	2	0.1	0.015	0.1	0.3	0.3	0.3	0.3	0.3	NE	NE	250	250	NE	NE	NE	NE	NE	NE	
			PAL	0.4	0.01	0.0015	0.02	0.15	0.15	0.06	0.06	0.06	NE	NE	125	125	NE	NE	NE	NE	NE	NE	NE
			Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/l	ug/l	ug/l
Diss/Total	D	D	D	D	D	D	T	D	T	T	T	T	T	T	T	T	T	T	T	T	T		
3	MW-2303	12/8/2020	0.13	0.006	<u>0.0054</u>	0.0074	<b>4.5</b>	<b>7.2</b>	<b>0.6</b>	<b>0.66</b>	354	57.4	64.1	<u>201</u>	< 1.2 <sup>UJ</sup>	3	< 1.2	< 1.2	6.2				
3	MW-2303	4/9/2021	0.12	< 0.0010	0.00031 <sup>J</sup>	0.002	< 0.058	0.070 <sup>J</sup>	<b>0.80<sup>J</sup></b>	<b>0.55<sup>J</sup></b>	450	< 14.7	<u>177</u>	<b>372</b>	< 1.2	3.5	2.2 <sup>J</sup>	3.5 <sup>J</sup>	117				
3	MW-2303	11/20/2021	0.13	< 0.0010	< 0.00024	0.00044 <sup>J</sup>	<b>18.3</b>	<b>16.1</b>	<b>0.73</b>	<b>0.63</b>	447	195	56.1	38.6	< 1.2	70.6	0.93 <sup>J</sup>	1.3 <sup>J</sup>	38.6				
3	MW-2303	12/22/2021	0.17	< 0.0010	< 0.00024	< 0.00028	<b>62.5</b>	<b>47.4</b>	<b>2.1</b>	<b>1.4</b>	820	720	71.3	7.0 <sup>J</sup>	< 12.0	323	2.8 <sup>J</sup>	4.0 <sup>J</sup>	815				
3	MW-2303	1/24/2022	0.11	0.0046	< 0.00024	0.00045 <sup>J</sup>	<b>29.9</b>	<b>17.6</b>	<b>0.97</b>	<b>0.55</b>	410	138	47.9	19.4	< 1.2	49.3	3.7 <sup>J</sup>	4.7 <sup>J</sup>	2670				
3	MW-2303	4/27/2022	0.18	0.0012 <sup>J</sup>	< 0.00024	0.00040 <sup>J</sup>	<b>13.1</b>	<b>15.5</b>	<b>0.54</b>	<b>0.58</b>	643	52.3	<u>149</u>	<u>155</u>	< 1.2	16.3	6.1	22.2	7340				
3	MW-2303	7/26/2022	0.13	< 0.0010	< 0.00024	0.00028 <sup>J</sup>	<b>1.5</b>	<b>1.7</b>	<u>0.14</u>	<u>0.13</u>	439 <sup>J-</sup>	32.5 <sup>J</sup>	<u>162<sup>J+</sup></u>	33.3 <sup>J+</sup>	< 1.2	3.6	16	95.1	3960				
3	PZ-2303	12/8/2020	0.18	< 0.0010	< 0.00024	0.0012	<b>1.6<sup>J+</sup></b>	<b>1.6</b>	<b>0.36</b>	<b>0.35</b>	453 <sup>J-</sup>	< 14.7	51.5	<u>230</u>	< 1.2 <sup>UJ</sup>	2.6	< 1.2	< 1.2	5.0 <sup>J+</sup>				
3	PZ-2303	4/9/2021	0.14	< 0.0010	< 0.00024	0.00040 <sup>J</sup>	<b>3.0<sup>J</sup></b>	<b>2.4<sup>J</sup></b>	<b>0.53</b>	<b>0.49</b>	468	< 14.7	<u>150</u>	<b>445</b>	< 1.2 <sup>UJ</sup>	3.5	< 1.2	< 1.2	24.2				
3	PZ-2303	11/20/2021	0.34	0.0012 <sup>J</sup>	< 0.00024	< 0.00028	<b>16.6</b>	<b>17.5</b>	<b>0.69</b>	<b>0.62</b>	1320	1260	115	80.1	1.4 <sup>J</sup>	454	1.6 <sup>J</sup>	1.7 <sup>J</sup>	99.3				
3	PZ-2303	12/22/2021	<u>0.51</u>	< 0.0010	< 0.00024	< 0.00028	<b>27</b>	<b>36.3</b>	<b>0.53</b>	<b>0.53</b>	1600	4240	108	8.8 <sup>J</sup>	< 1.2	671	3.5 <sup>J</sup>	6.3	355				
3	PZ-2303	1/24/2022	<u>0.71</u>	< 0.0010	< 0.00024	< 0.00028	<b>32.3</b>	<b>32.6</b>	<b>0.84</b>	<b>0.78</b>	1760	2370	98.5	3.4 <sup>J</sup>	< 1.2	873	10	36.9	2470				
3	PZ-2303	4/27/2022	<u>0.51</u>	0.0011 <sup>J</sup>	< 0.00024	0.00045 <sup>J</sup>	<b>18.2</b>	<b>20.3</b>	<b>0.62</b>	<b>0.61</b>	1450	1410	112	< 4.4	< 1.2	474	7.7	16.5	11900				
3	PZ-2303	7/26/2022	0.31	< 0.0010	< 0.00024	< 0.00028	<b>9</b>	<b>11.8</b>	<u>0.26</u>	<u>0.29</u>	941 <sup>J-</sup>	305	<u>137<sup>J+</sup></u>	73.3 <sup>J+</sup>	1.2 <sup>J</sup>	100	19.7	< 0.25	13500				

Notes:

mg/L = milligrams per liter

ug/L = micrograms per liter

= Not Analyzed

<sup>J</sup> = Estimated value (+/- indicated the direction of bias)

<sup>U</sup> = Qualified nondetect due to contamination

PAL - Preventive Action Limit, Wisconsin Administrative Code NR 140.10 Table 1, June 2021 exceedances are underlined italics.

ES - Enforcement Standard, Wisconsin Administrative Code NR 140.10 Table 1, June 2021 exceedances are **bold**.

**Table 4A**  
**Detected Volatile Organic Compounds in Groundwater**  
**Treatment Area 4**  
**Former Kenosha Engine Plant**

		Analyte	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
		ES	7	70	100	5	0.2
		PAL	0.7	7	20	0.5	0.02
		Units	ug/l	ug/l	ug/l	ug/l	ug/l
Treatment Area	Sample Location	Sample Date					
4	MW-44	4/14/2020	< 0.24	< 0.27	< 0.46	< 0.26	< 0.17
4	MW-44	11/4/2020	< 0.24	< 0.27	< 0.46	< 0.26	< 0.17
4	MW-44	4/9/2021	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-44	12/8/2021	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-44	1/12/2022	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-44	2/7/2022	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-44	4/25/2022	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-44	7/26/2022	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-65	12/10/2020	< 2.4	<b>870</b>	<u>25.5</u>	<b>521</b>	<b>4.4<sup>J+</sup></b>
4	MW-65	4/9/2021	< 1.5	<b>354</b>	11.7	<b>45.4</b>	<b>1.3<sup>J</sup></b>
4	MW-65	12/8/2021	< 0.58	2	< 0.53	<u>0.77<sup>J</sup></u>	<b>0.46<sup>J</sup></b>
4	MW-65	1/11/2022	< 0.58	1.7	< 0.53	< 0.32	< 0.17
4	MW-65	2/7/2022	< 0.58	1.7	< 0.53	< 0.32	<b>2.2</b>
4	MW-65	4/25/2022	< 2.3	<b>395</b>	3.3 <sup>J</sup>	< 1.3	<b>14.2</b>
4	MW-65	7/26/2022	< 1.5	<b>296</b>	4.3	< 0.80	<b>10.5</b>
4	MW-79	5/17/2018	< 0.41	< 0.26	< 0.26	< 0.33	< 0.18
4	MW-79	10/18/2018	< 0.24	< 0.27	< 1.1	< 0.26	< 0.17
4	MW-79	4/17/2019	< 0.24	< 0.27	< 1.1	< 0.26	< 0.17
4	MW-79	10/9/2019	< 0.24	< 0.27	< 1.1	< 0.26	< 0.17
4	MW-79	4/15/2020	< 0.24	< 0.27	< 0.46	< 0.26	< 0.17
4	MW-79	11/4/2020	< 0.24	< 0.27	< 0.46	< 0.26	< 0.17
4	MW-79	4/7/2021	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-79	12/8/2021	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-79	1/11/2022	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-79	2/7/2022	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-79	4/25/2022	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-79	7/26/2022	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17

**Table 4A**  
**Detected Volatile Organic Compounds in Groundwater**  
**Treatment Area 4**  
**Former Kenosha Engine Plant**

		Analyte	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
		ES	7	70	100	5	0.2
		PAL	0.7	7	20	0.5	0.02
		Units	ug/l	ug/l	ug/l	ug/l	ug/l
Treatment Area	Sample Location	Sample Date					
4	MW-80	5/17/2018	< 0.41	< 0.26	< 0.26	< 0.33	< 0.18
4	MW-80	10/18/2018	< 0.24	< 0.27	< 1.1	< 0.26	< 0.17
4	MW-80	4/17/2019	< 0.24	< 0.27	< 1.1	< 0.26	< 0.17
4	MW-80	10/9/2019	< 0.24	< 0.27	< 1.1	< 0.26	< 0.17
4	MW-80	4/15/2020	< 0.24	< 0.27	< 0.46	< 0.26	< 0.17
4	MW-80	11/4/2020	< 0.24	< 0.27	< 0.46	< 0.26	< 0.17
4	MW-80	4/7/2021	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-80	12/8/2021	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-80	1/11/2022	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-80	2/7/2022	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-80	4/25/2022	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-80	7/26/2022	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-81	5/17/2018	< 0.41	2	< 0.26	< 0.33	< 0.18
4	MW-81	10/18/2018	< 0.24	0.89 <sup>J</sup>	< 1.1	< 0.26	< 0.17
4	MW-81	4/17/2019	< 0.24	< 0.27	< 1.1	< 0.26	< 0.17
4	MW-81	10/9/2019	< 0.24	0.88 <sup>J</sup>	< 1.1	< 0.26	<b>0.27<sup>J</sup></b>
4	MW-81	4/15/2020	< 0.24	6.1	1.5 <sup>J</sup>	< 0.26	<b>1.2</b>
4	MW-81	11/4/2020	< 0.24	0.42 <sup>J</sup>	< 0.46	< 0.26	< 0.17
4	MW-81	4/7/2021	< 0.58	5.2	1.3	< 0.32	<b>2.4</b>
4	MW-81	12/8/2021	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-81	1/11/2022	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-81	2/7/2022	< 0.58	0.53 <sup>J</sup>	< 0.53	< 0.32	< 0.17
4	MW-81	4/25/2022	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-81	7/26/2022	< 0.58	0.61 <sup>J</sup>	< 0.53	< 0.32	< 0.17

**Table 4A**  
**Detected Volatile Organic Compounds in Groundwater**  
**Treatment Area 4**  
**Former Kenosha Engine Plant**

		Analyte	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
		ES	7	70	100	5	0.2
		PAL	0.7	7	20	0.5	0.02
		Units	ug/l	ug/l	ug/l	ug/l	ug/l
Treatment Area	Sample Location	Sample Date					
4	MW-82	5/17/2018	< 4.1	<b>561</b>	<u>42.3</u>	<b>304</b>	<b>7.5<sup>J</sup></b>
4	MW-82	10/18/2018	< 0.24	<b>133</b>	4	<b>17.9</b>	<b>25.1</b>
4	MW-82	4/17/2019	<u>0.88<sup>J</sup></u>	<b>372</b>	<u>36.7</u>	<b>204</b>	<b>4.1</b>
4	MW-82	10/9/2019	< 1.2	<b>553</b>	<u>46.9</u>	<b>220</b>	<b>11</b>
4	MW-82	4/15/2020	< 1.2	<b>417</b>	<u>39.2</u>	<b>121</b>	<b>5.9</b>
4	MW-82	11/4/2020	< 0.24	<b>97.3</b>	9.5	<b>5.3</b>	<b>31.9</b>
4	MW-82	4/7/2021	< 2.9	<b>488</b>	<u>45</u>	<b>97.1</b>	<b>13.7</b>
4	MW-82	12/8/2021	< 0.58	< 0.47	< 0.53	< 0.32	<b>0.46<sup>J</sup></b>
4	MW-82	1/12/2022	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-82	2/7/2022	< 0.58	0.67 <sup>J</sup>	< 0.53	< 0.32	<b>0.37<sup>J</sup></b>
4	MW-82	4/26/2022	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-82	7/26/2022	< 0.58	< 0.47	< 0.53	< 0.32	<b>0.26<sup>J</sup></b>
4	MW-82 DUP	4/26/2022	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-82 DUP	7/26/2022	< 0.58	< 0.47	< 0.53	< 0.32	<b>0.28<sup>J</sup></b>
4	PZ-82	10/6/2021	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	PZ-82	12/8/2021	< 5.8	< 4.7	< 5.3	< 3.2	< 1.7
4	PZ-82	1/12/2022	< 0.58	< 0.47	< 0.53	0.49 <sup>J</sup>	<b>0.20<sup>J</sup></b>
4	PZ-82	2/7/2022	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	PZ-82	4/25/2022	< 0.58	< 0.47	< 0.53	0.39 <sup>J+</sup>	< 0.17
4	PZ-82	7/26/2022	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-108	4/14/2020	< 0.24	< 0.27	< 0.46	< 0.26	< 0.17
4	MW-108	11/4/2020	< 0.24	< 0.27	< 0.46	< 0.26	< 0.17
4	MW-108	4/9/2021	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-108	12/8/2021	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17



**Table 4A**  
**Detected Volatile Organic Compounds in Groundwater**  
**Treatment Area 4**  
**Former Kenosha Engine Plant**

		Analyte	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
		ES	7	70	100	5	0.2
		PAL	0.7	7	20	0.5	0.02
		Units	ug/l	ug/l	ug/l	ug/l	ug/l
Treatment Area	Sample Location	Sample Date					
4	MW-108	1/11/2022	< 0.58	< 0.47	< 0.53	<b><u>2.8</u></b>	< 0.17
4	MW-108	2/7/2022	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-108	4/25/2022	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17
4	MW-108	7/26/2022	< 0.58	< 0.47	< 0.53	< 0.32	< 0.17

Notes:

ug/L = micrograms per liter

NA = Not Analyzed

<sup>J</sup> = Estimated value (+/- indicated the direction of bias)

<sup>U</sup> = Qualified nondetect due to contamination

PAL - Preventive Action Limit, Wisconsin Administrative Code NR 140.10 Table 1, June 2021 exceedances are *underlined italics*.

ES - Enforcement Standard, Wisconsin Administrative Code NR 140.10 Table 1, June 2021 exceedances are **bold**.



**Table 6B**  
**Select Metals and Geochemical Parameters in Groundwater**  
**Treatment Area 4**  
**Former Kenosha Engine Plant**

4	PZ-82	10/6/2021	0.074	< 0.0010	< 0.058	<b>2</b>	< 0.00024	<u>0.16</u>	<u>0.2</u>	0.00034 <sup>J</sup>	143	23.7 <sup>J</sup>	64.6	<u>171</u>	< 1.2	2.7	< 0.39	< 0.25	30.5
4	PZ-82	12/8/2021	<u>0.42</u>	< 0.0010	<b>38.4</b>	<b>48.3</b>	< 0.00047	<b>1.3</b>	<b>1.4</b>	0.0012	1350	2900	56.8	11.2 <sup>J</sup>	< 1.2	922	6	9	447
4	PZ-82	1/12/2022	<u>0.48</u>	< 0.0010	<b>57.1</b>	<b>53.8</b>	< 0.00024	<b>1.4</b>	<b>1.3</b>	< 0.00028	1310	2130	59.4	< 2.2	< 12.0	745	4.1 <sup>J</sup>	7	487
4	PZ-82	2/7/2022	0.3	< 0.0010	<b>18.5</b>	<b>20.6</b>	< 0.00024	<b>0.62</b>	<b>0.64</b>	< 0.00028	912	1400	55.7	< 2.2	< 1.2	453	9.4	13.7	964
4	MW-108	12/10/2020	0.12	< 0.0010	< 0.058	0.062 <sup>J</sup>	< 0.00024	< 0.0012	0.012	0.0021	452 <sup>J-</sup>	43.9 <sup>J</sup>	<b>1110</b>	116	< 1.2 <sup>UJ</sup>	1.1	< 1.2	< 1.2	0.75 <sup>J</sup>
4	MW-108	4/9/2021	0.37	< 0.0051	< 0.29	<b>0.75</b>	< 0.0012	0.0087 <sup>J</sup>	0.028	0.0034 <sup>J</sup>	335	226	<b>4810</b>	120	< 1.2	1.7 <sup>J</sup>	< 1.2	< 1.2	< 0.66
4	MW-108	12/8/2021	0.17	< 0.0051	< 0.29	< 0.29	< 0.0012	< 0.0061	< 0.0061	0.0049 <sup>J</sup>	420	226	<b>4110</b>	<u>142</u> <sup>J</sup>	< 1.2	0.86 <sup>J</sup>	< 0.39	< 0.25	< 0.58
4	MW-108	1/11/2022	0.18	< 0.0020	< 0.12	0.13 <sup>J</sup>	< 0.00047	0.0040 <sup>J</sup>	0.019	0.0055	380	101	<b>4450</b>	<u>183</u>	< 1.2	0.26 <sup>J</sup>	< 0.39	<b>0.33</b> <sup>J</sup>	< 0.58
4	MW-108	2/7/2022	0.16	< 0.0010	< 0.058	0.080 <sup>J</sup>	< 0.0012	0.0055	0.014	0.0061	342	199	<b>4670</b>	<u>148</u> <sup>J</sup>	< 1.2	0.25 <sup>J</sup>	< 0.39	< 0.25	< 0.58

Notes:

mg/L = milligrams per liter

ug/L = micrograms per liter

NA = Not Analyzed

NE = Not Established

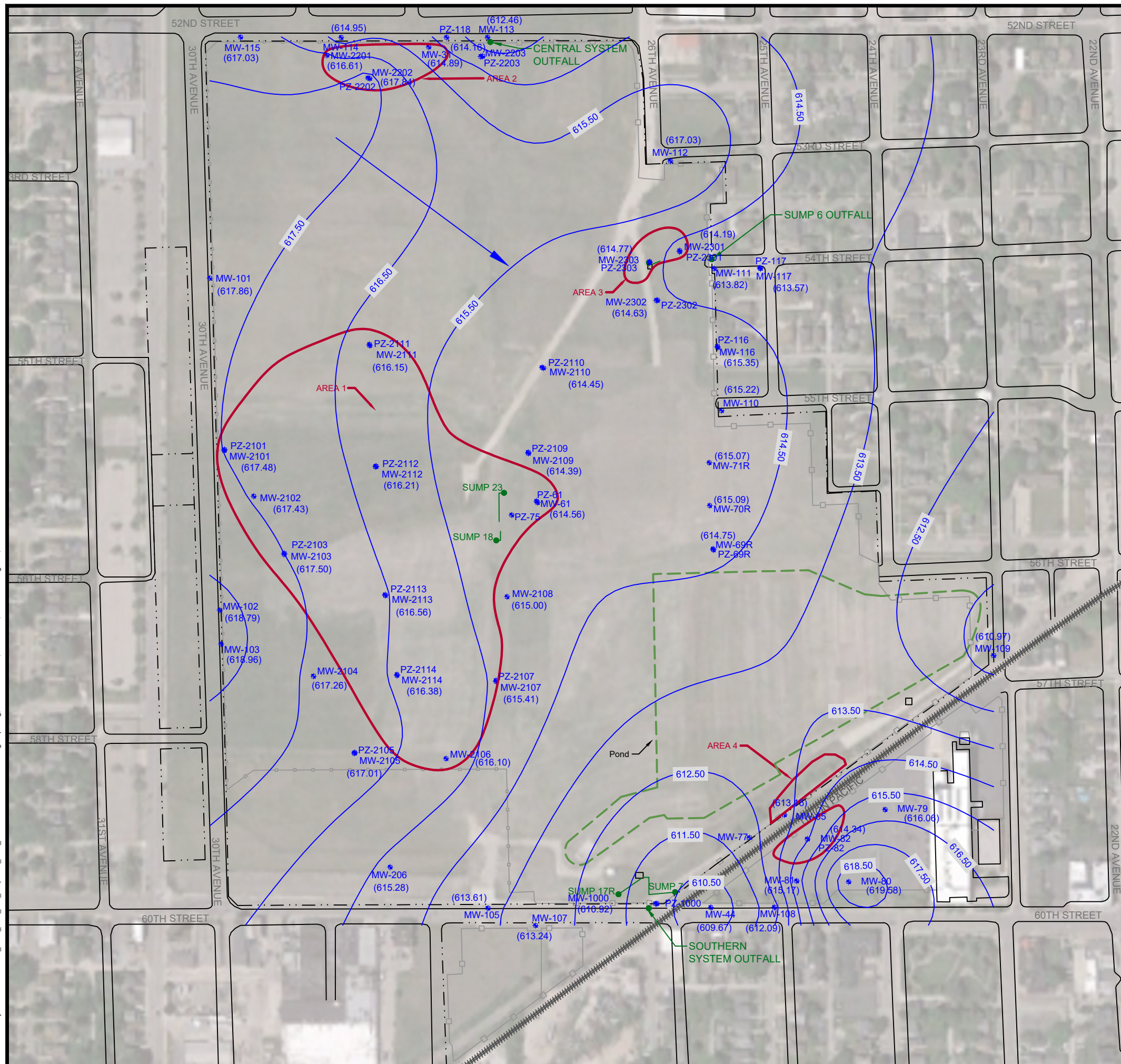
<sup>J</sup> = Estimated value (+/- indicated the direction of bias)

<sup>U</sup> = Qualified nondetect due to contamination

PAL - Preventive Action Limit, Wisconsin Administrative Code NR 140.10 Table 1, June 2021 exceedances are underlined italics.

ES - Enforcement Standard, Wisconsin Administrative Code NR 140.10 Table 1, June 2021 exceedances are **bold**.

File: L:\DCS\Projects\ENV\60682984\_2022 KEP\_GW\_Smpt1000\_CAD\_GIS\CAD\KEP-GW Rem Design Rpt.dwg; USER: SCHOLZ, CAROLYN; PLOTTED: August 2, 2022 - 9:40 AM



**LEGEND**

- APPROXIMATE SITE BOUNDARY
- ++++ RAILROAD
- - - EXISTING FENCE
- REMEDIATION BUILDING
- SUMPS AND SANITARY OUTFALLS
- SUMP UTILITY LINES
- ⊕ MONITORING WELLS AND PIEZOMETERS - EXISTING PERIMETER MONITORING LOCATIONS
- REMEDIAL TREATMENT AREAS
- (614.77) GROUNDWATER ELEVATIONS
- 615.50 GROUNDWATER CONTOUR (INTERVAL AT 1.0 FT.)
- GROUNDWATER FLOW DIRECTION

**NOTES**

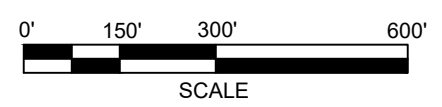
1. AERIAL PHOTOGRAPH FROM GOOGLE EARTH PRO, IMAGE DATED 5/28/2021; DOWNLOADED ON 8/30/2021.
2. BORDER DISCONTINUITIES ARE DUE TO ANGLE OF 2018 AERIAL.



1555 RiverCenter Dr  
 Milwaukee, WI 53212  
 414.944.6080  
 www.aecom.com  
 Copyright ©2012. By: AECOM USA, Inc.

GROUNDWATER ELEVATIONS CONTOUR MAP (WATER TABLE)

JULY 2022  
 KENOSHA ENGINE PLANT  
 CITY OF KENOSHA  
 KENOSHA, WISCONSIN



Drawn :	CAS 8/2/2022
Checked:	LLA 8/2/2022
Approved:	LLA 8/2/2022
PROJECT NUMBER	60682984
FIGURE NUMBER	1

File: L:\DCS\Projects\ENV\60682984\_2022\_KEP\_GW\_Smpt1000\_CAD\_GIS\CAD\KEP-GW Rem Design Rpt.dwg; USER: SCHOLZ, CAROLYN; PLOTTED: August 2, 2022 - 7:06 AM

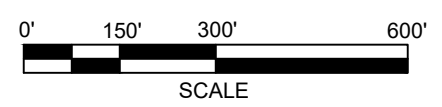


**AECOM**

1555 RiverCenter Dr  
 Milwaukee, WI 53212  
 414.944.6080  
 www.aecom.com  
 Copyright ©2012. By: AECOM USA, Inc.

GROUNDWATER ELEVATIONS CONTOUR MAP (PIEZOMETERS)  
 JULY 2022  
 KENOSHA ENGINE PLANT  
 CITY OF KENOSHA  
 KENOSHA, WISCONSIN

Drawn :	CAS	8/2/2022
Checked:	LLA	8/2/2022
Approved:	LLA	8/2/2022
PROJECT NUMBER	60682984	
FIGURE NUMBER	2	



# Memorandum

Date: August 19, 2022

To: Lanette Altenbach, Project Manager (PG)

From: Lisa Smith, Environmental Chemist (CEAC)

Subject: Data Validation - Analytical Results for Groundwater Samples  
 Former Kenosha Engine Plant  
 Kenosha, Wisconsin

## SUMMARY

Data validation was performed on the analytical results for the groundwater samples collected at the Kenosha, WI site on July 25 to 27, 2022. Forty-nine groundwater samples, 7 field duplicates, and 3 trip blanks were submitted to Pace Analytical, Green Bay for analysis. Pace processed the samples and reported the results under sample delivery groups (SDGs) 40248743, 40248749, 40248822, 40248902, and 40248903.

The analytical data were evaluated with reference to the United States Environmental Protection Agency (USEPA) National Functional Guidelines for Superfund Organic Methods Data Review (November 2020), and National Functional Guidelines for Inorganic Superfund Methods Data Review (November 2020). The National Functional Guidelines were modified to accommodate the non-CLP methodology. Laboratory control limits and/or method criteria were used as appropriate as the basis for validation actions.

Based on the results of the validation, the data are valid as reported and may be used for decision making purpose. Two results were qualified as nondetect (U) due to laboratory contamination. A limited number of results were also qualified as estimated (UJ, J, and J +/-) due to QC exceedances. Detailed discussions of the qualifications are included below and summarized in Table 1. Data validation qualifiers override any assigned laboratory data flags. Results reported below the limit of quantitation (LOQ) were qualified as estimated (J) by the laboratory; qualifications of these results were accepted by the validator, but are not shown in Table 1.

## METHODS

The samples were analyzed by the methods listed below.

Analyte Group	Method	Number of Samples
VOCs	SW-846 8260	49 Groundwater Sample 7 Field Duplicates 3 Trip Blanks
Methane, Ethene, Ethane (MEE)	SW8015B Modified	36 Groundwater Samples 6 Field Duplicates
Dissolved and Total Metals	SW6020B	
Alkalinity	EPA 310.2	
Anions (chloride and sulfate)	EPA 300.0	
Chemical Oxygen Demand (COD)	EPA 410.4	
Sulfide	SM 4500-S F	
Total organic carbon (TOC)	SM 5310C	
Carbon Dioxide	RSK-175	6 Groundwater Samples 2 Field Duplicates (analyzed by Pace Gulf Coast)

## REVIEW ELEMENTS

Limited data validation was performed on the samples. Quality control (QC) parameters listed below were reviewed, if applicable to the methodology.

### Limited Validation

Holding Times  
 Method Blanks  
 Trip Blanks  
 Surrogate Recoveries  
 Laboratory Control Samples  
 Matrix Spikes/Matrix Spike Duplicates  
 Field Duplicates

## DISCUSSION

### Sample Receipt

Samples were received at the laboratory intact, properly preserved and in good condition. The groundwater samples were received at temperatures  $\leq 6.0$  °C.

The sulfide container for sample PZ-2103 was received with headspace and the result was qualified as estimated biased low (J-).

The post analysis pH measurement for VOC and methane/ethane/ethene (MEE) samples PZ-2101, PZ-2103, PZ-2103D, and PZ-2111 indicate insufficient preservation. These samples were analyzed within the 7-day hold time for unpreserved samples, and were acceptable without qualification.

Review of the chain of custodies (CoCs) and login reports found the following items (for informational purposes):

- One of the vials for sample MW-2110, two of the vials for PZ-2103, and one vial for PZ-2103D were received with headspace  $> 6$ mm. A sufficient number of vials that met headspace criteria were received for these samples.
- Sample MW-31 was received at the laboratory; however, was not listed on the CoC. The laboratory was requested to proceed with analysis of this sample.
- The sample collection dates were not listed on the CoC for the carbon dioxide samples included in SDG 40248903, and three of the samples on the second CoC page in SDG 40248902.

### Holding Times

Samples were extracted and analyzed within holding times.

### Method Blanks

Laboratory blanks are analyzed to assess contamination from laboratory procedures. Method blanks were analyzed at the correct frequency. Analytes were not detected in the associated method blanks, with the exceptions listed below. Results qualified are also listed below.

Batch	Analysis Date	Analyte	Concentration	Qualifiers
421943	Chloride	Chloride	0.58 J	The associated sample concentrations were greater than 5 times the blank concentration and were acceptable without qualification.
421954	Manganese	Manganese	0.0025 J	Associated manganese results that were within five times and blank concentration, and less

421954 (cont.)	Manganese	Manganese	0.0025 J	<p>than the LOQ were qualified nondetect (U):</p> <p>PZ-2301 (diss and total) PZ-2301D (diss)</p> <p>Associated manganese results that were within five times and blank concentration, and greater than the LOQ were qualified as estimated biased high (J+): PZ-2301D (total)</p>
-------------------	-----------	-----------	----------	--

#### Trip Blanks

Trip blanks are used to assess contamination during sample shipping. Three trip blanks were associated with the VOC samples. Compounds were not detected in the trip blanks.

#### Surrogate Recoveries

Surrogates are spiked into all field samples, field QC samples, and method QC samples and are used to evaluate accuracy. The surrogates are organic compounds similar to the target compounds in chemical composition and behavior in the analytical process, but are not usually found in environmental samples. Surrogate recoveries were reported for VOCs (8260) and were within the laboratory specified QC limits.

#### Laboratory Control Samples (LCSs)

LCSs are analyzed to monitor the accuracy of the analytical method independent of matrix effects. The LCS recoveries were within the laboratory specified QC limits.

Two LCS/LCSDs were reported method SW8015B Modified, and the recoveries and relative percent differences (RPDs) were within the laboratory specified QC limits.

#### Matrix Spike/Matrix Spike Duplicates (MS/MSDs)

MS/MSDs are analyzed to determine the effects of sample matrix on the measurement methodology. Samples were not selected per chain-of-custody (CoC) for MS/MSD analysis; however, the laboratory provided MS/MSD data from batch analysis. Project samples analyzed as MS/MSDs are summarized below:

- VOCs: MW-44, MW-79, MW-2111, MW-2114
- Dissolved Metals: MW-65, MW-2106, MW-2110
- Total Metals: MW-65, MW-2106, MW-2110
- Methane/Ethane/Ethene: PZ-2110
- Alkalinity: MW-61D, MW-2111, MW-2301
- Chloride, Sulfate: MW-65, MW-2110, PZ-2101
- COD: MW-2110, MW-2120, PZ-2110, PZ-2112
- Sulfide: MW-2110, MW-2112, PZ-2301
- TOC: MW-82, MW-82D, MW-2110, MW-2303, PZ-2110

MS/MSD recoveries and relative percent differences (RPDs) were within acceptable limits, with the exception of those listed below.

Analyte	% Recovery	Recovery Limits	RPD	RPD Limit	Qualifiers
<b>MW-61D:</b>					
Alkalinity, Total as CaCO <sub>3</sub>	91/89	90-110	1	20	<p>Associated results were qualified as estimated biased low (J-):</p> <p>MW-61                      MW-61D            MW-65                      MW-2102            MW-2107                    MW-2110</p>



Analyte	% Recovery	Recovery Limits	RPD	RPD Limit	Qualifiers
Alkalinity, Total as CaCO3					MW-2112 MW-2114 MW-2201 MW-2201D MW-2301 MW-2303 PZ-61 PZ-2107 PZ-2110 PZ-2112 PZ-2114 PZ-2303
<b>MW-65:</b>					
Chloride	121/100	90-110	13	15	Associated sample detects were qualified as estimated biased high (J+):  MW-31 MW-65 MW-2201 MW-2201D MW-2301 MW-2301D MW-2303 PZ-2303
Sulfate	117/107	90-110	7	15	
<b>MW-79:</b>					
1,1-Dichloroethane	140/141	70-130	0	20	The result for sample MW-79 was nondetect, and was acceptable without qualification.
<b>MW-82D:</b>					
Total organic carbon	59/55	80-120	5	10	Associated results were qualified as estimated biased low (J-):  MW-82 MW-82D MW-2101 MW-2103 MW-2103D MW-2106 MW-2111 MW-2113 PZ-2101 PZ-2103 PZ-2103D PZ-2111 PZ-2113 PZ-2301 PZ-2301D
<b>MW-2106:</b>					
Calcium, dissolved	215/84	75-125	6	20	The sample concentrations were greater than 4 times the spike concentration. No qualifiers.
Magnesium, dissolved	141/106	75-125	5	20	
Sodium, dissolved	151/107	75-125	4	20	
<b>MW-2110:</b>					
Calcium, dissolved	159/105	75-125	3	20	The sample concentrations were greater than 4 times the spike concentration. No qualifiers.
Sodium, dissolved	210/124	75-125	4	20	
Chloride	111/101	90-110	7	15	Associated sample detects were qualified as estimated biased high (J+):  MW-61 MW-61D MW-2102 MW-2107 MW-2110 MW-2112 MW-2114 PZ-61 PZ-2107 PZ-2110 PZ-2112 PZ-2114

Analyte	% Recovery	Recovery Limits	RPD	RPD Limit	Qualifiers
<b>MW-2111:</b>					
cis-1,2-Dichloroethene	<b>-66/-12</b>	70-130	3	20	The sample concentrations were greater than 4 times the spike concentration. No qualifiers.
Alkalinity, Total as CaCO3	<b>66/66</b>	90-110	0	20	Associated detects were qualified as estimated biased low (J-), and nondetects were qualified UJ:  MW-82            MW-82D MW-2101        MW-2103 MW-2103D      MW-2106 MW-2111        MW-2113 PZ-2101        PZ-2103 PZ-2103D      PZ-2111 PZ-2113        PZ-2301 PZ-2301D
<b>PZ-2101:</b>					
Sulfate	<b>99/112</b>	90-110	12	15	Associated sample detects were qualified as estimated biased high (J+):  MW-82            MW-82D MW-2103        MW-2103D MW-2106        MW-2113 PZ-2103        PZ-2103D PZ-2301        PZ-2301D

Quantitation

Dilutions were required during analysis of the groundwater samples due to high sample concentrations.

Values for total and dissolved metals were reviewed to confirm that dissolved metals values were not greater than the total metals results by more the 20% (the amount of acceptable precision for metals laboratory analysis), or that values were within  $\pm$  LOQ. The table below lists results where the dissolved value was greater than the total result by more than 20%. Associated results were qualified as estimated (J).

Sample	Analyte	Units	Total	Dissolved	RPD
MW-2103	Iron	mg/L	8.1	15.1	60
	Manganese	mg/L	0.60	0.76	24
MW-2301	Manganese	mg/L	0.071	0.14	65
MW-2301D	Manganese	mg/L	0.033	0.073	75

Laboratory qualifiers indicate that a VOC internal standard are count was low for sample PZ-82. Only detected values are affected by low internal standards as an inverse relationship exists. The results for sample PZ-82 were nondetect and did not require qualification.

Field Duplicates

Field duplicates are collected to assess the overall precision of field sampling and laboratory analysis. Seven field duplicate samples were collected and field precision is summarized in the table below. RPDs for the field duplicate pairs were within the 30 percent limit, or the absolute difference of the values were within  $\pm$  the LOQ for values with 5 times the LOQ. Results associated with RPDs in bold text were qualified as estimated (J/UJ).

Sample & Compound(s)	Units	LOQ (max)	Sample Concentration	Field Duplicate Concentration	RPD (%)
<b>MW-61 / MW-61D:</b>					
1,1-Dichloroethene	ug/l	10	8.0 J	9.8 J	20.2
Benzene	ug/l	10	13.1	13.2	0.8
cis-1,2-Dichloroethene	ug/l	50	4720	4670	1.1
trans-1,2-Dichloroethene	ug/l	10	37.2	46.2	21.6
Trichloroethene	ug/l	10	168	167	0.6
Vinyl chloride	ug/l	50	3020	3030	0.3
Barium, dissolved	mg/L	0.0023	0.13	0.13	0
Iron, dissolved	mg/L	0.25	2.4	2.3	4.3
Iron, total	mg/L	0.25	2.4	2.4	0
Manganese, dissolved	mg/L	0.004	0.24	0.23	4.3
Manganese, total	mg/L	0.004	0.23	0.23	0
Nickel, dissolved	mg/L	0.001	0.0013	0.0012	8.0
Ethane	ug/l	5.6	49.9	54.1	8.1
Ethene	ug/l	5	268	288	7.2
Methane	ug/l	56	1390	1890	<b>30.5</b>
Alkalinity, Total as CaCO3	mg/L	50	393	412	4.7
Chemical Oxygen Demand	mg/L	50	54.5	34.7 J	± LOQ
Chloride	mg/L	40	405	402	0.7
Sulfate	mg/L	20	91.7	94.8	3.3
Total organic carbon	mg/L	0.5	5.0	5.1	2.0
<b>MW-82 / MW-82D:</b>					
Vinyl chloride	ug/l	1.0	0.26 J	0.28 J	7.4
Barium, dissolved	mg/L	0.0023	0.018	0.018	0
Chromium, dissolved	mg/L	0.0034	0.001 U	0.0022 J	± LOQ
Iron, total	mg/L	2.5	45.2	38.7	15.5
Manganese, dissolved	mg/L	0.004	0.013	0.013	0
Manganese, total	mg/L	0.04	0.31	0.25	21.4
Nickel, dissolved	mg/L	0.001	0.00038 J	0.0014	<b>&gt; ± LOQ</b>
Ethane	ug/l	5.6	13.4	15.4	13.9
Ethene	ug/l	5.0	13.3	16.2	19.7
Methane	ug/l	140	5640	5180	8.5
Alkalinity, Total as CaCO3	mg/L	1250	259	372 U	± LOQ
Chemical Oxygen Demand	mg/L	1000	2230	3640	<b>48.0</b>
Chloride	mg/L	20	139	126	9.8
Sulfate	mg/L	20	18.2 J	10.3 J	± LOQ
Sulfide	mg/L	79.7	23.9 U	28 J	15.8
Total organic carbon	mg/L	3.0	6.0	8.0	28.6
<b>MW-2103 / MW-2103D:</b>					
1,1-Dichloroethene	ug/l	20	24.1	20.8	14.7
cis-1,2-Dichloroethene	ug/l	20	5770	4960	15.1
trans-1,2-Dichloroethene	ug/l	20	92	61.4	<b>39.9</b>

Sample & Compound(s)	Units	LOQ (max)	Sample Concentration	Field Duplicate Concentration	RPD (%)
Vinyl chloride	ug/l	20	1090	1230	12.1
Barium, dissolved	mg/L	0.0023	0.28	0.22	24
Calcium, dissolved	mg/L	2.5	361	258	<b>33.3</b>
Iron, dissolved	mg/L	0.25	15.1	7.4	<b>68.4</b>
Iron, total	mg/L	0.25	8.1	7.9	2.5
Magnesium, dissolved	mg/L	0.25	75.8	57.8	26.9
Manganese, dissolved	mg/L	0.004	0.76	0.61	21.9
Manganese, total	mg/L	0.004	0.6	0.6	0
Nickel, dissolved	mg/L	0.001	0.00081 J	0.0007 J	14.6
Potassium, dissolved	mg/L	0.79	6.1	7.1	15.2
Sodium, dissolved	mg/L	0.25	185	141	27
Ethane	ug/l	5.6	1.6 J	1.7 J	6.1
Ethene	ug/l	25	952	928	2.6
Methane	ug/l	2.8	118	125	5.8
Chloride	mg/L	40	146	146	0
Sulfate	mg/L	40	17.1 J	18.8 J	9.5
Alkalinity, Total as CaCO3	mg/L	125	971	981	1.0
Chemical Oxygen Demand	mg/L	100	450	509	12.3
Sulfide	mg/L	4.0	1.6 J	2.2 J	± LOQ
Total organic carbon	mg/L	15	142	134	5.8
<b>MW-2201 / MW-2201D:</b>					
1,1-Dichloroethane	ug/l	2.0	0.6	1.9 J	5.1
cis-1,2-Dichloroethene	ug/l	5.0	357	337	5.8
trans-1,2-Dichloroethene	ug/l	2.0	0.53 U	1.6 J	± LOQ
Vinyl chloride	ug/l	5.0	316	279	12.4
Barium, dissolved	mg/L	0.0023	0.066	0.063	4.7
Iron, dissolved	mg/L	0.25	6.2	5.9	5.0
Iron, total	mg/L	0.25	6.2	6.2	0
Manganese, dissolved	mg/L	0.004	0.031	0.029	6.7
Manganese, total	mg/L	0.004	0.032	0.03	6.5
Ethane	ug/l	5.6	15.5	17.3	11.0
Ethene	ug/l	5.0	354	432	19.8
Methane	ug/l	28	1040	1290	21.5
Alkalinity, Total as CaCO3	mg/L	50	589	583	1.0
Chemical Oxygen Demand	mg/L	50	274	287	4.6
Chloride	mg/L	20	86.8	86.5	0.3
Sulfate	mg/L	20	28.1	28.2	0.4
Total organic carbon	mg/L	15	91	95.7	5.0
<b>MW-2301 / MW-2301D:</b>					
cis-1,2-Dichloroethene	ug/l	1.0	0.47 U	0.79 J	± LOQ
Vinyl chloride	ug/l	1.0	0.17 U	2.1	<b>&gt; ± LOQ</b>
Barium, dissolved	mg/L	0.0023	0.07	0.058	18.8

Sample & Compound(s)	Units	LOQ (max)	Sample Concentration	Field Duplicate Concentration	RPD (%)
Iron, dissolved	mg/L	0.25	0.71	0.18 J	> ± LOQ
Iron, total	mg/L	0.25	18.5	9.2	67.1
Manganese, dissolved	mg/L	0.004	0.14	0.073	62.9
Manganese, total	mg/L	0.004	0.071	0.033	73.1
Ethane	ug/l	5.6	62.5	58.4	6.8
Ethene	ug/l	5.0	72.9	67.9	7.1
Methane	ug/l	280	6220	5590	10.7
Alkalinity, Total as CaCO3	mg/L	125	178	188	5.5
Chemical Oxygen Demand	mg/L	100	105	89.6	15.8
Chloride	mg/L	10	14.0	13.9	0.7
Sulfate	mg/L	10	10.5	10.9	3.7
Sulfide	mg/L	4.0	1.6 J	1.2 U	28.6
Total organic carbon	mg/L	0.5	13.3	13.8	3.7
<b>PZ-2103 / PZ-2103D:</b>					
cis-1,2-Dichloroethene	ug/l	200	14300	12200	15.8
Trichloroethene	ug/l	200	35300	29800	16.9
Vinyl chloride	ug/l	200	65.7 J	56.3 J	15.4
Barium, dissolved	mg/L	0.047	0.045 J	0.026 J	± LOQ
Calcium, dissolved	mg/L	5.1	362	374	3.3
Iron, dissolved	mg/L	5.0	19.2	7.7	> ± LOQ
Iron, total	mg/L	2.5	18.4	23.9	26.0
Magnesium, dissolved	mg/L	5.0	291	249	15.6
Manganese, dissolved	mg/L	0.081	0.88	0.89	1.1
Manganese, total	mg/L	0.04	0.88	0.87	1.1
Nickel, dissolved	mg/L	0.02	0.0071 J	0.0057 U	21.9
Potassium, dissolved	mg/L	15.8	12.7 J	10.4 J	19.9
Sodium, dissolved	mg/L	25	7880	6140	24.8
Ethane	ug/l	5.6	281	291	3.5
Ethene	ug/l	50	1430	2480	53.7
Methane	ug/l	2.8	66.3	69.7	5.0
Chloride	mg/L	100	500	528	5.4
Sulfate	mg/L	1000	11500	12700	9.9
Alkalinity, Total as CaCO3	mg/L	250	3410	3660	7.1
Chemical Oxygen Demand	mg/L	500	2590	2590	0
Sulfide	mg/L	39.9	40 1	24 J	± LOQ
Total organic carbon	mg/L	30	733	780	6.2
<b>PZ-2301 / PZ-2301D:</b>					
Barium, dissolved	mg/L	0.0023	0.055	0.058	5.3
Iron, dissolved	mg/L	0.25	0.079 J	0.061 J	25.7
Iron, total	mg/L	0.25	0.22 J	0.21 J	4.7
Manganese, dissolved	mg/L	0.004	0.0035 J	0.0027 J	25.8
Manganese, total	mg/L	0.004	0.0041	0.0049	17.8

Sample & Compound(s)	Units	LOQ (max)	Sample Concentration	Field Duplicate Concentration	RPD (%)
Nickel, dissolved	mg/L	0.001	0.00047 J	0.00028 U	± LOQ
Ethane	ug/l	5.6	7.3	8.2	11.6
Ethene	ug/l	5.0	5.9	6.5	9.7
Methane	ug/l	56	1730	2320	29.1
Alkalinity, Total as CaCO3	mg/L	125	164	186	12.6
Chemical Oxygen Demand	mg/L	50	114	151	27.9
Chloride	mg/L	10	24.9	24.7	0.8
Sulfate	mg/L	10	26.0	26.2	0.8
Total organic carbon	mg/L	30	43.9	38.3	13.6

Bold indicates an RPD (or precision) exceedance

### Qualification Actions

Sample results qualified due to validation actions are summarized in Table 1. All actions are described above. Data validation qualifiers override any assigned laboratory data flags. Results reported below the LOQ were qualified as estimated (J) by the laboratory; qualifications of these results were accepted by the validator, but are not shown in Table 1.

**Table 1 - Data Validation Summary of Qualified Data**

Sample ID	Analyte	Units	Validation Qualifier	Reason Code
PZ-2103	Sulfide	mg/L	J-	hs
PZ-2301 (diss and total) PZ-2301D (diss)	Manganese	mg/L	U	mb
PZ-2301D (total)	Manganese	mg/L	J+	mb
MW-61 MW-61D MW-65 MW-2102 MW-2107 MW-2110 MW-2112 MW-2114 MW-2201 MW-2201D MW-2301 MW-2303 PZ-61 PZ-2107 PZ-2110 PZ-2112 PZ-2114 PZ-2303	Alkalinity, Total as CaCO3	mg/L	J-	m
MW-82 MW-82D MW-2101 MW-2103 MW-2103D MW-2106 MW-2111 MW-2113 PZ-2101 PZ-2103 PZ-2103D PZ-2111 PZ-2113 PZ-2301 PZ-2301D	Alkalinity, Total as CaCO3	mg/L	Detects: J- Nondetects: UJ	m
MW-31 MW-65 MW-2201 MW-2201D MW-2301 MW-2301D MW-2303 PZ-2303	Chloride Sulfate	mg/L	J+	m
MW-61 MW-61D MW-2102 MW-2107 MW-2110 MW-2112 MW-2114 PZ-61 PZ-2107 PZ-2110 PZ-2112 PZ-2114	Chloride	mg/L	J+	m
MW-82 MW-82D MW-2103 MW-2103D MW-2106 MW-2113 PZ-2103 PZ-2103D PZ-2301 PZ-2301D	Sulfate	mg/L	J+	m

**Table 1 - Data Validation Summary of Qualified Data**

Sample ID		Analyte	Units	Validation Qualifier	Reason Code
MW-82	MW-82D	Total organic carbon	ug/L	J-	m
MW-2101	MW-2103				
MW-2103D	MW-2106				
MW-2111	MW-2113				
PZ-2101	PZ-2103				
PZ-2103D	PZ-2111				
PZ-2113	PZ-2301				
PZ-2301D					
MW-2103		Iron (total and diss)	mg/L	J	dt
MW-2103	MW-2301	Manganese (total and diss)	mg/L	J	dt
MW-2301D					
MW-61	MW-61D	Methane	ug/L	J	fd
W-82	MW-82D	Nickel, dissolved	mg/L	J	fd
		Chemical Oxygen Demand	mg/L		
MW-2103	MW-2103D	trans-1,2-Dichloroethene	ug/L	J	fd
		Calcium, dissolved	mg/L		
		Iron, dissolved	mg/L		
MW-2301	MW-2301D	Vinyl chloride	ug/L	J/UJ	fd
		Iron, dissolved	mg/L		
		Iron, total	mg/L		
		Manganese, dissolved	mg/L		
		Manganese, total	mg/L		
PZ-2103	PZ-2103D	Ethene	ug/L	J	fd
		Iron, dissolved	mg/L		

**Qualifier**

**Definition**

J The analyte was positively identified. The associated numerical value is estimated (+/- indicate the direction of bias).

UJ The analyte was not detected above the detection limit. However, the associated value is approximate and may or may not represent the actual reporting limit necessary to accurately and precisely measure the analyte in the sample.

**Reason Codes**

**Description**

dt Dissolved greater than total by more than 20% (metals)  
 fd Field duplicate  
 hs Headspace  
 m Matrix Spike  
 mb Method blank

August 03, 2022

Lanette Altenbach  
AECOM, Inc.  
1555 N River Center Drive  
Suite 214  
Milwaukee, WI 53212

RE: Project: 60682984.1F KEP  
Pace Project No.: 40248749

Dear Lanette Altenbach:

Enclosed are the analytical results for sample(s) received by the laboratory on July 26, 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,



Christopher Hyska  
christopher.hyska@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: Keith Nielsen, AECOM



## REPORT OF LABORATORY ANALYSIS

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



## CERTIFICATIONS

Project: 60682984.1F KEP

Pace Project No.: 40248749

---

### **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

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

## SAMPLE SUMMARY

Project: 60682984.1F KEP  
Pace Project No.: 40248749

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40248749001	MW-2108	Water	07/25/22 09:40	07/26/22 08:45
40248749002	MW-2110	Water	07/25/22 10:00	07/26/22 08:45
40248749003	PZ-2110	Water	07/25/22 10:50	07/26/22 08:45
40248749004	MW-2107	Water	07/25/22 10:30	07/26/22 08:45
40248749005	PZ-2107	Water	07/25/22 11:20	07/26/22 08:45
40248749006	MW-2109	Water	07/25/22 12:25	07/26/22 08:45
40248749007	PZ-2109	Water	07/25/22 13:00	07/26/22 08:45
40248749008	MW-2114	Water	07/25/22 12:40	07/26/22 08:45
40248749009	PZ-2114	Water	07/25/22 13:30	07/26/22 08:45
40248749010	MW-61	Water	07/25/22 14:30	07/26/22 08:45
40248749011	MW-61D	Water	07/25/22 14:30	07/26/22 08:45
40248749012	PZ-61	Water	07/25/22 16:00	07/26/22 08:45
40248749013	MW-2112	Water	07/25/22 15:00	07/26/22 08:45
40248749014	PZ-2112	Water	07/25/22 15:50	07/26/22 08:45
40248749015	MW-2102	Water	07/25/22 14:55	07/26/22 08:45
40248749016	MW-2104	Water	07/25/22 16:00	07/26/22 08:45
40248749017	TRIP BLANK	Water	07/25/22 06:00	07/26/22 08:45

## REPORT OF LABORATORY ANALYSIS

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

### SAMPLE ANALYTE COUNT

Project: 60682984.1F KEP  
Pace Project No.: 40248749

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40248749001	MW-2108	EPA 8260	EIB	63	PASI-G
40248749002	MW-2110	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	10	PASI-G
		EPA 8260	EIB	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40248749003	PZ-2110	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	10	PASI-G
		EPA 8260	EIB	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40248749004	MW-2107	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	EIB	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40248749005	PZ-2107	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	EIB	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G

### REPORT OF LABORATORY ANALYSIS

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

### SAMPLE ANALYTE COUNT

Project: 60682984.1F KEP  
Pace Project No.: 40248749

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40248749006	MW-2109	EPA 8260	EIB	63	PASI-G
40248749007	PZ-2109	EPA 8260	EIB	63	PASI-G
40248749008	MW-2114	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	EIB	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40248749009	PZ-2114	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	EIB	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40248749010	MW-61	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	EIB	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40248749011	MW-61D	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	EIB	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G

### REPORT OF LABORATORY ANALYSIS

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

### SAMPLE ANALYTE COUNT

Project: 60682984.1F KEP  
Pace Project No.: 40248749

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40248749012	PZ-61	SM 5310C	TJJ	1	PASI-G
		EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	EIB	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
40248749013	MW-2112	SM 5310C	TJJ	1	PASI-G
		EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	EIB	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
40248749014	PZ-2112	SM 5310C	TJJ	1	PASI-G
		EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	EIB	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
40248749015	MW-2102	SM 5310C	TJJ	1	PASI-G
		EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	EIB	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
	SM 5310C	TJJ	1	PASI-G	

### REPORT OF LABORATORY ANALYSIS

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

### SAMPLE ANALYTE COUNT

Project: 60682984.1F KEP  
Pace Project No.: 40248749

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40248749016	MW-2104	EPA 8260	EIB	63	PASI-G
40248749017	TRIP BLANK	EPA 8260	EIB	63	PASI-G

PASI-G = Pace Analytical Services - Green Bay

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: 60682984.1F KEP

Pace Project No.: 40248749

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40248749001</b>	<b>MW-2108</b>					
EPA 8260	Vinyl chloride	2.0	ug/L	1.0	07/28/22 10:11	
<b>40248749002</b>	<b>MW-2110</b>					
EPA 6020B	Iron	1.1	mg/L	0.25	07/28/22 08:10	
EPA 6020B	Manganese	0.39	mg/L	0.0040	07/28/22 08:10	
EPA 6020B	Barium, Dissolved	0.075	mg/L	0.0023	07/28/22 02:37	
EPA 6020B	Calcium, Dissolved	146	mg/L	2.5	07/28/22 02:08	P6
EPA 6020B	Iron, Dissolved	0.85	mg/L	0.25	07/28/22 02:37	
EPA 6020B	Magnesium, Dissolved	38.9	mg/L	2.5	07/28/22 02:08	
EPA 6020B	Manganese, Dissolved	0.37	mg/L	0.0040	07/28/22 02:37	
EPA 6020B	Nickel, Dissolved	0.0019	mg/L	0.0010	07/28/22 02:37	
EPA 6020B	Potassium, Dissolved	8.3	mg/L	0.79	07/28/22 02:37	
EPA 6020B	Sodium, Dissolved	197	mg/L	2.5	07/28/22 02:08	P6
EPA 8260	cis-1,2-Dichloroethene	5.7	ug/L	1.0	07/27/22 13:15	
EPA 8260	Vinyl chloride	6.6	ug/L	1.0	07/27/22 13:15	
EPA 300.0	Chloride	169	mg/L	40.0	07/27/22 13:07	M0
EPA 300.0	Sulfate	374	mg/L	40.0	07/27/22 13:07	
EPA 310.2	Alkalinity, Total as CaCO3	371	mg/L	25.0	07/28/22 10:05	
SM 5310C	Total Organic Carbon	2.8	mg/L	0.50	08/02/22 14:32	
<b>40248749003</b>	<b>PZ-2110</b>					
EPA 8015B Modified	Methane	2.2J	ug/L	2.8	07/29/22 11:27	
EPA 6020B	Iron	1.4	mg/L	0.25	07/28/22 08:40	
EPA 6020B	Manganese	0.19	mg/L	0.0040	07/28/22 08:40	
EPA 6020B	Barium, Dissolved	0.060	mg/L	0.0023	07/28/22 03:21	
EPA 6020B	Calcium, Dissolved	199	mg/L	0.25	07/28/22 03:21	
EPA 6020B	Iron, Dissolved	1.1	mg/L	0.25	07/28/22 03:21	
EPA 6020B	Magnesium, Dissolved	80.5	mg/L	0.25	07/28/22 03:21	
EPA 6020B	Manganese, Dissolved	0.18	mg/L	0.0040	07/28/22 03:21	
EPA 6020B	Nickel, Dissolved	0.0031	mg/L	0.0010	07/28/22 03:21	
EPA 6020B	Potassium, Dissolved	3.9	mg/L	0.79	07/28/22 03:21	
EPA 6020B	Sodium, Dissolved	264	mg/L	2.5	07/28/22 10:37	
EPA 300.0	Chloride	645	mg/L	40.0	07/27/22 14:33	
EPA 300.0	Sulfate	351	mg/L	40.0	07/27/22 14:33	
EPA 310.2	Alkalinity, Total as CaCO3	323	mg/L	25.0	07/28/22 10:06	
SM 5310C	Total Organic Carbon	2.5	mg/L	0.50	08/02/22 15:45	
<b>40248749004</b>	<b>MW-2107</b>					
EPA 8015B Modified	Ethane	15.1	ug/L	5.6	07/29/22 11:34	
EPA 8015B Modified	Ethene	14.3	ug/L	5.0	07/29/22 11:34	
EPA 8015B Modified	Methane	3510	ug/L	112	07/29/22 14:50	
EPA 6020B	Iron	70.8	mg/L	0.25	07/28/22 09:09	
EPA 6020B	Manganese	0.12	mg/L	0.0040	07/28/22 09:09	
EPA 6020B	Barium, Dissolved	0.051	mg/L	0.0023	07/28/22 03:36	
EPA 6020B	Iron, Dissolved	66.6	mg/L	0.25	07/28/22 03:36	
EPA 6020B	Manganese, Dissolved	0.13	mg/L	0.0040	07/28/22 03:36	D9
EPA 6020B	Nickel, Dissolved	0.0013	mg/L	0.0010	07/28/22 03:36	
EPA 8260	Benzene	2.0	ug/L	1.0	07/27/22 13:57	
EPA 8260	Chloroethane	9.9	ug/L	5.0	07/27/22 13:57	

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: 60682984.1F KEP  
Pace Project No.: 40248749

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40248749004</b>	<b>MW-2107</b>					
EPA 8260	1,1-Dichloroethane	0.82J	ug/L	1.0	07/27/22 13:57	
EPA 8260	1,2-Dichloroethane	0.31J	ug/L	1.0	07/27/22 13:57	
EPA 8260	cis-1,2-Dichloroethene	12.3	ug/L	1.0	07/27/22 13:57	
EPA 8260	Toluene	0.34J	ug/L	1.0	07/27/22 13:57	
EPA 8260	Vinyl chloride	286	ug/L	2.0	07/28/22 13:38	
EPA 300.0	Chloride	44.3	mg/L	10.0	07/27/22 14:47	
EPA 300.0	Sulfate	5.0J	mg/L	10.0	07/27/22 14:47	D3
EPA 310.2	Alkalinity, Total as CaCO3	590	mg/L	50.0	07/28/22 10:07	
EPA 410.4	Chemical Oxygen Demand	995	mg/L	50.0	08/02/22 10:14	
SM 5310C	Total Organic Carbon	363	mg/L	30.0	08/02/22 16:42	
<b>40248749005</b>	<b>PZ-2107</b>					
EPA 8015B Modified	Ethane	2.4J	ug/L	5.6	07/29/22 11:41	
EPA 8015B Modified	Ethene	20.1	ug/L	5.0	07/29/22 11:41	
EPA 8015B Modified	Methane	108	ug/L	2.8	07/29/22 11:41	
EPA 6020B	Iron	2.6	mg/L	0.25	07/28/22 09:16	
EPA 6020B	Manganese	0.16	mg/L	0.0040	07/28/22 09:16	
EPA 6020B	Barium, Dissolved	0.052	mg/L	0.0023	07/28/22 03:43	
EPA 6020B	Iron, Dissolved	2.2	mg/L	0.25	07/28/22 03:43	
EPA 6020B	Manganese, Dissolved	0.14	mg/L	0.0040	07/28/22 03:43	
EPA 6020B	Nickel, Dissolved	0.0046	mg/L	0.0010	07/28/22 03:43	
EPA 8260	cis-1,2-Dichloroethene	636	ug/L	10.0	07/27/22 17:24	
EPA 8260	trans-1,2-Dichloroethene	11.6	ug/L	10.0	07/27/22 17:24	
EPA 8260	Vinyl chloride	376	ug/L	10.0	07/27/22 17:24	
EPA 300.0	Chloride	406	mg/L	20.0	07/27/22 15:02	
EPA 300.0	Sulfate	293	mg/L	20.0	07/27/22 15:02	
EPA 310.2	Alkalinity, Total as CaCO3	302	mg/L	25.0	07/28/22 10:08	
EPA 410.4	Chemical Oxygen Demand	52.3	mg/L	50.0	08/02/22 10:15	
SM 5310C	Total Organic Carbon	5.8	mg/L	0.50	08/02/22 16:59	
<b>40248749006</b>	<b>MW-2109</b>					
EPA 8260	cis-1,2-Dichloroethene	99.6	ug/L	1.0	07/27/22 14:18	
EPA 8260	trans-1,2-Dichloroethene	2.2	ug/L	1.0	07/27/22 14:18	
EPA 8260	Vinyl chloride	70.4	ug/L	1.0	07/27/22 14:18	
<b>40248749007</b>	<b>PZ-2109</b>					
EPA 8260	cis-1,2-Dichloroethene	3.4	ug/L	1.0	07/28/22 10:31	
EPA 8260	Vinyl chloride	12.8	ug/L	1.0	07/28/22 10:31	
<b>40248749008</b>	<b>MW-2114</b>					
EPA 8015B Modified	Ethane	22.6	ug/L	5.6	07/29/22 11:48	
EPA 8015B Modified	Ethene	4.1J	ug/L	5.0	07/29/22 11:48	
EPA 8015B Modified	Methane	1480	ug/L	56.0	07/29/22 14:57	
EPA 6020B	Iron	1.1	mg/L	0.25	07/28/22 09:24	
EPA 6020B	Manganese	0.15	mg/L	0.0040	07/28/22 09:24	
EPA 6020B	Barium, Dissolved	0.19	mg/L	0.0023	07/28/22 03:51	
EPA 6020B	Iron, Dissolved	0.82	mg/L	0.25	07/28/22 03:51	
EPA 6020B	Manganese, Dissolved	0.16	mg/L	0.0040	07/28/22 03:51	D9
EPA 6020B	Nickel, Dissolved	0.0044	mg/L	0.0010	07/28/22 03:51	

### REPORT OF LABORATORY ANALYSIS

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



### SUMMARY OF DETECTION

Project: 60682984.1F KEP

Pace Project No.: 40248749

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40248749008</b>	<b>MW-2114</b>					
EPA 8260	1,1-Dichloroethane	0.30J	ug/L	1.0	07/27/22 12:13	
EPA 8260	cis-1,2-Dichloroethene	5.4	ug/L	1.0	07/27/22 12:13	
EPA 8260	Vinyl chloride	3.4	ug/L	1.0	07/27/22 12:13	
EPA 300.0	Chloride	110	mg/L	10.0	07/27/22 15:16	
EPA 300.0	Sulfate	55.4	mg/L	10.0	07/27/22 15:16	
EPA 310.2	Alkalinity, Total as CaCO3	480	mg/L	50.0	07/28/22 10:09	
EPA 410.4	Chemical Oxygen Demand	131	mg/L	50.0	08/02/22 10:15	
SM 5310C	Total Organic Carbon	29.7	mg/L	15.0	08/02/22 17:16	
<b>40248749009</b>	<b>PZ-2114</b>					
EPA 8015B Modified	Methane	58.5	ug/L	2.8	07/29/22 11:55	
EPA 6020B	Iron	0.060J	mg/L	0.25	07/28/22 09:31	
EPA 6020B	Manganese	0.015	mg/L	0.0040	07/28/22 09:31	
EPA 6020B	Barium, Dissolved	0.14	mg/L	0.0023	07/28/22 03:58	
EPA 6020B	Manganese, Dissolved	0.015	mg/L	0.0040	07/28/22 03:58	
EPA 6020B	Nickel, Dissolved	0.0027	mg/L	0.0010	07/28/22 03:58	
EPA 300.0	Chloride	117	mg/L	20.0	07/27/22 15:39	
EPA 300.0	Sulfate	177	mg/L	20.0	07/27/22 15:39	
EPA 310.2	Alkalinity, Total as CaCO3	199	mg/L	25.0	07/28/22 10:10	
EPA 410.4	Chemical Oxygen Demand	39.1J	mg/L	50.0	08/02/22 10:15	
SM 5310C	Total Organic Carbon	3.6	mg/L	0.50	08/02/22 17:32	
<b>40248749010</b>	<b>MW-61</b>					
EPA 8015B Modified	Ethane	49.9	ug/L	5.6	07/29/22 12:02	
EPA 8015B Modified	Ethene	268	ug/L	5.0	07/29/22 12:02	
EPA 8015B Modified	Methane	1390	ug/L	28.0	07/29/22 15:04	
EPA 6020B	Iron	2.4	mg/L	0.25	07/28/22 09:39	
EPA 6020B	Manganese	0.23	mg/L	0.0040	07/28/22 09:39	
EPA 6020B	Barium, Dissolved	0.13	mg/L	0.0023	07/28/22 04:05	
EPA 6020B	Iron, Dissolved	2.4	mg/L	0.25	07/28/22 04:05	
EPA 6020B	Manganese, Dissolved	0.24	mg/L	0.0040	07/28/22 04:05	D9
EPA 6020B	Nickel, Dissolved	0.0013	mg/L	0.0010	07/28/22 04:05	
EPA 8260	Benzene	13.1	ug/L	10.0	07/27/22 17:45	
EPA 8260	1,1-Dichloroethene	8.0J	ug/L	10.0	07/27/22 17:45	
EPA 8260	cis-1,2-Dichloroethene	4720	ug/L	50.0	07/28/22 11:34	
EPA 8260	trans-1,2-Dichloroethene	37.2	ug/L	10.0	07/27/22 17:45	
EPA 8260	Trichloroethene	168	ug/L	10.0	07/27/22 17:45	
EPA 8260	Vinyl chloride	3020	ug/L	50.0	07/28/22 11:34	
EPA 300.0	Chloride	405	mg/L	40.0	07/28/22 15:49	
EPA 300.0	Sulfate	91.7	mg/L	10.0	07/27/22 15:53	
EPA 310.2	Alkalinity, Total as CaCO3	393	mg/L	25.0	07/28/22 10:14	
EPA 410.4	Chemical Oxygen Demand	54.5	mg/L	50.0	08/02/22 10:15	
SM 5310C	Total Organic Carbon	5.0	mg/L	0.50	08/02/22 17:49	
<b>40248749011</b>	<b>MW-61D</b>					
EPA 8015B Modified	Ethane	54.1	ug/L	5.6	07/29/22 12:09	
EPA 8015B Modified	Ethene	288	ug/L	5.0	07/29/22 12:09	
EPA 8015B Modified	Methane	1890	ug/L	56.0	07/29/22 15:10	
EPA 6020B	Iron	2.4	mg/L	0.25	07/28/22 09:46	

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: 60682984.1F KEP  
Pace Project No.: 40248749

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40248749011</b>	<b>MW-61D</b>					
EPA 6020B	Manganese	0.23	mg/L	0.0040	07/28/22 09:46	
EPA 6020B	Barium, Dissolved	0.13	mg/L	0.0023	07/28/22 04:13	
EPA 6020B	Iron, Dissolved	2.3	mg/L	0.25	07/28/22 04:13	
EPA 6020B	Manganese, Dissolved	0.23	mg/L	0.0040	07/28/22 04:13	
EPA 6020B	Nickel, Dissolved	0.0012	mg/L	0.0010	07/28/22 04:13	
EPA 8260	Benzene	13.2	ug/L	10.0	07/27/22 18:06	
EPA 8260	1,1-Dichloroethene	9.8J	ug/L	10.0	07/27/22 18:06	
EPA 8260	cis-1,2-Dichloroethene	4670	ug/L	50.0	07/28/22 11:54	
EPA 8260	trans-1,2-Dichloroethene	46.2	ug/L	10.0	07/27/22 18:06	
EPA 8260	Trichloroethene	167	ug/L	10.0	07/27/22 18:06	
EPA 8260	Vinyl chloride	3030	ug/L	50.0	07/28/22 11:54	
EPA 300.0	Chloride	402	mg/L	20.0	07/27/22 16:07	
EPA 300.0	Sulfate	94.8	mg/L	20.0	07/27/22 16:07	
EPA 310.2	Alkalinity, Total as CaCO3	412	mg/L	50.0	07/28/22 10:15	MO
EPA 410.4	Chemical Oxygen Demand	34.7J	mg/L	50.0	08/02/22 10:15	
SM 5310C	Total Organic Carbon	5.1	mg/L	0.50	08/02/22 18:08	
<b>40248749012</b>	<b>PZ-61</b>					
EPA 8015B Modified	Ethane	12.9	ug/L	5.6	07/29/22 12:16	
EPA 8015B Modified	Methane	6550	ug/L	140	07/29/22 15:17	
EPA 6020B	Iron	146	mg/L	1.2	07/28/22 09:53	
EPA 6020B	Manganese	0.40	mg/L	0.020	07/28/22 09:53	
EPA 6020B	Barium, Dissolved	0.46	mg/L	0.0047	07/28/22 05:11	
EPA 6020B	Iron, Dissolved	138	mg/L	0.25	07/28/22 10:52	
EPA 6020B	Manganese, Dissolved	0.28	mg/L	0.0040	07/28/22 10:52	
EPA 6020B	Nickel, Dissolved	0.0076	mg/L	0.0010	07/28/22 10:52	
EPA 8260	cis-1,2-Dichloroethene	2.6	ug/L	1.0	07/28/22 09:29	
EPA 8260	Toluene	1.1	ug/L	1.0	07/28/22 09:29	
EPA 8260	Vinyl chloride	0.66J	ug/L	1.0	07/28/22 09:29	
EPA 300.0	Chloride	710	mg/L	40.0	07/28/22 16:06	
EPA 310.2	Alkalinity, Total as CaCO3	720	mg/L	125	07/28/22 11:03	
EPA 410.4	Chemical Oxygen Demand	380	mg/L	50.0	08/02/22 10:20	
SM 5310C	Total Organic Carbon	85.5	mg/L	15.0	08/02/22 18:26	
<b>40248749013</b>	<b>MW-2112</b>					
EPA 8015B Modified	Ethane	2.4J	ug/L	5.6	07/29/22 12:22	
EPA 8015B Modified	Ethane	41.8	ug/L	5.0	07/29/22 12:22	
EPA 8015B Modified	Methane	793	ug/L	28.0	07/29/22 15:24	
EPA 6020B	Iron	4.4	mg/L	0.25	07/28/22 10:01	
EPA 6020B	Manganese	0.31	mg/L	0.0040	07/28/22 10:01	
EPA 6020B	Barium, Dissolved	0.088	mg/L	0.0023	07/28/22 04:57	
EPA 6020B	Iron, Dissolved	3.5	mg/L	0.25	07/28/22 04:57	
EPA 6020B	Manganese, Dissolved	0.31	mg/L	0.0040	07/28/22 04:57	
EPA 6020B	Nickel, Dissolved	0.0022	mg/L	0.0010	07/28/22 04:57	
EPA 8260	Benzene	0.42J	ug/L	1.0	07/27/22 15:20	
EPA 8260	1,1-Dichloroethene	1.1	ug/L	1.0	07/27/22 15:20	
EPA 8260	cis-1,2-Dichloroethene	739	ug/L	10.0	07/28/22 11:13	
EPA 8260	trans-1,2-Dichloroethene	4.1	ug/L	1.0	07/27/22 15:20	

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: 60682984.1F KEP

Pace Project No.: 40248749

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40248749013</b>	<b>MW-2112</b>					
EPA 8260	Vinyl chloride	412	ug/L	10.0	07/28/22 11:13	
SM 4500-S F (2000)	Sulfide	2.2J	mg/L	4.0	07/29/22 13:56	
EPA 300.0	Chloride	70.4	mg/L	20.0	07/27/22 16:36	
EPA 300.0	Sulfate	392	mg/L	20.0	07/27/22 16:36	
EPA 310.2	Alkalinity, Total as CaCO3	298	mg/L	25.0	07/28/22 10:19	
EPA 410.4	Chemical Oxygen Demand	54.5	mg/L	50.0	08/02/22 10:20	
SM 5310C	Total Organic Carbon	16.0	mg/L	15.0	08/02/22 19:02	
<b>40248749014</b>	<b>PZ-2112</b>					
EPA 8015B Modified	Methane	1750	ug/L	28.0	07/29/22 15:31	
EPA 6020B	Iron	1.2	mg/L	0.25	07/28/22 10:08	
EPA 6020B	Manganese	0.12	mg/L	0.0040	07/28/22 10:08	
EPA 6020B	Barium, Dissolved	0.28	mg/L	0.0023	07/28/22 05:19	
EPA 6020B	Iron, Dissolved	1.1	mg/L	0.25	07/28/22 05:19	
EPA 6020B	Manganese, Dissolved	0.12	mg/L	0.0040	07/28/22 05:19	
EPA 6020B	Nickel, Dissolved	0.00031J	mg/L	0.0010	07/28/22 05:19	
EPA 8260	Vinyl chloride	0.45J	ug/L	1.0	07/28/22 09:50	
SM 4500-S F (2000)	Sulfide	1.8J	mg/L	4.0	07/29/22 14:04	
EPA 300.0	Chloride	189	mg/L	40.0	07/27/22 16:50	D3
EPA 300.0	Sulfate	38.0J	mg/L	40.0	07/27/22 16:50	
EPA 310.2	Alkalinity, Total as CaCO3	542	mg/L	50.0	07/28/22 10:20	
EPA 410.4	Chemical Oxygen Demand	18.0J	mg/L	52.6	08/02/22 10:21	
SM 5310C	Total Organic Carbon	3.7	mg/L	0.50	08/02/22 19:18	
<b>40248749015</b>	<b>MW-2102</b>					
EPA 8015B Modified	Ethane	7.1	ug/L	5.6	07/29/22 12:59	
EPA 8015B Modified	Ethene	12.5	ug/L	5.0	07/29/22 12:59	
EPA 8015B Modified	Methane	6640	ug/L	70.0	07/29/22 15:38	
EPA 6020B	Iron	221	mg/L	1.2	07/28/22 10:15	
EPA 6020B	Manganese	1.9	mg/L	0.020	07/28/22 10:15	
EPA 6020B	Barium, Dissolved	0.011	mg/L	0.0047	07/28/22 05:04	
EPA 6020B	Iron, Dissolved	237	mg/L	0.50	07/28/22 05:04	D9
EPA 6020B	Manganese, Dissolved	1.8	mg/L	0.0081	07/28/22 05:04	
EPA 8260	Benzene	0.85J	ug/L	2.0	07/27/22 18:26	
EPA 8260	1,1-Dichloroethane	0.91J	ug/L	2.0	07/27/22 18:26	
EPA 8260	cis-1,2-Dichloroethene	327	ug/L	2.0	07/27/22 18:26	
EPA 8260	trans-1,2-Dichloroethene	1.6J	ug/L	2.0	07/27/22 18:26	
EPA 8260	Trichloroethene	0.87J	ug/L	2.0	07/27/22 18:26	
EPA 8260	Vinyl chloride	144	ug/L	2.0	07/27/22 18:26	
EPA 300.0	Chloride	124	mg/L	10.0	07/27/22 17:48	
EPA 310.2	Alkalinity, Total as CaCO3	1170	mg/L	125	07/28/22 10:21	
EPA 410.4	Chemical Oxygen Demand	4130	mg/L	500	08/03/22 08:38	
SM 5310C	Total Organic Carbon	1570	mg/L	150	08/02/22 19:33	
<b>40248749016</b>	<b>MW-2104</b>					
EPA 8260	cis-1,2-Dichloroethene	2.6	ug/L	1.0	07/27/22 12:55	
EPA 8260	trans-1,2-Dichloroethene	0.61J	ug/L	1.0	07/27/22 12:55	
EPA 8260	Trichloroethene	0.39J	ug/L	1.0	07/27/22 12:55	
EPA 8260	Vinyl chloride	0.87J	ug/L	1.0	07/27/22 12:55	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: MW-2108**      **Lab ID: 40248749001**      Collected: 07/25/22 09:40      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/28/22 10:11	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 10:11	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/22 10:11	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 10:11	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/28/22 10:11	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/28/22 10:11	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 10:11	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/28/22 10:11	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/28/22 10:11	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/28/22 10:11	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 10:11	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/28/22 10:11	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/28/22 10:11	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/28/22 10:11	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 10:11	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 10:11	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/28/22 10:11	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/28/22 10:11	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/28/22 10:11	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/28/22 10:11	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 10:11	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 10:11	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/28/22 10:11	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/28/22 10:11	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 10:11	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/28/22 10:11	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/28/22 10:11	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/28/22 10:11	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/28/22 10:11	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/28/22 10:11	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/28/22 10:11	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/28/22 10:11	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/28/22 10:11	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/28/22 10:11	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/28/22 10:11	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 10:11	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 10:11	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/28/22 10:11	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/28/22 10:11	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/28/22 10:11	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/28/22 10:11	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 10:11	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/28/22 10:11	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 10:11	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/28/22 10:11	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: MW-2108**      **Lab ID: 40248749001**      Collected: 07/25/22 09:40      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/28/22 10:11	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/28/22 10:11	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/28/22 10:11	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/28/22 10:11	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/28/22 10:11	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/22 10:11	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 10:11	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/28/22 10:11	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/28/22 10:11	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 10:11	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/28/22 10:11	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/28/22 10:11	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 10:11	108-67-8	
Vinyl chloride	2.0	ug/L	1.0	0.17	1		07/28/22 10:11	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/28/22 10:11	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		07/28/22 10:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		07/28/22 10:11	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		07/28/22 10:11	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248749

**Sample: MW-2110**      **Lab ID: 40248749002**      Collected: 07/25/22 10:00      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	<0.39	ug/L	5.6	0.39	1		07/29/22 11:20	74-84-0	
Ethene	<0.25	ug/L	5.0	0.25	1		07/29/22 11:20	74-85-1	
Methane	<0.58	ug/L	2.8	0.58	1		07/29/22 11:20	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Iron	1.1	mg/L	0.25	0.058	1	07/27/22 05:36	07/28/22 08:10	7439-89-6	
Manganese	0.39	mg/L	0.0040	0.0012	1	07/27/22 05:36	07/28/22 08:10	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Barium, Dissolved	0.075	mg/L	0.0023	0.00070	1	07/27/22 05:21	07/28/22 02:37	7440-39-3	
Calcium, Dissolved	146	mg/L	2.5	0.76	10	07/27/22 05:21	07/28/22 02:08	7440-70-2	P6
Chromium, Dissolved	<0.0010	mg/L	0.0034	0.0010	1	07/27/22 05:21	07/28/22 02:37	7440-47-3	
Iron, Dissolved	0.85	mg/L	0.25	0.058	1	07/27/22 05:21	07/28/22 02:37	7439-89-6	
Lead, Dissolved	<0.00024	mg/L	0.0010	0.00024	1	07/27/22 05:21	07/28/22 02:37	7439-92-1	
Magnesium, Dissolved	38.9	mg/L	2.5	0.31	10	07/27/22 05:21	07/28/22 02:08	7439-95-4	
Manganese, Dissolved	0.37	mg/L	0.0040	0.0012	1	07/27/22 05:21	07/28/22 02:37	7439-96-5	
Nickel, Dissolved	0.0019	mg/L	0.0010	0.00028	1	07/27/22 05:21	07/28/22 02:37	7440-02-0	
Potassium, Dissolved	8.3	mg/L	0.79	0.24	1	07/27/22 05:21	07/28/22 02:37	7440-09-7	
Sodium, Dissolved	197	mg/L	2.5	0.42	10	07/27/22 05:21	07/28/22 02:08	7440-23-5	P6
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/27/22 13:15	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/27/22 13:15	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/27/22 13:15	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/27/22 13:15	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/27/22 13:15	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/27/22 13:15	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/27/22 13:15	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/27/22 13:15	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/27/22 13:15	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/27/22 13:15	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/27/22 13:15	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/27/22 13:15	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/27/22 13:15	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/27/22 13:15	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/27/22 13:15	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/27/22 13:15	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/27/22 13:15	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/27/22 13:15	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/27/22 13:15	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/27/22 13:15	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/27/22 13:15	95-50-1	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: MW-2110**      **Lab ID: 40248749002**      Collected: 07/25/22 10:00      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/27/22 13:15	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/27/22 13:15	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/27/22 13:15	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/27/22 13:15	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/27/22 13:15	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/27/22 13:15	75-35-4	
cis-1,2-Dichloroethene	5.7	ug/L	1.0	0.47	1		07/27/22 13:15	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/27/22 13:15	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/27/22 13:15	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/27/22 13:15	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/27/22 13:15	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/27/22 13:15	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/27/22 13:15	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/27/22 13:15	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/27/22 13:15	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/27/22 13:15	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/27/22 13:15	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/27/22 13:15	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/27/22 13:15	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/27/22 13:15	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/27/22 13:15	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/27/22 13:15	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/27/22 13:15	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/27/22 13:15	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/27/22 13:15	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/27/22 13:15	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/27/22 13:15	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/27/22 13:15	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/27/22 13:15	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/27/22 13:15	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/27/22 13:15	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/27/22 13:15	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/27/22 13:15	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/27/22 13:15	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/27/22 13:15	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/27/22 13:15	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/27/22 13:15	108-67-8	
Vinyl chloride	6.6	ug/L	1.0	0.17	1		07/27/22 13:15	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/27/22 13:15	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		07/27/22 13:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		07/27/22 13:15	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		07/27/22 13:15	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: MW-2110**      **Lab ID: 40248749002**      Collected: 07/25/22 10:00      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000) Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		07/28/22 14:41		
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	169	mg/L	40.0	8.6	20		07/27/22 13:07	16887-00-6	M0
Sulfate	374	mg/L	40.0	8.9	20		07/27/22 13:07	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	371	mg/L	25.0	7.4	1		07/28/22 10:05		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<15.5	mg/L	52.6	15.5	1	08/02/22 06:55	08/02/22 10:13		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	2.8	mg/L	0.50	0.14	1		08/02/22 14:32	7440-44-0	

### REPORT OF LABORATORY ANALYSIS

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



### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248749

**Sample: PZ-2110**      **Lab ID: 40248749003**      Collected: 07/25/22 10:50      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<0.39	ug/L	5.6	0.39	1		07/29/22 11:27	74-84-0	
Ethene	<0.25	ug/L	5.0	0.25	1		07/29/22 11:27	74-85-1	
Methane	2.2J	ug/L	2.8	0.58	1		07/29/22 11:27	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	1.4	mg/L	0.25	0.058	1	07/27/22 05:36	07/28/22 08:40	7439-89-6	
Manganese	0.19	mg/L	0.0040	0.0012	1	07/27/22 05:36	07/28/22 08:40	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Barium, Dissolved	0.060	mg/L	0.0023	0.00070	1	07/27/22 05:21	07/28/22 03:21	7440-39-3	
Calcium, Dissolved	199	mg/L	0.25	0.076	1	07/27/22 05:21	07/28/22 03:21	7440-70-2	
Chromium, Dissolved	<0.0010	mg/L	0.0034	0.0010	1	07/27/22 05:21	07/28/22 03:21	7440-47-3	
Iron, Dissolved	1.1	mg/L	0.25	0.058	1	07/27/22 05:21	07/28/22 03:21	7439-89-6	
Lead, Dissolved	<0.00024	mg/L	0.0010	0.00024	1	07/27/22 05:21	07/28/22 03:21	7439-92-1	
Magnesium, Dissolved	80.5	mg/L	0.25	0.031	1	07/27/22 05:21	07/28/22 03:21	7439-95-4	
Manganese, Dissolved	0.18	mg/L	0.0040	0.0012	1	07/27/22 05:21	07/28/22 03:21	7439-96-5	
Nickel, Dissolved	0.0031	mg/L	0.0010	0.00028	1	07/27/22 05:21	07/28/22 03:21	7440-02-0	
Potassium, Dissolved	3.9	mg/L	0.79	0.24	1	07/27/22 05:21	07/28/22 03:21	7440-09-7	
Sodium, Dissolved	264	mg/L	2.5	0.42	10	07/27/22 05:21	07/28/22 10:37	7440-23-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/27/22 13:36	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/27/22 13:36	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/27/22 13:36	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/27/22 13:36	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/27/22 13:36	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/27/22 13:36	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/27/22 13:36	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/27/22 13:36	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/27/22 13:36	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/27/22 13:36	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/27/22 13:36	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/27/22 13:36	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/27/22 13:36	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/27/22 13:36	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/27/22 13:36	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/27/22 13:36	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/27/22 13:36	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/27/22 13:36	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/27/22 13:36	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/27/22 13:36	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/27/22 13:36	95-50-1	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: PZ-2110**      **Lab ID: 40248749003**      Collected: 07/25/22 10:50      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/27/22 13:36	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/27/22 13:36	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/27/22 13:36	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/27/22 13:36	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/27/22 13:36	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/27/22 13:36	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/27/22 13:36	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/27/22 13:36	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/27/22 13:36	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/27/22 13:36	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/27/22 13:36	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/27/22 13:36	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/27/22 13:36	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/27/22 13:36	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/27/22 13:36	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/27/22 13:36	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/27/22 13:36	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/27/22 13:36	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/27/22 13:36	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/27/22 13:36	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/27/22 13:36	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/27/22 13:36	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/27/22 13:36	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/27/22 13:36	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/27/22 13:36	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/27/22 13:36	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/27/22 13:36	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/27/22 13:36	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/27/22 13:36	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/27/22 13:36	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/27/22 13:36	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/27/22 13:36	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/27/22 13:36	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/27/22 13:36	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/27/22 13:36	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/27/22 13:36	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/27/22 13:36	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/27/22 13:36	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/27/22 13:36	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		07/27/22 13:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		07/27/22 13:36	2199-69-1	
Toluene-d8 (S)	95	%	70-130		1		07/27/22 13:36	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: PZ-2110**      **Lab ID: 40248749003**      Collected: 07/25/22 10:50      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000) Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		07/28/22 14:50		
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	645	mg/L	40.0	8.6	20		07/27/22 14:33	16887-00-6	
Sulfate	351	mg/L	40.0	8.9	20		07/27/22 14:33	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	323	mg/L	25.0	7.4	1		07/28/22 10:06		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<15.5	mg/L	52.6	15.5	1	08/02/22 06:55	08/02/22 10:13		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	2.5	mg/L	0.50	0.14	1		08/02/22 15:45	7440-44-0	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248749

**Sample: MW-2107**      **Lab ID: 40248749004**      Collected: 07/25/22 10:30      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	15.1	ug/L	5.6	0.39	1		07/29/22 11:34	74-84-0	
Ethene	14.3	ug/L	5.0	0.25	1		07/29/22 11:34	74-85-1	
Methane	3510	ug/L	112	23.0	40		07/29/22 14:50	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	70.8	mg/L	0.25	0.058	1	07/27/22 05:36	07/28/22 09:09	7439-89-6	
Manganese	0.12	mg/L	0.0040	0.0012	1	07/27/22 05:36	07/28/22 09:09	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Barium, Dissolved	0.051	mg/L	0.0023	0.00070	1	07/27/22 05:21	07/28/22 03:36	7440-39-3	
Chromium, Dissolved	<0.0010	mg/L	0.0034	0.0010	1	07/27/22 05:21	07/28/22 03:36	7440-47-3	
Iron, Dissolved	66.6	mg/L	0.25	0.058	1	07/27/22 05:21	07/28/22 03:36	7439-89-6	
Lead, Dissolved	<0.00024	mg/L	0.0010	0.00024	1	07/27/22 05:21	07/28/22 03:36	7439-92-1	
Manganese, Dissolved	0.13	mg/L	0.0040	0.0012	1	07/27/22 05:21	07/28/22 03:36	7439-96-5	D9
Nickel, Dissolved	0.0013	mg/L	0.0010	0.00028	1	07/27/22 05:21	07/28/22 03:36	7440-02-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	2.0	ug/L	1.0	0.30	1		07/27/22 13:57	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/27/22 13:57	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/27/22 13:57	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/27/22 13:57	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/27/22 13:57	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/27/22 13:57	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/27/22 13:57	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/27/22 13:57	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/27/22 13:57	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/27/22 13:57	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/27/22 13:57	108-90-7	
Chloroethane	9.9	ug/L	5.0	1.4	1		07/27/22 13:57	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/27/22 13:57	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/27/22 13:57	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/27/22 13:57	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/27/22 13:57	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/27/22 13:57	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/27/22 13:57	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/27/22 13:57	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/27/22 13:57	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/27/22 13:57	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/27/22 13:57	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/27/22 13:57	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/27/22 13:57	75-71-8	
1,1-Dichloroethane	0.82J	ug/L	1.0	0.30	1		07/27/22 13:57	75-34-3	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248749

**Sample: MW-2107**      **Lab ID: 40248749004**      Collected: 07/25/22 10:30      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	0.31J	ug/L	1.0	0.29	1		07/27/22 13:57	107-06-2	
1,1-Dichloroethane	<0.58	ug/L	1.0	0.58	1		07/27/22 13:57	75-35-4	
cis-1,2-Dichloroethene	12.3	ug/L	1.0	0.47	1		07/27/22 13:57	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/27/22 13:57	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/27/22 13:57	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/27/22 13:57	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/27/22 13:57	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/27/22 13:57	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/27/22 13:57	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/27/22 13:57	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/27/22 13:57	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/27/22 13:57	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/27/22 13:57	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/27/22 13:57	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/27/22 13:57	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/27/22 13:57	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/27/22 13:57	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/27/22 13:57	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/27/22 13:57	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/27/22 13:57	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/27/22 13:57	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/27/22 13:57	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/27/22 13:57	127-18-4	
Toluene	0.34J	ug/L	1.0	0.29	1		07/27/22 13:57	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/27/22 13:57	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/27/22 13:57	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/27/22 13:57	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/27/22 13:57	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/27/22 13:57	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/27/22 13:57	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/27/22 13:57	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/27/22 13:57	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/27/22 13:57	108-67-8	
Vinyl chloride	286	ug/L	2.0	0.35	2		07/28/22 13:38	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/27/22 13:57	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	70-130		1		07/27/22 13:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		07/27/22 13:57	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		07/27/22 13:57	2037-26-5	
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		07/28/22 14:51		

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248749

**Sample: MW-2107**      **Lab ID: 40248749004**      Collected: 07/25/22 10:30      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>44.3</b>	mg/L	10.0	2.2	5		07/27/22 14:47	16887-00-6	
Sulfate	<b>5.0J</b>	mg/L	10.0	2.2	5		07/27/22 14:47	14808-79-8	D3
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>590</b>	mg/L	50.0	14.9	2		07/28/22 10:07		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>995</b>	mg/L	50.0	14.7	1	08/02/22 06:55	08/02/22 10:14		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>363</b>	mg/L	30.0	8.3	60		08/02/22 16:42	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248749

**Sample: PZ-2107**      **Lab ID: 40248749005**      Collected: 07/25/22 11:20      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<b>2.4J</b>	ug/L	5.6	0.39	1		07/29/22 11:41	74-84-0	
Ethene	<b>20.1</b>	ug/L	5.0	0.25	1		07/29/22 11:41	74-85-1	
Methane	<b>108</b>	ug/L	2.8	0.58	1		07/29/22 11:41	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	<b>2.6</b>	mg/L	0.25	0.058	1	07/27/22 05:36	07/28/22 09:16	7439-89-6	
Manganese	<b>0.16</b>	mg/L	0.0040	0.0012	1	07/27/22 05:36	07/28/22 09:16	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Barium, Dissolved	<b>0.052</b>	mg/L	0.0023	0.00070	1	07/27/22 05:21	07/28/22 03:43	7440-39-3	
Chromium, Dissolved	<b>&lt;0.0010</b>	mg/L	0.0034	0.0010	1	07/27/22 05:21	07/28/22 03:43	7440-47-3	
Iron, Dissolved	<b>2.2</b>	mg/L	0.25	0.058	1	07/27/22 05:21	07/28/22 03:43	7439-89-6	
Lead, Dissolved	<b>&lt;0.00024</b>	mg/L	0.0010	0.00024	1	07/27/22 05:21	07/28/22 03:43	7439-92-1	
Manganese, Dissolved	<b>0.14</b>	mg/L	0.0040	0.0012	1	07/27/22 05:21	07/28/22 03:43	7439-96-5	
Nickel, Dissolved	<b>0.0046</b>	mg/L	0.0010	0.00028	1	07/27/22 05:21	07/28/22 03:43	7440-02-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<b>&lt;3.0</b>	ug/L	10.0	3.0	10		07/27/22 17:24	71-43-2	
Bromobenzene	<b>&lt;3.6</b>	ug/L	10.0	3.6	10		07/27/22 17:24	108-86-1	
Bromochloromethane	<b>&lt;3.6</b>	ug/L	50.0	3.6	10		07/27/22 17:24	74-97-5	
Bromodichloromethane	<b>&lt;4.2</b>	ug/L	10.0	4.2	10		07/27/22 17:24	75-27-4	
Bromoform	<b>&lt;38.0</b>	ug/L	50.0	38.0	10		07/27/22 17:24	75-25-2	
Bromomethane	<b>&lt;11.9</b>	ug/L	50.0	11.9	10		07/27/22 17:24	74-83-9	
n-Butylbenzene	<b>&lt;8.6</b>	ug/L	10.0	8.6	10		07/27/22 17:24	104-51-8	
sec-Butylbenzene	<b>&lt;4.2</b>	ug/L	10.0	4.2	10		07/27/22 17:24	135-98-8	
tert-Butylbenzene	<b>&lt;5.9</b>	ug/L	10.0	5.9	10		07/27/22 17:24	98-06-6	
Carbon tetrachloride	<b>&lt;3.7</b>	ug/L	10.0	3.7	10		07/27/22 17:24	56-23-5	
Chlorobenzene	<b>&lt;8.6</b>	ug/L	10.0	8.6	10		07/27/22 17:24	108-90-7	
Chloroethane	<b>&lt;13.8</b>	ug/L	50.0	13.8	10		07/27/22 17:24	75-00-3	
Chloroform	<b>&lt;11.8</b>	ug/L	50.0	11.8	10		07/27/22 17:24	67-66-3	
Chloromethane	<b>&lt;16.4</b>	ug/L	50.0	16.4	10		07/27/22 17:24	74-87-3	
2-Chlorotoluene	<b>&lt;8.9</b>	ug/L	50.0	8.9	10		07/27/22 17:24	95-49-8	
4-Chlorotoluene	<b>&lt;8.9</b>	ug/L	50.0	8.9	10		07/27/22 17:24	106-43-4	
1,2-Dibromo-3-chloropropane	<b>&lt;23.7</b>	ug/L	50.0	23.7	10		07/27/22 17:24	96-12-8	
Dibromochloromethane	<b>&lt;26.4</b>	ug/L	50.0	26.4	10		07/27/22 17:24	124-48-1	
1,2-Dibromoethane (EDB)	<b>&lt;3.1</b>	ug/L	10.0	3.1	10		07/27/22 17:24	106-93-4	
Dibromomethane	<b>&lt;9.9</b>	ug/L	50.0	9.9	10		07/27/22 17:24	74-95-3	
1,2-Dichlorobenzene	<b>&lt;3.3</b>	ug/L	10.0	3.3	10		07/27/22 17:24	95-50-1	
1,3-Dichlorobenzene	<b>&lt;3.5</b>	ug/L	10.0	3.5	10		07/27/22 17:24	541-73-1	
1,4-Dichlorobenzene	<b>&lt;8.9</b>	ug/L	10.0	8.9	10		07/27/22 17:24	106-46-7	
Dichlorodifluoromethane	<b>&lt;4.6</b>	ug/L	50.0	4.6	10		07/27/22 17:24	75-71-8	
1,1-Dichloroethane	<b>&lt;3.0</b>	ug/L	10.0	3.0	10		07/27/22 17:24	75-34-3	

## REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248749

**Sample: PZ-2107**      **Lab ID: 40248749005**      Collected: 07/25/22 11:20      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	<2.9	ug/L	10.0	2.9	10		07/27/22 17:24	107-06-2	
1,1-Dichloroethene	<5.8	ug/L	10.0	5.8	10		07/27/22 17:24	75-35-4	
cis-1,2-Dichloroethene	636	ug/L	10.0	4.7	10		07/27/22 17:24	156-59-2	
trans-1,2-Dichloroethene	11.6	ug/L	10.0	5.3	10		07/27/22 17:24	156-60-5	
1,2-Dichloropropane	<4.5	ug/L	10.0	4.5	10		07/27/22 17:24	78-87-5	
1,3-Dichloropropane	<3.0	ug/L	10.0	3.0	10		07/27/22 17:24	142-28-9	
2,2-Dichloropropane	<41.8	ug/L	50.0	41.8	10		07/27/22 17:24	594-20-7	
1,1-Dichloropropene	<4.1	ug/L	10.0	4.1	10		07/27/22 17:24	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	10.0	3.6	10		07/27/22 17:24	10061-01-5	
trans-1,3-Dichloropropene	<34.6	ug/L	50.0	34.6	10		07/27/22 17:24	10061-02-6	
Diisopropyl ether	<11.0	ug/L	50.0	11.0	10		07/27/22 17:24	108-20-3	
Ethylbenzene	<3.3	ug/L	10.0	3.3	10		07/27/22 17:24	100-41-4	
Hexachloro-1,3-butadiene	<27.4	ug/L	50.0	27.4	10		07/27/22 17:24	87-68-3	
Isopropylbenzene (Cumene)	<10.0	ug/L	50.0	10.0	10		07/27/22 17:24	98-82-8	
p-Isopropyltoluene	<10.4	ug/L	50.0	10.4	10		07/27/22 17:24	99-87-6	
Methylene Chloride	<3.2	ug/L	50.0	3.2	10		07/27/22 17:24	75-09-2	
Methyl-tert-butyl ether	<11.3	ug/L	50.0	11.3	10		07/27/22 17:24	1634-04-4	
Naphthalene	<11.3	ug/L	50.0	11.3	10		07/27/22 17:24	91-20-3	
n-Propylbenzene	<3.5	ug/L	10.0	3.5	10		07/27/22 17:24	103-65-1	
Styrene	<3.6	ug/L	10.0	3.6	10		07/27/22 17:24	100-42-5	
1,1,1,2-Tetrachloroethane	<3.6	ug/L	10.0	3.6	10		07/27/22 17:24	630-20-6	
1,1,1,2,2-Tetrachloroethane	<3.8	ug/L	10.0	3.8	10		07/27/22 17:24	79-34-5	
Tetrachloroethene	<4.1	ug/L	10.0	4.1	10		07/27/22 17:24	127-18-4	
Toluene	<2.9	ug/L	10.0	2.9	10		07/27/22 17:24	108-88-3	
1,2,3-Trichlorobenzene	<10.2	ug/L	50.0	10.2	10		07/27/22 17:24	87-61-6	
1,2,4-Trichlorobenzene	<9.5	ug/L	50.0	9.5	10		07/27/22 17:24	120-82-1	
1,1,1-Trichloroethane	<3.0	ug/L	10.0	3.0	10		07/27/22 17:24	71-55-6	
1,1,2-Trichloroethane	<3.4	ug/L	50.0	3.4	10		07/27/22 17:24	79-00-5	
Trichloroethene	<3.2	ug/L	10.0	3.2	10		07/27/22 17:24	79-01-6	
Trichlorofluoromethane	<4.2	ug/L	10.0	4.2	10		07/27/22 17:24	75-69-4	
1,2,3-Trichloropropane	<5.6	ug/L	50.0	5.6	10		07/27/22 17:24	96-18-4	
1,2,4-Trimethylbenzene	<4.5	ug/L	10.0	4.5	10		07/27/22 17:24	95-63-6	
1,3,5-Trimethylbenzene	<3.6	ug/L	10.0	3.6	10		07/27/22 17:24	108-67-8	
Vinyl chloride	376	ug/L	10.0	1.7	10		07/27/22 17:24	75-01-4	
Xylene (Total)	<10.5	ug/L	30.0	10.5	10		07/27/22 17:24	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		10		07/27/22 17:24	460-00-4	
1,2-Dichlorobenzene-d4 (S)	109	%	70-130		10		07/27/22 17:24	2199-69-1	
Toluene-d8 (S)	95	%	70-130		10		07/27/22 17:24	2037-26-5	
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		07/28/22 14:53		

### REPORT OF LABORATORY ANALYSIS

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



## ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: PZ-2107**      **Lab ID: 40248749005**      Collected: 07/25/22 11:20      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>406</b>	mg/L	20.0	4.3	10		07/27/22 15:02	16887-00-6	
Sulfate	<b>293</b>	mg/L	20.0	4.4	10		07/27/22 15:02	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>302</b>	mg/L	25.0	7.4	1		07/28/22 10:08		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>52.3</b>	mg/L	50.0	14.7	1	08/02/22 06:55	08/02/22 10:15		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>5.8</b>	mg/L	0.50	0.14	1		08/02/22 16:59	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: MW-2109**      **Lab ID: 40248749006**      Collected: 07/25/22 12:25      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/27/22 14:18	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/27/22 14:18	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/27/22 14:18	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/27/22 14:18	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/27/22 14:18	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/27/22 14:18	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/27/22 14:18	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/27/22 14:18	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/27/22 14:18	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/27/22 14:18	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/27/22 14:18	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/27/22 14:18	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/27/22 14:18	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/27/22 14:18	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/27/22 14:18	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/27/22 14:18	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/27/22 14:18	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/27/22 14:18	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/27/22 14:18	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/27/22 14:18	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/27/22 14:18	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/27/22 14:18	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/27/22 14:18	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/27/22 14:18	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/27/22 14:18	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/27/22 14:18	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/27/22 14:18	75-35-4	
cis-1,2-Dichloroethene	99.6	ug/L	1.0	0.47	1		07/27/22 14:18	156-59-2	
trans-1,2-Dichloroethene	2.2	ug/L	1.0	0.53	1		07/27/22 14:18	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/27/22 14:18	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/27/22 14:18	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/27/22 14:18	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/27/22 14:18	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/27/22 14:18	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/27/22 14:18	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/27/22 14:18	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/27/22 14:18	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/27/22 14:18	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/27/22 14:18	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/27/22 14:18	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/27/22 14:18	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/27/22 14:18	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/27/22 14:18	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/27/22 14:18	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/27/22 14:18	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248749

**Sample: MW-2109**      **Lab ID: 40248749006**      Collected: 07/25/22 12:25      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/27/22 14:18	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/27/22 14:18	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/27/22 14:18	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/27/22 14:18	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/27/22 14:18	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/27/22 14:18	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/27/22 14:18	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/27/22 14:18	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/27/22 14:18	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/27/22 14:18	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/27/22 14:18	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/27/22 14:18	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/27/22 14:18	108-67-8	
Vinyl chloride	70.4	ug/L	1.0	0.17	1		07/27/22 14:18	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/27/22 14:18	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/27/22 14:18	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		07/27/22 14:18	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		07/27/22 14:18	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248749

**Sample: PZ-2109**      **Lab ID: 40248749007**      Collected: 07/25/22 13:00      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/28/22 10:31	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 10:31	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/22 10:31	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 10:31	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/28/22 10:31	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/28/22 10:31	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 10:31	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/28/22 10:31	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/28/22 10:31	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/28/22 10:31	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 10:31	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/28/22 10:31	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/28/22 10:31	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/28/22 10:31	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 10:31	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 10:31	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/28/22 10:31	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/28/22 10:31	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/28/22 10:31	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/28/22 10:31	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 10:31	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 10:31	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/28/22 10:31	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/28/22 10:31	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 10:31	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/28/22 10:31	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/28/22 10:31	75-35-4	
cis-1,2-Dichloroethene	3.4	ug/L	1.0	0.47	1		07/28/22 10:31	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/28/22 10:31	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/28/22 10:31	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/28/22 10:31	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/28/22 10:31	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/28/22 10:31	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/28/22 10:31	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/28/22 10:31	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 10:31	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 10:31	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/28/22 10:31	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/28/22 10:31	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/28/22 10:31	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/28/22 10:31	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 10:31	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/28/22 10:31	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 10:31	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/28/22 10:31	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: PZ-2109**      **Lab ID: 40248749007**      Collected: 07/25/22 13:00      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/28/22 10:31	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/28/22 10:31	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/28/22 10:31	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/28/22 10:31	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/28/22 10:31	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/22 10:31	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 10:31	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/28/22 10:31	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/28/22 10:31	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 10:31	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/28/22 10:31	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/28/22 10:31	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 10:31	108-67-8	
Vinyl chloride	12.8	ug/L	1.0	0.17	1		07/28/22 10:31	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/28/22 10:31	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		1		07/28/22 10:31	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		07/28/22 10:31	2199-69-1	
Toluene-d8 (S)	94	%	70-130		1		07/28/22 10:31	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: MW-2114**      **Lab ID: 40248749008**      Collected: 07/25/22 12:40      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	22.6	ug/L	5.6	0.39	1		07/29/22 11:48	74-84-0	
Ethene	4.1J	ug/L	5.0	0.25	1		07/29/22 11:48	74-85-1	
Methane	1480	ug/L	56.0	11.5	20		07/29/22 14:57	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Iron	1.1	mg/L	0.25	0.058	1	07/27/22 05:36	07/28/22 09:24	7439-89-6	
Manganese	0.15	mg/L	0.0040	0.0012	1	07/27/22 05:36	07/28/22 09:24	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Barium, Dissolved	0.19	mg/L	0.0023	0.00070	1	07/27/22 05:21	07/28/22 03:51	7440-39-3	
Chromium, Dissolved	<0.0010	mg/L	0.0034	0.0010	1	07/27/22 05:21	07/28/22 03:51	7440-47-3	
Iron, Dissolved	0.82	mg/L	0.25	0.058	1	07/27/22 05:21	07/28/22 03:51	7439-89-6	
Lead, Dissolved	<0.00024	mg/L	0.0010	0.00024	1	07/27/22 05:21	07/28/22 03:51	7439-92-1	
Manganese, Dissolved	0.16	mg/L	0.0040	0.0012	1	07/27/22 05:21	07/28/22 03:51	7439-96-5	D9
Nickel, Dissolved	0.0044	mg/L	0.0010	0.00028	1	07/27/22 05:21	07/28/22 03:51	7440-02-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/27/22 12:13	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/27/22 12:13	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/27/22 12:13	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/27/22 12:13	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/27/22 12:13	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/27/22 12:13	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/27/22 12:13	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/27/22 12:13	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/27/22 12:13	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/27/22 12:13	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/27/22 12:13	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/27/22 12:13	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/27/22 12:13	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/27/22 12:13	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/27/22 12:13	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/27/22 12:13	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/27/22 12:13	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/27/22 12:13	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/27/22 12:13	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/27/22 12:13	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/27/22 12:13	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/27/22 12:13	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/27/22 12:13	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/27/22 12:13	75-71-8	
1,1-Dichloroethane	0.30J	ug/L	1.0	0.30	1		07/27/22 12:13	75-34-3	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: MW-2114**      **Lab ID: 40248749008**      Collected: 07/25/22 12:40      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/27/22 12:13	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/27/22 12:13	75-35-4	
cis-1,2-Dichloroethene	5.4	ug/L	1.0	0.47	1		07/27/22 12:13	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/27/22 12:13	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/27/22 12:13	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/27/22 12:13	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/27/22 12:13	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/27/22 12:13	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/27/22 12:13	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/27/22 12:13	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/27/22 12:13	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/27/22 12:13	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/27/22 12:13	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/27/22 12:13	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/27/22 12:13	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/27/22 12:13	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/27/22 12:13	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/27/22 12:13	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/27/22 12:13	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/27/22 12:13	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/27/22 12:13	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/27/22 12:13	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/27/22 12:13	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/27/22 12:13	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/27/22 12:13	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/27/22 12:13	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/27/22 12:13	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/27/22 12:13	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/27/22 12:13	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/27/22 12:13	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/27/22 12:13	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/27/22 12:13	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/27/22 12:13	108-67-8	
Vinyl chloride	3.4	ug/L	1.0	0.17	1		07/27/22 12:13	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/27/22 12:13	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/27/22 12:13	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		07/27/22 12:13	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		07/27/22 12:13	2037-26-5	
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		07/28/22 14:55		

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: MW-2114**      **Lab ID: 40248749008**      Collected: 07/25/22 12:40      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>110</b>	mg/L	10.0	2.2	5		07/27/22 15:16	16887-00-6	
Sulfate	<b>55.4</b>	mg/L	10.0	2.2	5		07/27/22 15:16	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>480</b>	mg/L	50.0	14.9	2		07/28/22 10:09		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>131</b>	mg/L	50.0	14.7	1	08/02/22 06:55	08/02/22 10:15		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>29.7</b>	mg/L	15.0	4.2	30		08/02/22 17:16	7440-44-0	

### REPORT OF LABORATORY ANALYSIS

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



### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248749

**Sample: PZ-2114**      **Lab ID: 40248749009**      Collected: 07/25/22 13:30      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<0.39	ug/L	5.6	0.39	1		07/29/22 11:55	74-84-0	
Ethene	<0.25	ug/L	5.0	0.25	1		07/29/22 11:55	74-85-1	
Methane	58.5	ug/L	2.8	0.58	1		07/29/22 11:55	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	0.060J	mg/L	0.25	0.058	1	07/27/22 05:36	07/28/22 09:31	7439-89-6	
Manganese	0.015	mg/L	0.0040	0.0012	1	07/27/22 05:36	07/28/22 09:31	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Barium, Dissolved	0.14	mg/L	0.0023	0.00070	1	07/27/22 05:21	07/28/22 03:58	7440-39-3	
Chromium, Dissolved	<0.0010	mg/L	0.0034	0.0010	1	07/27/22 05:21	07/28/22 03:58	7440-47-3	
Iron, Dissolved	<0.058	mg/L	0.25	0.058	1	07/27/22 05:21	07/28/22 03:58	7439-89-6	
Lead, Dissolved	<0.00024	mg/L	0.0010	0.00024	1	07/27/22 05:21	07/28/22 03:58	7439-92-1	
Manganese, Dissolved	0.015	mg/L	0.0040	0.0012	1	07/27/22 05:21	07/28/22 03:58	7439-96-5	
Nickel, Dissolved	0.0027	mg/L	0.0010	0.00028	1	07/27/22 05:21	07/28/22 03:58	7440-02-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/27/22 12:34	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/27/22 12:34	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/27/22 12:34	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/27/22 12:34	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/27/22 12:34	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/27/22 12:34	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/27/22 12:34	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/27/22 12:34	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/27/22 12:34	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/27/22 12:34	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/27/22 12:34	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/27/22 12:34	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/27/22 12:34	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/27/22 12:34	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/27/22 12:34	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/27/22 12:34	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/27/22 12:34	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/27/22 12:34	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/27/22 12:34	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/27/22 12:34	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/27/22 12:34	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/27/22 12:34	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/27/22 12:34	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/27/22 12:34	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/27/22 12:34	75-34-3	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248749

**Sample: PZ-2114**      **Lab ID: 40248749009**      Collected: 07/25/22 13:30      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/27/22 12:34	107-06-2	
1,1-Dichloroethane	<0.58	ug/L	1.0	0.58	1		07/27/22 12:34	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/27/22 12:34	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/27/22 12:34	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/27/22 12:34	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/27/22 12:34	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/27/22 12:34	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/27/22 12:34	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/27/22 12:34	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/27/22 12:34	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/27/22 12:34	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/27/22 12:34	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/27/22 12:34	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/27/22 12:34	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/27/22 12:34	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/27/22 12:34	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/27/22 12:34	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/27/22 12:34	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/27/22 12:34	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/27/22 12:34	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/27/22 12:34	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/27/22 12:34	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/27/22 12:34	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/27/22 12:34	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/27/22 12:34	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/27/22 12:34	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/27/22 12:34	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/27/22 12:34	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/27/22 12:34	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/27/22 12:34	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/27/22 12:34	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/27/22 12:34	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/27/22 12:34	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/27/22 12:34	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/27/22 12:34	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		07/27/22 12:34	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		07/27/22 12:34	2199-69-1	
Toluene-d8 (S)	95	%	70-130		1		07/27/22 12:34	2037-26-5	

**4500S2F Sulfide, Iodometric**

Analytical Method: SM 4500-S F (2000)

Pace Analytical Services - Green Bay

Sulfide	<1.2	mg/L	4.0	1.2	1		07/28/22 14:57		
---------	------	------	-----	-----	---	--	----------------	--	--

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248749

---

**Sample: PZ-2114**      **Lab ID: 40248749009**      Collected: 07/25/22 13:30      Received: 07/26/22 08:45      Matrix: Water

---

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	<b>117</b>	mg/L	20.0	4.3	10		07/27/22 15:39	16887-00-6	
Sulfate	<b>177</b>	mg/L	20.0	4.4	10		07/27/22 15:39	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>199</b>	mg/L	25.0	7.4	1		07/28/22 10:10		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4									
Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>39.1J</b>	mg/L	50.0	14.7	1	08/02/22 06:55	08/02/22 10:15		
<b>5310C TOC</b>									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>3.6</b>	mg/L	0.50	0.14	1		08/02/22 17:32	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248749

**Sample: MW-61**      **Lab ID: 40248749010**      Collected: 07/25/22 14:30      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	49.9	ug/L	5.6	0.39	1		07/29/22 12:02	74-84-0	
Ethene	268	ug/L	5.0	0.25	1		07/29/22 12:02	74-85-1	
Methane	1390	ug/L	28.0	5.8	10		07/29/22 15:04	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	2.4	mg/L	0.25	0.058	1	07/27/22 05:36	07/28/22 09:39	7439-89-6	
Manganese	0.23	mg/L	0.0040	0.0012	1	07/27/22 05:36	07/28/22 09:39	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Barium, Dissolved	0.13	mg/L	0.0023	0.00070	1	07/27/22 05:21	07/28/22 04:05	7440-39-3	
Chromium, Dissolved	<0.0010	mg/L	0.0034	0.0010	1	07/27/22 05:21	07/28/22 04:05	7440-47-3	
Iron, Dissolved	2.4	mg/L	0.25	0.058	1	07/27/22 05:21	07/28/22 04:05	7439-89-6	
Lead, Dissolved	<0.00024	mg/L	0.0010	0.00024	1	07/27/22 05:21	07/28/22 04:05	7439-92-1	
Manganese, Dissolved	0.24	mg/L	0.0040	0.0012	1	07/27/22 05:21	07/28/22 04:05	7439-96-5	D9
Nickel, Dissolved	0.0013	mg/L	0.0010	0.00028	1	07/27/22 05:21	07/28/22 04:05	7440-02-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	13.1	ug/L	10.0	3.0	10		07/27/22 17:45	71-43-2	
Bromobenzene	<3.6	ug/L	10.0	3.6	10		07/27/22 17:45	108-86-1	
Bromochloromethane	<3.6	ug/L	50.0	3.6	10		07/27/22 17:45	74-97-5	
Bromodichloromethane	<4.2	ug/L	10.0	4.2	10		07/27/22 17:45	75-27-4	
Bromoform	<38.0	ug/L	50.0	38.0	10		07/27/22 17:45	75-25-2	
Bromomethane	<11.9	ug/L	50.0	11.9	10		07/27/22 17:45	74-83-9	
n-Butylbenzene	<8.6	ug/L	10.0	8.6	10		07/27/22 17:45	104-51-8	
sec-Butylbenzene	<4.2	ug/L	10.0	4.2	10		07/27/22 17:45	135-98-8	
tert-Butylbenzene	<5.9	ug/L	10.0	5.9	10		07/27/22 17:45	98-06-6	
Carbon tetrachloride	<3.7	ug/L	10.0	3.7	10		07/27/22 17:45	56-23-5	
Chlorobenzene	<8.6	ug/L	10.0	8.6	10		07/27/22 17:45	108-90-7	
Chloroethane	<13.8	ug/L	50.0	13.8	10		07/27/22 17:45	75-00-3	
Chloroform	<11.8	ug/L	50.0	11.8	10		07/27/22 17:45	67-66-3	
Chloromethane	<16.4	ug/L	50.0	16.4	10		07/27/22 17:45	74-87-3	
2-Chlorotoluene	<8.9	ug/L	50.0	8.9	10		07/27/22 17:45	95-49-8	
4-Chlorotoluene	<8.9	ug/L	50.0	8.9	10		07/27/22 17:45	106-43-4	
1,2-Dibromo-3-chloropropane	<23.7	ug/L	50.0	23.7	10		07/27/22 17:45	96-12-8	
Dibromochloromethane	<26.4	ug/L	50.0	26.4	10		07/27/22 17:45	124-48-1	
1,2-Dibromoethane (EDB)	<3.1	ug/L	10.0	3.1	10		07/27/22 17:45	106-93-4	
Dibromomethane	<9.9	ug/L	50.0	9.9	10		07/27/22 17:45	74-95-3	
1,2-Dichlorobenzene	<3.3	ug/L	10.0	3.3	10		07/27/22 17:45	95-50-1	
1,3-Dichlorobenzene	<3.5	ug/L	10.0	3.5	10		07/27/22 17:45	541-73-1	
1,4-Dichlorobenzene	<8.9	ug/L	10.0	8.9	10		07/27/22 17:45	106-46-7	
Dichlorodifluoromethane	<4.6	ug/L	50.0	4.6	10		07/27/22 17:45	75-71-8	
1,1-Dichloroethane	<3.0	ug/L	10.0	3.0	10		07/27/22 17:45	75-34-3	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248749

**Sample: MW-61**      **Lab ID: 40248749010**      Collected: 07/25/22 14:30      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	<2.9	ug/L	10.0	2.9	10		07/27/22 17:45	107-06-2	
1,1-Dichloroethene	8.0J	ug/L	10.0	5.8	10		07/27/22 17:45	75-35-4	
cis-1,2-Dichloroethene	4720	ug/L	50.0	23.6	50		07/28/22 11:34	156-59-2	
trans-1,2-Dichloroethene	37.2	ug/L	10.0	5.3	10		07/27/22 17:45	156-60-5	
1,2-Dichloropropane	<4.5	ug/L	10.0	4.5	10		07/27/22 17:45	78-87-5	
1,3-Dichloropropane	<3.0	ug/L	10.0	3.0	10		07/27/22 17:45	142-28-9	
2,2-Dichloropropane	<41.8	ug/L	50.0	41.8	10		07/27/22 17:45	594-20-7	
1,1-Dichloropropene	<4.1	ug/L	10.0	4.1	10		07/27/22 17:45	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	10.0	3.6	10		07/27/22 17:45	10061-01-5	
trans-1,3-Dichloropropene	<34.6	ug/L	50.0	34.6	10		07/27/22 17:45	10061-02-6	
Diisopropyl ether	<11.0	ug/L	50.0	11.0	10		07/27/22 17:45	108-20-3	
Ethylbenzene	<3.3	ug/L	10.0	3.3	10		07/27/22 17:45	100-41-4	
Hexachloro-1,3-butadiene	<27.4	ug/L	50.0	27.4	10		07/27/22 17:45	87-68-3	
Isopropylbenzene (Cumene)	<10.0	ug/L	50.0	10.0	10		07/27/22 17:45	98-82-8	
p-Isopropyltoluene	<10.4	ug/L	50.0	10.4	10		07/27/22 17:45	99-87-6	
Methylene Chloride	<3.2	ug/L	50.0	3.2	10		07/27/22 17:45	75-09-2	
Methyl-tert-butyl ether	<11.3	ug/L	50.0	11.3	10		07/27/22 17:45	1634-04-4	
Naphthalene	<11.3	ug/L	50.0	11.3	10		07/27/22 17:45	91-20-3	
n-Propylbenzene	<3.5	ug/L	10.0	3.5	10		07/27/22 17:45	103-65-1	
Styrene	<3.6	ug/L	10.0	3.6	10		07/27/22 17:45	100-42-5	
1,1,1,2-Tetrachloroethane	<3.6	ug/L	10.0	3.6	10		07/27/22 17:45	630-20-6	
1,1,2,2-Tetrachloroethane	<3.8	ug/L	10.0	3.8	10		07/27/22 17:45	79-34-5	
Tetrachloroethene	<4.1	ug/L	10.0	4.1	10		07/27/22 17:45	127-18-4	
Toluene	<2.9	ug/L	10.0	2.9	10		07/27/22 17:45	108-88-3	
1,2,3-Trichlorobenzene	<10.2	ug/L	50.0	10.2	10		07/27/22 17:45	87-61-6	
1,2,4-Trichlorobenzene	<9.5	ug/L	50.0	9.5	10		07/27/22 17:45	120-82-1	
1,1,1-Trichloroethane	<3.0	ug/L	10.0	3.0	10		07/27/22 17:45	71-55-6	
1,1,2-Trichloroethane	<3.4	ug/L	50.0	3.4	10		07/27/22 17:45	79-00-5	
Trichloroethene	168	ug/L	10.0	3.2	10		07/27/22 17:45	79-01-6	
Trichlorofluoromethane	<4.2	ug/L	10.0	4.2	10		07/27/22 17:45	75-69-4	
1,2,3-Trichloropropane	<5.6	ug/L	50.0	5.6	10		07/27/22 17:45	96-18-4	
1,2,4-Trimethylbenzene	<4.5	ug/L	10.0	4.5	10		07/27/22 17:45	95-63-6	
1,3,5-Trimethylbenzene	<3.6	ug/L	10.0	3.6	10		07/27/22 17:45	108-67-8	
Vinyl chloride	3020	ug/L	50.0	8.7	50		07/28/22 11:34	75-01-4	
Xylene (Total)	<10.5	ug/L	30.0	10.5	10		07/27/22 17:45	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		10		07/27/22 17:45	460-00-4	
1,2-Dichlorobenzene-d4 (S)	109	%	70-130		10		07/27/22 17:45	2199-69-1	
Toluene-d8 (S)	96	%	70-130		10		07/27/22 17:45	2037-26-5	
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		07/28/22 14:59		

## REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: MW-61**      **Lab ID: 40248749010**      Collected: 07/25/22 14:30      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>405</b>	mg/L	40.0	8.6	20		07/28/22 15:49	16887-00-6	
Sulfate	<b>91.7</b>	mg/L	10.0	2.2	5		07/27/22 15:53	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>393</b>	mg/L	25.0	7.4	1		07/28/22 10:14		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>54.5</b>	mg/L	50.0	14.7	1	08/02/22 06:55	08/02/22 10:15		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>5.0</b>	mg/L	0.50	0.14	1		08/02/22 17:49	7440-44-0	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: MW-61D**      **Lab ID: 40248749011**      Collected: 07/25/22 14:30      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	54.1	ug/L	5.6	0.39	1		07/29/22 12:09	74-84-0	
Ethene	288	ug/L	5.0	0.25	1		07/29/22 12:09	74-85-1	
Methane	1890	ug/L	56.0	11.5	20		07/29/22 15:10	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Iron	2.4	mg/L	0.25	0.058	1	07/27/22 05:36	07/28/22 09:46	7439-89-6	
Manganese	0.23	mg/L	0.0040	0.0012	1	07/27/22 05:36	07/28/22 09:46	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Barium, Dissolved	0.13	mg/L	0.0023	0.00070	1	07/27/22 05:21	07/28/22 04:13	7440-39-3	
Chromium, Dissolved	<0.0010	mg/L	0.0034	0.0010	1	07/27/22 05:21	07/28/22 04:13	7440-47-3	
Iron, Dissolved	2.3	mg/L	0.25	0.058	1	07/27/22 05:21	07/28/22 04:13	7439-89-6	
Lead, Dissolved	<0.00024	mg/L	0.0010	0.00024	1	07/27/22 05:21	07/28/22 04:13	7439-92-1	
Manganese, Dissolved	0.23	mg/L	0.0040	0.0012	1	07/27/22 05:21	07/28/22 04:13	7439-96-5	
Nickel, Dissolved	0.0012	mg/L	0.0010	0.00028	1	07/27/22 05:21	07/28/22 04:13	7440-02-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	13.2	ug/L	10.0	3.0	10		07/27/22 18:06	71-43-2	
Bromobenzene	<3.6	ug/L	10.0	3.6	10		07/27/22 18:06	108-86-1	
Bromochloromethane	<3.6	ug/L	50.0	3.6	10		07/27/22 18:06	74-97-5	
Bromodichloromethane	<4.2	ug/L	10.0	4.2	10		07/27/22 18:06	75-27-4	
Bromoform	<38.0	ug/L	50.0	38.0	10		07/27/22 18:06	75-25-2	
Bromomethane	<11.9	ug/L	50.0	11.9	10		07/27/22 18:06	74-83-9	
n-Butylbenzene	<8.6	ug/L	10.0	8.6	10		07/27/22 18:06	104-51-8	
sec-Butylbenzene	<4.2	ug/L	10.0	4.2	10		07/27/22 18:06	135-98-8	
tert-Butylbenzene	<5.9	ug/L	10.0	5.9	10		07/27/22 18:06	98-06-6	
Carbon tetrachloride	<3.7	ug/L	10.0	3.7	10		07/27/22 18:06	56-23-5	
Chlorobenzene	<8.6	ug/L	10.0	8.6	10		07/27/22 18:06	108-90-7	
Chloroethane	<13.8	ug/L	50.0	13.8	10		07/27/22 18:06	75-00-3	
Chloroform	<11.8	ug/L	50.0	11.8	10		07/27/22 18:06	67-66-3	
Chloromethane	<16.4	ug/L	50.0	16.4	10		07/27/22 18:06	74-87-3	
2-Chlorotoluene	<8.9	ug/L	50.0	8.9	10		07/27/22 18:06	95-49-8	
4-Chlorotoluene	<8.9	ug/L	50.0	8.9	10		07/27/22 18:06	106-43-4	
1,2-Dibromo-3-chloropropane	<23.7	ug/L	50.0	23.7	10		07/27/22 18:06	96-12-8	
Dibromochloromethane	<26.4	ug/L	50.0	26.4	10		07/27/22 18:06	124-48-1	
1,2-Dibromoethane (EDB)	<3.1	ug/L	10.0	3.1	10		07/27/22 18:06	106-93-4	
Dibromomethane	<9.9	ug/L	50.0	9.9	10		07/27/22 18:06	74-95-3	
1,2-Dichlorobenzene	<3.3	ug/L	10.0	3.3	10		07/27/22 18:06	95-50-1	
1,3-Dichlorobenzene	<3.5	ug/L	10.0	3.5	10		07/27/22 18:06	541-73-1	
1,4-Dichlorobenzene	<8.9	ug/L	10.0	8.9	10		07/27/22 18:06	106-46-7	
Dichlorodifluoromethane	<4.6	ug/L	50.0	4.6	10		07/27/22 18:06	75-71-8	
1,1-Dichloroethane	<3.0	ug/L	10.0	3.0	10		07/27/22 18:06	75-34-3	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248749

**Sample: MW-61D**      **Lab ID: 40248749011**      Collected: 07/25/22 14:30      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	<2.9	ug/L	10.0	2.9	10		07/27/22 18:06	107-06-2	
1,1-Dichloroethene	9.8J	ug/L	10.0	5.8	10		07/27/22 18:06	75-35-4	
cis-1,2-Dichloroethene	4670	ug/L	50.0	23.6	50		07/28/22 11:54	156-59-2	
trans-1,2-Dichloroethene	46.2	ug/L	10.0	5.3	10		07/27/22 18:06	156-60-5	
1,2-Dichloropropane	<4.5	ug/L	10.0	4.5	10		07/27/22 18:06	78-87-5	
1,3-Dichloropropane	<3.0	ug/L	10.0	3.0	10		07/27/22 18:06	142-28-9	
2,2-Dichloropropane	<41.8	ug/L	50.0	41.8	10		07/27/22 18:06	594-20-7	
1,1-Dichloropropene	<4.1	ug/L	10.0	4.1	10		07/27/22 18:06	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	10.0	3.6	10		07/27/22 18:06	10061-01-5	
trans-1,3-Dichloropropene	<34.6	ug/L	50.0	34.6	10		07/27/22 18:06	10061-02-6	
Diisopropyl ether	<11.0	ug/L	50.0	11.0	10		07/27/22 18:06	108-20-3	
Ethylbenzene	<3.3	ug/L	10.0	3.3	10		07/27/22 18:06	100-41-4	
Hexachloro-1,3-butadiene	<27.4	ug/L	50.0	27.4	10		07/27/22 18:06	87-68-3	
Isopropylbenzene (Cumene)	<10.0	ug/L	50.0	10.0	10		07/27/22 18:06	98-82-8	
p-Isopropyltoluene	<10.4	ug/L	50.0	10.4	10		07/27/22 18:06	99-87-6	
Methylene Chloride	<3.2	ug/L	50.0	3.2	10		07/27/22 18:06	75-09-2	
Methyl-tert-butyl ether	<11.3	ug/L	50.0	11.3	10		07/27/22 18:06	1634-04-4	
Naphthalene	<11.3	ug/L	50.0	11.3	10		07/27/22 18:06	91-20-3	
n-Propylbenzene	<3.5	ug/L	10.0	3.5	10		07/27/22 18:06	103-65-1	
Styrene	<3.6	ug/L	10.0	3.6	10		07/27/22 18:06	100-42-5	
1,1,1,2-Tetrachloroethane	<3.6	ug/L	10.0	3.6	10		07/27/22 18:06	630-20-6	
1,1,1,2,2-Tetrachloroethane	<3.8	ug/L	10.0	3.8	10		07/27/22 18:06	79-34-5	
Tetrachloroethene	<4.1	ug/L	10.0	4.1	10		07/27/22 18:06	127-18-4	
Toluene	<2.9	ug/L	10.0	2.9	10		07/27/22 18:06	108-88-3	
1,2,3-Trichlorobenzene	<10.2	ug/L	50.0	10.2	10		07/27/22 18:06	87-61-6	
1,2,4-Trichlorobenzene	<9.5	ug/L	50.0	9.5	10		07/27/22 18:06	120-82-1	
1,1,1-Trichloroethane	<3.0	ug/L	10.0	3.0	10		07/27/22 18:06	71-55-6	
1,1,2-Trichloroethane	<3.4	ug/L	50.0	3.4	10		07/27/22 18:06	79-00-5	
Trichloroethene	167	ug/L	10.0	3.2	10		07/27/22 18:06	79-01-6	
Trichlorofluoromethane	<4.2	ug/L	10.0	4.2	10		07/27/22 18:06	75-69-4	
1,2,3-Trichloropropane	<5.6	ug/L	50.0	5.6	10		07/27/22 18:06	96-18-4	
1,2,4-Trimethylbenzene	<4.5	ug/L	10.0	4.5	10		07/27/22 18:06	95-63-6	
1,3,5-Trimethylbenzene	<3.6	ug/L	10.0	3.6	10		07/27/22 18:06	108-67-8	
Vinyl chloride	3030	ug/L	50.0	8.7	50		07/28/22 11:54	75-01-4	
Xylene (Total)	<10.5	ug/L	30.0	10.5	10		07/27/22 18:06	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	70-130		10		07/27/22 18:06	460-00-4	
1,2-Dichlorobenzene-d4 (S)	110	%	70-130		10		07/27/22 18:06	2199-69-1	
Toluene-d8 (S)	95	%	70-130		10		07/27/22 18:06	2037-26-5	
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		07/28/22 15:02		

### REPORT OF LABORATORY ANALYSIS

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



## ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: MW-61D**      **Lab ID: 40248749011**      Collected: 07/25/22 14:30      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>402</b>	mg/L	20.0	4.3	10		07/27/22 16:07	16887-00-6	
Sulfate	<b>94.8</b>	mg/L	20.0	4.4	10		07/27/22 16:07	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>412</b>	mg/L	50.0	14.9	2		07/28/22 10:15		M0
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>34.7J</b>	mg/L	50.0	14.7	1	08/02/22 06:55	08/02/22 10:15		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>5.1</b>	mg/L	0.50	0.14	1		08/02/22 18:08	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: PZ-61**      **Lab ID: 40248749012**      Collected: 07/25/22 16:00      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	12.9	ug/L	5.6	0.39	1		07/29/22 12:16	74-84-0	
Ethene	<0.25	ug/L	5.0	0.25	1		07/29/22 12:16	74-85-1	
Methane	6550	ug/L	140	28.8	50		07/29/22 15:17	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Iron	146	mg/L	1.2	0.29	5	07/27/22 05:36	07/28/22 09:53	7439-89-6	
Manganese	0.40	mg/L	0.020	0.0061	5	07/27/22 05:36	07/28/22 09:53	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Barium, Dissolved	0.46	mg/L	0.0047	0.0014	2	07/27/22 05:21	07/28/22 05:11	7440-39-3	
Chromium, Dissolved	<0.0010	mg/L	0.0034	0.0010	1	07/27/22 05:21	07/28/22 10:52	7440-47-3	
Iron, Dissolved	138	mg/L	0.25	0.058	1	07/27/22 05:21	07/28/22 10:52	7439-89-6	
Lead, Dissolved	<0.00024	mg/L	0.0010	0.00024	1	07/27/22 05:21	07/28/22 10:52	7439-92-1	
Manganese, Dissolved	0.28	mg/L	0.0040	0.0012	1	07/27/22 05:21	07/28/22 10:52	7439-96-5	
Nickel, Dissolved	0.0076	mg/L	0.0010	0.00028	1	07/27/22 05:21	07/28/22 10:52	7440-02-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/28/22 09:29	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 09:29	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/22 09:29	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 09:29	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/28/22 09:29	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/28/22 09:29	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 09:29	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/28/22 09:29	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/28/22 09:29	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/28/22 09:29	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 09:29	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/28/22 09:29	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/28/22 09:29	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/28/22 09:29	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 09:29	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 09:29	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/28/22 09:29	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/28/22 09:29	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/28/22 09:29	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/28/22 09:29	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 09:29	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 09:29	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/28/22 09:29	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/28/22 09:29	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 09:29	75-34-3	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248749

**Sample: PZ-61**      **Lab ID: 40248749012**      Collected: 07/25/22 16:00      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/28/22 09:29	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/28/22 09:29	75-35-4	
cis-1,2-Dichloroethene	2.6	ug/L	1.0	0.47	1		07/28/22 09:29	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/28/22 09:29	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/28/22 09:29	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/28/22 09:29	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/28/22 09:29	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/28/22 09:29	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/28/22 09:29	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/28/22 09:29	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 09:29	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 09:29	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/28/22 09:29	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/28/22 09:29	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/28/22 09:29	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/28/22 09:29	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 09:29	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/28/22 09:29	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 09:29	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/28/22 09:29	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/28/22 09:29	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/28/22 09:29	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/28/22 09:29	127-18-4	
Toluene	1.1	ug/L	1.0	0.29	1		07/28/22 09:29	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/28/22 09:29	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/22 09:29	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 09:29	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/28/22 09:29	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/28/22 09:29	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 09:29	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/28/22 09:29	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/28/22 09:29	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 09:29	108-67-8	
Vinyl chloride	0.66J	ug/L	1.0	0.17	1		07/28/22 09:29	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/28/22 09:29	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		07/28/22 09:29	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		07/28/22 09:29	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		07/28/22 09:29	2037-26-5	
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<12.0	mg/L	39.9	12.0	10		07/28/22 15:04		D3

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: PZ-61**      **Lab ID: 40248749012**      Collected: 07/25/22 16:00      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>710</b>	mg/L	40.0	8.6	20		07/28/22 16:06	16887-00-6	
Sulfate	<b>&lt;2.2</b>	mg/L	10.0	2.2	5		07/27/22 16:22	14808-79-8	D3
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>720</b>	mg/L	125	37.2	5		07/28/22 11:03		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>380</b>	mg/L	50.0	14.7	1	08/02/22 06:55	08/02/22 10:20		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>85.5</b>	mg/L	15.0	4.2	30		08/02/22 18:26	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: MW-2112**      **Lab ID: 40248749013**      Collected: 07/25/22 15:00      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	<b>2.4J</b>	ug/L	5.6	0.39	1		07/29/22 12:22	74-84-0	
Ethene	<b>41.8</b>	ug/L	5.0	0.25	1		07/29/22 12:22	74-85-1	
Methane	<b>793</b>	ug/L	28.0	5.8	10		07/29/22 15:24	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Iron	<b>4.4</b>	mg/L	0.25	0.058	1	07/27/22 05:36	07/28/22 10:01	7439-89-6	
Manganese	<b>0.31</b>	mg/L	0.0040	0.0012	1	07/27/22 05:36	07/28/22 10:01	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Barium, Dissolved	<b>0.088</b>	mg/L	0.0023	0.00070	1	07/27/22 05:21	07/28/22 04:57	7440-39-3	
Chromium, Dissolved	<b>&lt;0.0010</b>	mg/L	0.0034	0.0010	1	07/27/22 05:21	07/28/22 04:57	7440-47-3	
Iron, Dissolved	<b>3.5</b>	mg/L	0.25	0.058	1	07/27/22 05:21	07/28/22 04:57	7439-89-6	
Lead, Dissolved	<b>&lt;0.00024</b>	mg/L	0.0010	0.00024	1	07/27/22 05:21	07/28/22 04:57	7439-92-1	
Manganese, Dissolved	<b>0.31</b>	mg/L	0.0040	0.0012	1	07/27/22 05:21	07/28/22 04:57	7439-96-5	
Nickel, Dissolved	<b>0.0022</b>	mg/L	0.0010	0.00028	1	07/27/22 05:21	07/28/22 04:57	7440-02-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<b>0.42J</b>	ug/L	1.0	0.30	1		07/27/22 15:20	71-43-2	
Bromobenzene	<b>&lt;0.36</b>	ug/L	1.0	0.36	1		07/27/22 15:20	108-86-1	
Bromochloromethane	<b>&lt;0.36</b>	ug/L	5.0	0.36	1		07/27/22 15:20	74-97-5	
Bromodichloromethane	<b>&lt;0.42</b>	ug/L	1.0	0.42	1		07/27/22 15:20	75-27-4	
Bromoform	<b>&lt;3.8</b>	ug/L	5.0	3.8	1		07/27/22 15:20	75-25-2	
Bromomethane	<b>&lt;1.2</b>	ug/L	5.0	1.2	1		07/27/22 15:20	74-83-9	
n-Butylbenzene	<b>&lt;0.86</b>	ug/L	1.0	0.86	1		07/27/22 15:20	104-51-8	
sec-Butylbenzene	<b>&lt;0.42</b>	ug/L	1.0	0.42	1		07/27/22 15:20	135-98-8	
tert-Butylbenzene	<b>&lt;0.59</b>	ug/L	1.0	0.59	1		07/27/22 15:20	98-06-6	
Carbon tetrachloride	<b>&lt;0.37</b>	ug/L	1.0	0.37	1		07/27/22 15:20	56-23-5	
Chlorobenzene	<b>&lt;0.86</b>	ug/L	1.0	0.86	1		07/27/22 15:20	108-90-7	
Chloroethane	<b>&lt;1.4</b>	ug/L	5.0	1.4	1		07/27/22 15:20	75-00-3	
Chloroform	<b>&lt;1.2</b>	ug/L	5.0	1.2	1		07/27/22 15:20	67-66-3	
Chloromethane	<b>&lt;1.6</b>	ug/L	5.0	1.6	1		07/27/22 15:20	74-87-3	
2-Chlorotoluene	<b>&lt;0.89</b>	ug/L	5.0	0.89	1		07/27/22 15:20	95-49-8	
4-Chlorotoluene	<b>&lt;0.89</b>	ug/L	5.0	0.89	1		07/27/22 15:20	106-43-4	
1,2-Dibromo-3-chloropropane	<b>&lt;2.4</b>	ug/L	5.0	2.4	1		07/27/22 15:20	96-12-8	
Dibromochloromethane	<b>&lt;2.6</b>	ug/L	5.0	2.6	1		07/27/22 15:20	124-48-1	
1,2-Dibromoethane (EDB)	<b>&lt;0.31</b>	ug/L	1.0	0.31	1		07/27/22 15:20	106-93-4	
Dibromomethane	<b>&lt;0.99</b>	ug/L	5.0	0.99	1		07/27/22 15:20	74-95-3	
1,2-Dichlorobenzene	<b>&lt;0.33</b>	ug/L	1.0	0.33	1		07/27/22 15:20	95-50-1	
1,3-Dichlorobenzene	<b>&lt;0.35</b>	ug/L	1.0	0.35	1		07/27/22 15:20	541-73-1	
1,4-Dichlorobenzene	<b>&lt;0.89</b>	ug/L	1.0	0.89	1		07/27/22 15:20	106-46-7	
Dichlorodifluoromethane	<b>&lt;0.46</b>	ug/L	5.0	0.46	1		07/27/22 15:20	75-71-8	
1,1-Dichloroethane	<b>&lt;0.30</b>	ug/L	1.0	0.30	1		07/27/22 15:20	75-34-3	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248749

**Sample: MW-2112**      **Lab ID: 40248749013**      Collected: 07/25/22 15:00      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/27/22 15:20	107-06-2	
1,1-Dichloroethane	1.1	ug/L	1.0	0.58	1		07/27/22 15:20	75-35-4	
cis-1,2-Dichloroethene	739	ug/L	10.0	4.7	10		07/28/22 11:13	156-59-2	
trans-1,2-Dichloroethene	4.1	ug/L	1.0	0.53	1		07/27/22 15:20	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/27/22 15:20	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/27/22 15:20	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/27/22 15:20	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/27/22 15:20	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/27/22 15:20	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/27/22 15:20	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/27/22 15:20	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/27/22 15:20	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/27/22 15:20	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/27/22 15:20	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/27/22 15:20	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/27/22 15:20	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/27/22 15:20	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/27/22 15:20	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/27/22 15:20	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/27/22 15:20	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/27/22 15:20	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/27/22 15:20	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/27/22 15:20	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/27/22 15:20	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/27/22 15:20	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/27/22 15:20	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/27/22 15:20	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/27/22 15:20	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/27/22 15:20	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/27/22 15:20	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/27/22 15:20	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/27/22 15:20	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/27/22 15:20	108-67-8	
Vinyl chloride	412	ug/L	10.0	1.7	10		07/28/22 11:13	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/27/22 15:20	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		07/27/22 15:20	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		07/27/22 15:20	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		07/27/22 15:20	2037-26-5	

**4500S2F Sulfide, Iodometric**

Analytical Method: SM 4500-S F (2000)

Pace Analytical Services - Green Bay

Sulfide	2.2J	mg/L	4.0	1.2	1		07/29/22 13:56		
---------	------	------	-----	-----	---	--	----------------	--	--

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248749

---

**Sample: MW-2112**      **Lab ID: 40248749013**      Collected: 07/25/22 15:00      Received: 07/26/22 08:45      Matrix: Water

---

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	<b>70.4</b>	mg/L	20.0	4.3	10		07/27/22 16:36	16887-00-6	
Sulfate	<b>392</b>	mg/L	20.0	4.4	10		07/27/22 16:36	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>298</b>	mg/L	25.0	7.4	1		07/28/22 10:19		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4									
Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>54.5</b>	mg/L	50.0	14.7	1	08/02/22 06:55	08/02/22 10:20		
<b>5310C TOC</b>									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>16.0</b>	mg/L	15.0	4.2	30		08/02/22 19:02	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248749

**Sample: PZ-2112**      **Lab ID: 40248749014**      Collected: 07/25/22 15:50      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<0.39	ug/L	5.6	0.39	1		07/29/22 12:52	74-84-0	
Ethene	<0.25	ug/L	5.0	0.25	1		07/29/22 12:52	74-85-1	
Methane	1750	ug/L	28.0	5.8	10		07/29/22 15:31	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	1.2	mg/L	0.25	0.058	1	07/27/22 05:36	07/28/22 10:08	7439-89-6	
Manganese	0.12	mg/L	0.0040	0.0012	1	07/27/22 05:36	07/28/22 10:08	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Barium, Dissolved	0.28	mg/L	0.0023	0.00070	1	07/27/22 05:21	07/28/22 05:19	7440-39-3	
Chromium, Dissolved	<0.0010	mg/L	0.0034	0.0010	1	07/27/22 05:21	07/28/22 05:19	7440-47-3	
Iron, Dissolved	1.1	mg/L	0.25	0.058	1	07/27/22 05:21	07/28/22 05:19	7439-89-6	
Lead, Dissolved	<0.00024	mg/L	0.0010	0.00024	1	07/27/22 05:21	07/28/22 05:19	7439-92-1	
Manganese, Dissolved	0.12	mg/L	0.0040	0.0012	1	07/27/22 05:21	07/28/22 05:19	7439-96-5	
Nickel, Dissolved	0.00031J	mg/L	0.0010	0.00028	1	07/27/22 05:21	07/28/22 05:19	7440-02-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/28/22 09:50	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 09:50	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/22 09:50	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 09:50	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/28/22 09:50	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/28/22 09:50	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 09:50	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/28/22 09:50	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/28/22 09:50	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/28/22 09:50	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 09:50	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/28/22 09:50	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/28/22 09:50	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/28/22 09:50	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 09:50	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 09:50	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/28/22 09:50	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/28/22 09:50	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/28/22 09:50	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/28/22 09:50	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 09:50	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 09:50	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/28/22 09:50	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/28/22 09:50	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 09:50	75-34-3	

### REPORT OF LABORATORY ANALYSIS

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



### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: PZ-2112**      **Lab ID: 40248749014**      Collected: 07/25/22 15:50      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/28/22 09:50	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/28/22 09:50	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/28/22 09:50	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/28/22 09:50	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/28/22 09:50	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/28/22 09:50	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/28/22 09:50	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/28/22 09:50	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/28/22 09:50	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/28/22 09:50	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 09:50	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 09:50	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/28/22 09:50	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/28/22 09:50	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/28/22 09:50	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/28/22 09:50	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 09:50	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/28/22 09:50	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 09:50	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/28/22 09:50	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/28/22 09:50	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/28/22 09:50	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/28/22 09:50	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/28/22 09:50	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/28/22 09:50	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/22 09:50	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 09:50	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/28/22 09:50	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/28/22 09:50	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 09:50	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/28/22 09:50	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/28/22 09:50	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 09:50	108-67-8	
Vinyl chloride	0.45J	ug/L	1.0	0.17	1		07/28/22 09:50	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/28/22 09:50	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		07/28/22 09:50	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		07/28/22 09:50	2199-69-1	
Toluene-d8 (S)	95	%	70-130		1		07/28/22 09:50	2037-26-5	
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	1.8J	mg/L	4.0	1.2	1		07/29/22 14:04		

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: PZ-2112**      **Lab ID: 40248749014**      Collected: 07/25/22 15:50      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>189</b>	mg/L	40.0	8.6	20		07/27/22 16:50	16887-00-6	
Sulfate	<b>38.0J</b>	mg/L	40.0	8.9	20		07/27/22 16:50	14808-79-8	D3
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>542</b>	mg/L	50.0	14.9	2		07/28/22 10:20		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>18.0J</b>	mg/L	52.6	15.5	1	08/02/22 06:55	08/02/22 10:21		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>3.7</b>	mg/L	0.50	0.14	1		08/02/22 19:18	7440-44-0	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: MW-2102**      **Lab ID: 40248749015**      Collected: 07/25/22 14:55      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	7.1	ug/L	5.6	0.39	1		07/29/22 12:59	74-84-0	
Ethene	12.5	ug/L	5.0	0.25	1		07/29/22 12:59	74-85-1	
Methane	6640	ug/L	70.0	14.4	25		07/29/22 15:38	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Iron	221	mg/L	1.2	0.29	5	07/27/22 05:36	07/28/22 10:15	7439-89-6	
Manganese	1.9	mg/L	0.020	0.0061	5	07/27/22 05:36	07/28/22 10:15	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Barium, Dissolved	0.011	mg/L	0.0047	0.0014	2	07/27/22 05:21	07/28/22 05:04	7440-39-3	
Chromium, Dissolved	<0.0010	mg/L	0.0034	0.0010	1	07/27/22 05:21	07/28/22 10:59	7440-47-3	
Iron, Dissolved	237	mg/L	0.50	0.12	2	07/27/22 05:21	07/28/22 05:04	7439-89-6	D9
Lead, Dissolved	<0.00024	mg/L	0.0010	0.00024	1	07/27/22 05:21	07/28/22 10:59	7439-92-1	
Manganese, Dissolved	1.8	mg/L	0.0081	0.0024	2	07/27/22 05:21	07/28/22 05:04	7439-96-5	
Nickel, Dissolved	<0.00028	mg/L	0.0010	0.00028	1	07/27/22 05:21	07/28/22 10:59	7440-02-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	0.85J	ug/L	2.0	0.59	2		07/27/22 18:26	71-43-2	
Bromobenzene	<0.72	ug/L	2.0	0.72	2		07/27/22 18:26	108-86-1	
Bromochloromethane	<0.72	ug/L	10.0	0.72	2		07/27/22 18:26	74-97-5	
Bromodichloromethane	<0.83	ug/L	2.0	0.83	2		07/27/22 18:26	75-27-4	
Bromoform	<7.6	ug/L	10.0	7.6	2		07/27/22 18:26	75-25-2	
Bromomethane	<2.4	ug/L	10.0	2.4	2		07/27/22 18:26	74-83-9	
n-Butylbenzene	<1.7	ug/L	2.0	1.7	2		07/27/22 18:26	104-51-8	
sec-Butylbenzene	<0.85	ug/L	2.0	0.85	2		07/27/22 18:26	135-98-8	
tert-Butylbenzene	<1.2	ug/L	2.0	1.2	2		07/27/22 18:26	98-06-6	
Carbon tetrachloride	<0.74	ug/L	2.0	0.74	2		07/27/22 18:26	56-23-5	
Chlorobenzene	<1.7	ug/L	2.0	1.7	2		07/27/22 18:26	108-90-7	
Chloroethane	<2.8	ug/L	10.0	2.8	2		07/27/22 18:26	75-00-3	
Chloroform	<2.4	ug/L	10.0	2.4	2		07/27/22 18:26	67-66-3	
Chloromethane	<3.3	ug/L	10.0	3.3	2		07/27/22 18:26	74-87-3	
2-Chlorotoluene	<1.8	ug/L	10.0	1.8	2		07/27/22 18:26	95-49-8	
4-Chlorotoluene	<1.8	ug/L	10.0	1.8	2		07/27/22 18:26	106-43-4	
1,2-Dibromo-3-chloropropane	<4.7	ug/L	10.0	4.7	2		07/27/22 18:26	96-12-8	
Dibromochloromethane	<5.3	ug/L	10.0	5.3	2		07/27/22 18:26	124-48-1	
1,2-Dibromoethane (EDB)	<0.62	ug/L	2.0	0.62	2		07/27/22 18:26	106-93-4	
Dibromomethane	<2.0	ug/L	10.0	2.0	2		07/27/22 18:26	74-95-3	
1,2-Dichlorobenzene	<0.65	ug/L	2.0	0.65	2		07/27/22 18:26	95-50-1	
1,3-Dichlorobenzene	<0.70	ug/L	2.0	0.70	2		07/27/22 18:26	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	2.0	1.8	2		07/27/22 18:26	106-46-7	
Dichlorodifluoromethane	<0.91	ug/L	10.0	0.91	2		07/27/22 18:26	75-71-8	
1,1-Dichloroethane	0.91J	ug/L	2.0	0.59	2		07/27/22 18:26	75-34-3	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: MW-2102**      **Lab ID: 40248749015**      Collected: 07/25/22 14:55      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	<0.58	ug/L	2.0	0.58	2		07/27/22 18:26	107-06-2	
1,1-Dichloroethene	<1.2	ug/L	2.0	1.2	2		07/27/22 18:26	75-35-4	
cis-1,2-Dichloroethene	327	ug/L	2.0	0.94	2		07/27/22 18:26	156-59-2	
trans-1,2-Dichloroethene	1.6J	ug/L	2.0	1.1	2		07/27/22 18:26	156-60-5	
1,2-Dichloropropane	<0.90	ug/L	2.0	0.90	2		07/27/22 18:26	78-87-5	
1,3-Dichloropropane	<0.61	ug/L	2.0	0.61	2		07/27/22 18:26	142-28-9	
2,2-Dichloropropane	<8.4	ug/L	10.0	8.4	2		07/27/22 18:26	594-20-7	
1,1-Dichloropropene	<0.82	ug/L	2.0	0.82	2		07/27/22 18:26	563-58-6	
cis-1,3-Dichloropropene	<0.72	ug/L	2.0	0.72	2		07/27/22 18:26	10061-01-5	
trans-1,3-Dichloropropene	<6.9	ug/L	10.0	6.9	2		07/27/22 18:26	10061-02-6	
Diisopropyl ether	<2.2	ug/L	10.0	2.2	2		07/27/22 18:26	108-20-3	
Ethylbenzene	<0.65	ug/L	2.0	0.65	2		07/27/22 18:26	100-41-4	
Hexachloro-1,3-butadiene	<5.5	ug/L	10.0	5.5	2		07/27/22 18:26	87-68-3	
Isopropylbenzene (Cumene)	<2.0	ug/L	10.0	2.0	2		07/27/22 18:26	98-82-8	
p-Isopropyltoluene	<2.1	ug/L	10.0	2.1	2		07/27/22 18:26	99-87-6	
Methylene Chloride	<0.64	ug/L	10.0	0.64	2		07/27/22 18:26	75-09-2	
Methyl-tert-butyl ether	<2.3	ug/L	10.0	2.3	2		07/27/22 18:26	1634-04-4	
Naphthalene	<2.3	ug/L	10.0	2.3	2		07/27/22 18:26	91-20-3	
n-Propylbenzene	<0.69	ug/L	2.0	0.69	2		07/27/22 18:26	103-65-1	
Styrene	<0.71	ug/L	2.0	0.71	2		07/27/22 18:26	100-42-5	
1,1,1,2-Tetrachloroethane	<0.71	ug/L	2.0	0.71	2		07/27/22 18:26	630-20-6	
1,1,2,2-Tetrachloroethane	<0.76	ug/L	2.0	0.76	2		07/27/22 18:26	79-34-5	
Tetrachloroethene	<0.82	ug/L	2.0	0.82	2		07/27/22 18:26	127-18-4	
Toluene	<0.58	ug/L	2.0	0.58	2		07/27/22 18:26	108-88-3	
1,2,3-Trichlorobenzene	<2.0	ug/L	10.0	2.0	2		07/27/22 18:26	87-61-6	
1,2,4-Trichlorobenzene	<1.9	ug/L	10.0	1.9	2		07/27/22 18:26	120-82-1	
1,1,1-Trichloroethane	<0.61	ug/L	2.0	0.61	2		07/27/22 18:26	71-55-6	
1,1,2-Trichloroethane	<0.69	ug/L	10.0	0.69	2		07/27/22 18:26	79-00-5	
Trichloroethene	0.87J	ug/L	2.0	0.64	2		07/27/22 18:26	79-01-6	
Trichlorofluoromethane	<0.84	ug/L	2.0	0.84	2		07/27/22 18:26	75-69-4	
1,2,3-Trichloropropane	<1.1	ug/L	10.0	1.1	2		07/27/22 18:26	96-18-4	
1,2,4-Trimethylbenzene	<0.90	ug/L	2.0	0.90	2		07/27/22 18:26	95-63-6	
1,3,5-Trimethylbenzene	<0.71	ug/L	2.0	0.71	2		07/27/22 18:26	108-67-8	
Vinyl chloride	144	ug/L	2.0	0.35	2		07/27/22 18:26	75-01-4	
Xylene (Total)	<2.1	ug/L	6.0	2.1	2		07/27/22 18:26	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	70-130		2		07/27/22 18:26	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		2		07/27/22 18:26	2199-69-1	
Toluene-d8 (S)	93	%	70-130		2		07/27/22 18:26	2037-26-5	
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<12.0	mg/L	39.9	12.0	10		07/29/22 14:05		D3

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: MW-2102**      **Lab ID: 40248749015**      Collected: 07/25/22 14:55      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>124</b>	mg/L	10.0	2.2	5		07/27/22 17:48	16887-00-6	
Sulfate	<b>&lt;2.2</b>	mg/L	10.0	2.2	5		07/27/22 17:48	14808-79-8	D3
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>1170</b>	mg/L	125	37.2	5		07/28/22 10:21		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>4130</b>	mg/L	500	147	1	08/03/22 06:15	08/03/22 08:38		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>1570</b>	mg/L	150	41.5	300		08/02/22 19:33	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: MW-2104**      **Lab ID: 40248749016**      Collected: 07/25/22 16:00      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/27/22 12:55	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/27/22 12:55	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/27/22 12:55	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/27/22 12:55	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/27/22 12:55	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/27/22 12:55	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/27/22 12:55	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/27/22 12:55	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/27/22 12:55	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/27/22 12:55	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/27/22 12:55	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/27/22 12:55	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/27/22 12:55	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/27/22 12:55	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/27/22 12:55	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/27/22 12:55	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/27/22 12:55	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/27/22 12:55	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/27/22 12:55	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/27/22 12:55	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/27/22 12:55	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/27/22 12:55	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/27/22 12:55	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/27/22 12:55	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/27/22 12:55	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/27/22 12:55	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/27/22 12:55	75-35-4	
cis-1,2-Dichloroethene	2.6	ug/L	1.0	0.47	1		07/27/22 12:55	156-59-2	
trans-1,2-Dichloroethene	0.61J	ug/L	1.0	0.53	1		07/27/22 12:55	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/27/22 12:55	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/27/22 12:55	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/27/22 12:55	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/27/22 12:55	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/27/22 12:55	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/27/22 12:55	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/27/22 12:55	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/27/22 12:55	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/27/22 12:55	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/27/22 12:55	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/27/22 12:55	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/27/22 12:55	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/27/22 12:55	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/27/22 12:55	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/27/22 12:55	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/27/22 12:55	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: MW-2104**      **Lab ID: 40248749016**      Collected: 07/25/22 16:00      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/27/22 12:55	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/27/22 12:55	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/27/22 12:55	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/27/22 12:55	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/27/22 12:55	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/27/22 12:55	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/27/22 12:55	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/27/22 12:55	79-00-5	
Trichloroethene	0.39J	ug/L	1.0	0.32	1		07/27/22 12:55	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/27/22 12:55	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/27/22 12:55	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/27/22 12:55	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/27/22 12:55	108-67-8	
Vinyl chloride	0.87J	ug/L	1.0	0.17	1		07/27/22 12:55	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/27/22 12:55	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		07/27/22 12:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		07/27/22 12:55	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		07/27/22 12:55	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248749

**Sample: TRIP BLANK**      **Lab ID: 40248749017**      Collected: 07/25/22 06:00      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/27/22 11:53	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/27/22 11:53	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/27/22 11:53	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/27/22 11:53	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/27/22 11:53	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/27/22 11:53	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/27/22 11:53	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/27/22 11:53	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/27/22 11:53	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/27/22 11:53	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/27/22 11:53	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/27/22 11:53	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/27/22 11:53	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/27/22 11:53	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/27/22 11:53	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/27/22 11:53	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/27/22 11:53	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/27/22 11:53	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/27/22 11:53	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/27/22 11:53	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/27/22 11:53	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/27/22 11:53	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/27/22 11:53	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/27/22 11:53	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/27/22 11:53	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/27/22 11:53	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/27/22 11:53	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/27/22 11:53	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/27/22 11:53	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/27/22 11:53	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/27/22 11:53	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/27/22 11:53	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/27/22 11:53	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/27/22 11:53	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/27/22 11:53	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/27/22 11:53	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/27/22 11:53	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/27/22 11:53	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/27/22 11:53	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/27/22 11:53	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/27/22 11:53	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/27/22 11:53	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/27/22 11:53	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/27/22 11:53	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/27/22 11:53	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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



### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248749

**Sample: TRIP BLANK**      **Lab ID: 40248749017**      Collected: 07/25/22 06:00      Received: 07/26/22 08:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/27/22 11:53	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/27/22 11:53	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/27/22 11:53	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/27/22 11:53	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/27/22 11:53	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/27/22 11:53	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/27/22 11:53	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/27/22 11:53	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/27/22 11:53	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/27/22 11:53	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/27/22 11:53	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/27/22 11:53	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/27/22 11:53	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/27/22 11:53	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/27/22 11:53	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/27/22 11:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		07/27/22 11:53	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		07/27/22 11:53	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP  
Pace Project No.: 40248749

QC Batch:	422118	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: 40248749002, 40248749003, 40248749004, 40248749005, 40248749008, 40248749009, 40248749010, 40248749011, 40248749012, 40248749013, 40248749014, 40248749015

METHOD BLANK: 2431319 Matrix: Water  
Associated Lab Samples: 40248749002, 40248749003, 40248749004, 40248749005, 40248749008, 40248749009, 40248749010, 40248749011, 40248749012, 40248749013, 40248749014, 40248749015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.39	5.6	07/29/22 10:58	
Ethene	ug/L	<0.25	5.0	07/29/22 10:58	
Methane	ug/L	<0.58	2.8	07/29/22 10:58	

LABORATORY CONTROL SAMPLE & LCSD: 2431320 2431321

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	55.7	56.0	104	105	74-120	1	20	
Ethene	ug/L	50	52.2	52.4	104	105	71-122	0	20	
Methane	ug/L	28.6	30.7	31.1	107	109	73-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2431957 2431958

Parameter	Units	40248749003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<0.39	53.6	53.6	54.4	54.2	102	101	70-120	0	20	
Ethene	ug/L	<0.25	50	50	51.2	50.7	102	101	68-122	1	20	
Methane	ug/L	2.2J	28.6	28.6	34.5	34.4	113	112	10-200	0	20	

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP  
Pace Project No.: 40248749

QC Batch:	421827	Analysis Method:	EPA 6020B
QC Batch Method:	EPA 3010A	Analysis Description:	6020B MET
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40248749002, 40248749003, 40248749004, 40248749005, 40248749008, 40248749009, 40248749010, 40248749011, 40248749012, 40248749013, 40248749014, 40248749015

METHOD BLANK: 2429809 Matrix: Water  
Associated Lab Samples: 40248749002, 40248749003, 40248749004, 40248749005, 40248749008, 40248749009, 40248749010, 40248749011, 40248749012, 40248749013, 40248749014, 40248749015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	mg/L	<0.058	0.25	07/28/22 07:56	
Manganese	mg/L	<0.0012	0.0040	07/28/22 07:56	

LABORATORY CONTROL SAMPLE: 2429810

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	mg/L	10	9.8	98	80-120	
Manganese	mg/L	0.25	0.24	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2429811 2429812

Parameter	Units	2429811		2429812		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40248749002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Iron	mg/L	1.1	10	10	11.0	11.1	100	100	75-125	0	20
Manganese	mg/L	0.39	0.25	0.25	0.64	0.65	101	107	75-125	2	20

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP  
Pace Project No.: 40248749

QC Batch: 421826 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3010A Analysis Description: 6020B MET Dissolved  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40248749002, 40248749003, 40248749004, 40248749005, 40248749008, 40248749009, 40248749010, 40248749011, 40248749012, 40248749013, 40248749014, 40248749015

METHOD BLANK: 2429805 Matrix: Water  
Associated Lab Samples: 40248749002, 40248749003, 40248749004, 40248749005, 40248749008, 40248749009, 40248749010, 40248749011, 40248749012, 40248749013, 40248749014, 40248749015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Barium, Dissolved	mg/L	<0.00070	0.0023	07/28/22 01:53	
Calcium, Dissolved	mg/L	<0.076	0.25	07/28/22 01:53	
Chromium, Dissolved	mg/L	<0.0010	0.0034	07/28/22 01:53	
Iron, Dissolved	mg/L	<0.058	0.25	07/28/22 01:53	
Lead, Dissolved	mg/L	<0.00024	0.0010	07/28/22 01:53	
Magnesium, Dissolved	mg/L	<0.031	0.25	07/28/22 01:53	
Manganese, Dissolved	mg/L	<0.0012	0.0040	07/28/22 01:53	
Nickel, Dissolved	mg/L	<0.00028	0.0010	07/28/22 01:53	
Potassium, Dissolved	mg/L	<0.24	0.79	07/28/22 01:53	
Sodium, Dissolved	mg/L	<0.042	0.25	07/28/22 01:53	

LABORATORY CONTROL SAMPLE: 2429806

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium, Dissolved	mg/L	0.25	0.25	101	80-120	
Calcium, Dissolved	mg/L	10	9.7	97	80-120	
Chromium, Dissolved	mg/L	0.25	0.25	101	80-120	
Iron, Dissolved	mg/L	10	10.2	102	80-120	
Lead, Dissolved	mg/L	0.25	0.24	98	80-120	
Magnesium, Dissolved	mg/L	10	10.1	101	80-120	
Manganese, Dissolved	mg/L	0.25	0.26	103	80-120	
Nickel, Dissolved	mg/L	0.25	0.25	101	80-120	
Potassium, Dissolved	mg/L	10	10.2	102	80-120	
Sodium, Dissolved	mg/L	10	10.4	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2429807 2429808

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40248749002 Result	Spike Conc.	Spike Conc.	MS Result								
Barium, Dissolved	mg/L	0.075	0.25	0.25	0.33	0.32	103	99	75-125	3	20		
Calcium, Dissolved	mg/L	146	10	10	162	156	159	105	75-125	3	20	P6	
Chromium, Dissolved	mg/L	<0.0010	0.25	0.25	0.25	0.24	98	95	75-125	3	20		
Iron, Dissolved	mg/L	0.85	10	10	10.7	10.5	99	96	75-125	2	20		
Lead, Dissolved	mg/L	<0.00024	0.25	0.25	0.25	0.24	99	96	75-125	4	20		
Magnesium, Dissolved	mg/L	38.9	10	10	51.2	49.2	123	103	75-125	4	20		
Manganese, Dissolved	mg/L	0.37	0.25	0.25	0.63	0.61	106	97	75-125	3	20		

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP

Pace Project No.: 40248749

Parameter	Units	40248749002		2429807		2429808		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Nickel, Dissolved	mg/L	0.0019	0.25	0.25	0.24	0.23	95	93	75-125	2	20			
Potassium, Dissolved	mg/L	8.3	10	10	18.0	17.5	97	92	75-125	3	20			
Sodium, Dissolved	mg/L	197	10	10	218	210	210	124	75-125	4	20	P6		

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP  
Pace Project No.: 40248749

QC Batch: 421837 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40248749001, 40248749002, 40248749003, 40248749004, 40248749005, 40248749006, 40248749007, 40248749008, 40248749009, 40248749010, 40248749011, 40248749012, 40248749013, 40248749014, 40248749015, 40248749016, 40248749017

METHOD BLANK: 2429839 Matrix: Water

Associated Lab Samples: 40248749001, 40248749002, 40248749003, 40248749004, 40248749005, 40248749006, 40248749007, 40248749008, 40248749009, 40248749010, 40248749011, 40248749012, 40248749013, 40248749014, 40248749015, 40248749016, 40248749017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	07/27/22 09:27	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	07/27/22 09:27	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	07/27/22 09:27	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	07/27/22 09:27	
1,1-Dichloroethane	ug/L	<0.30	1.0	07/27/22 09:27	
1,1-Dichloroethene	ug/L	<0.58	1.0	07/27/22 09:27	
1,1-Dichloropropene	ug/L	<0.41	1.0	07/27/22 09:27	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	07/27/22 09:27	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	07/27/22 09:27	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	07/27/22 09:27	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	07/27/22 09:27	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	07/27/22 09:27	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	07/27/22 09:27	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	07/27/22 09:27	
1,2-Dichloroethane	ug/L	<0.29	1.0	07/27/22 09:27	
1,2-Dichloropropane	ug/L	<0.45	1.0	07/27/22 09:27	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	07/27/22 09:27	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	07/27/22 09:27	
1,3-Dichloropropane	ug/L	<0.30	1.0	07/27/22 09:27	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	07/27/22 09:27	
2,2-Dichloropropane	ug/L	<4.2	5.0	07/27/22 09:27	
2-Chlorotoluene	ug/L	<0.89	5.0	07/27/22 09:27	
4-Chlorotoluene	ug/L	<0.89	5.0	07/27/22 09:27	
Benzene	ug/L	<0.30	1.0	07/27/22 09:27	
Bromobenzene	ug/L	<0.36	1.0	07/27/22 09:27	
Bromochloromethane	ug/L	<0.36	5.0	07/27/22 09:27	
Bromodichloromethane	ug/L	<0.42	1.0	07/27/22 09:27	
Bromoform	ug/L	<3.8	5.0	07/27/22 09:27	
Bromomethane	ug/L	<1.2	5.0	07/27/22 09:27	
Carbon tetrachloride	ug/L	<0.37	1.0	07/27/22 09:27	
Chlorobenzene	ug/L	<0.86	1.0	07/27/22 09:27	
Chloroethane	ug/L	<1.4	5.0	07/27/22 09:27	
Chloroform	ug/L	<1.2	5.0	07/27/22 09:27	
Chloromethane	ug/L	<1.6	5.0	07/27/22 09:27	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	07/27/22 09:27	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	07/27/22 09:27	
Dibromochloromethane	ug/L	<2.6	5.0	07/27/22 09:27	

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP  
Pace Project No.: 40248749

METHOD BLANK: 2429839 Matrix: Water  
Associated Lab Samples: 40248749001, 40248749002, 40248749003, 40248749004, 40248749005, 40248749006, 40248749007, 40248749008, 40248749009, 40248749010, 40248749011, 40248749012, 40248749013, 40248749014, 40248749015, 40248749016, 40248749017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<0.99	5.0	07/27/22 09:27	
Dichlorodifluoromethane	ug/L	<0.46	5.0	07/27/22 09:27	
Diisopropyl ether	ug/L	<1.1	5.0	07/27/22 09:27	
Ethylbenzene	ug/L	<0.33	1.0	07/27/22 09:27	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	07/27/22 09:27	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	07/27/22 09:27	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	07/27/22 09:27	
Methylene Chloride	ug/L	<0.32	5.0	07/27/22 09:27	
n-Butylbenzene	ug/L	<0.86	1.0	07/27/22 09:27	
n-Propylbenzene	ug/L	<0.35	1.0	07/27/22 09:27	
Naphthalene	ug/L	<1.1	5.0	07/27/22 09:27	
p-Isopropyltoluene	ug/L	<1.0	5.0	07/27/22 09:27	
sec-Butylbenzene	ug/L	<0.42	1.0	07/27/22 09:27	
Styrene	ug/L	<0.36	1.0	07/27/22 09:27	
tert-Butylbenzene	ug/L	<0.59	1.0	07/27/22 09:27	
Tetrachloroethene	ug/L	<0.41	1.0	07/27/22 09:27	
Toluene	ug/L	<0.29	1.0	07/27/22 09:27	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	07/27/22 09:27	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	07/27/22 09:27	
Trichloroethene	ug/L	<0.32	1.0	07/27/22 09:27	
Trichlorofluoromethane	ug/L	<0.42	1.0	07/27/22 09:27	
Vinyl chloride	ug/L	<0.17	1.0	07/27/22 09:27	
Xylene (Total)	ug/L	<1.0	3.0	07/27/22 09:27	
1,2-Dichlorobenzene-d4 (S)	%	105	70-130	07/27/22 09:27	
4-Bromofluorobenzene (S)	%	96	70-130	07/27/22 09:27	
Toluene-d8 (S)	%	96	70-130	07/27/22 09:27	

LABORATORY CONTROL SAMPLE: 2429840

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	51.1	102	70-130	
1,1,1-Trichloroethane	ug/L	50	47.2	94	70-134	
1,1,2,2-Tetrachloroethane	ug/L	50	49.0	98	69-130	
1,1,2-Trichloroethane	ug/L	50	54.1	108	70-130	
1,1-Dichloroethane	ug/L	50	45.4	91	70-130	
1,1-Dichloroethene	ug/L	50	43.3	87	74-131	
1,1-Dichloropropene	ug/L	50	50.1	100	70-130	
1,2,3-Trichlorobenzene	ug/L	50	49.8	100	67-130	
1,2,3-Trichloropropane	ug/L	50	46.8	94	70-130	
1,2,4-Trichlorobenzene	ug/L	50	52.8	106	68-130	
1,2,4-Trimethylbenzene	ug/L	50	53.2	106	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	48.5	97	64-137	

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP

Pace Project No.: 40248749

LABORATORY CONTROL SAMPLE: 2429840

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	50	53.6	107	70-130	
1,2-Dichlorobenzene	ug/L	50	50.1	100	70-130	
1,2-Dichloroethane	ug/L	50	47.1	94	70-137	
1,2-Dichloropropane	ug/L	50	48.6	97	80-121	
1,3,5-Trimethylbenzene	ug/L	50	53.6	107	70-130	
1,3-Dichlorobenzene	ug/L	50	51.1	102	70-130	
1,3-Dichloropropane	ug/L	50	52.0	104	70-130	
1,4-Dichlorobenzene	ug/L	50	48.3	97	70-130	
2,2-Dichloropropane	ug/L	50	49.5	99	66-131	
2-Chlorotoluene	ug/L	50	48.5	97	70-130	
4-Chlorotoluene	ug/L	50	49.9	100	70-130	
Benzene	ug/L	50	51.3	103	70-130	
Bromobenzene	ug/L	50	48.9	98	70-130	
Bromochloromethane	ug/L	50	51.4	103	70-130	
Bromodichloromethane	ug/L	50	51.2	102	70-130	
Bromoform	ug/L	50	54.0	108	70-130	
Bromomethane	ug/L	50	53.2	106	21-147	
Carbon tetrachloride	ug/L	50	51.4	103	80-146	
Chlorobenzene	ug/L	50	50.2	100	70-130	
Chloroethane	ug/L	50	40.4	81	52-165	
Chloroform	ug/L	50	48.9	98	80-123	
Chloromethane	ug/L	50	36.0	72	51-122	
cis-1,2-Dichloroethene	ug/L	50	48.1	96	70-130	
cis-1,3-Dichloropropene	ug/L	50	50.8	102	70-130	
Dibromochloromethane	ug/L	50	53.2	106	70-130	
Dibromomethane	ug/L	50	48.4	97	70-130	
Dichlorodifluoromethane	ug/L	50	33.3	67	25-121	
Diisopropyl ether	ug/L	50	45.3	91	64-141	
Ethylbenzene	ug/L	50	52.2	104	80-120	
Hexachloro-1,3-butadiene	ug/L	50	51.0	102	57-131	
Isopropylbenzene (Cumene)	ug/L	50	52.4	105	70-130	
Methyl-tert-butyl ether	ug/L	50	46.9	94	70-130	
Methylene Chloride	ug/L	50	39.7	79	70-130	
n-Butylbenzene	ug/L	50	50.2	100	70-130	
n-Propylbenzene	ug/L	50	51.2	102	70-130	
Naphthalene	ug/L	50	49.4	99	70-130	
p-Isopropyltoluene	ug/L	50	49.8	100	70-130	
sec-Butylbenzene	ug/L	50	50.5	101	70-130	
Styrene	ug/L	50	51.5	103	70-130	
tert-Butylbenzene	ug/L	50	48.7	97	70-132	
Tetrachloroethene	ug/L	50	53.9	108	70-130	
Toluene	ug/L	50	50.4	101	80-120	
trans-1,2-Dichloroethene	ug/L	50	47.9	96	70-130	
trans-1,3-Dichloropropene	ug/L	50	45.1	90	70-130	
Trichloroethene	ug/L	50	48.7	97	70-130	
Trichlorofluoromethane	ug/L	50	40.1	80	65-160	
Vinyl chloride	ug/L	50	38.6	77	63-134	

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

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



### QUALITY CONTROL DATA

Project: 60682984.1F KEP  
Pace Project No.: 40248749

LABORATORY CONTROL SAMPLE: 2429840

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	153	102	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			94	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2429953 2429954

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40248749008	Spike Conc.	Spike Conc.	Conc.								
1,1,1,2-Tetrachloroethane	ug/L	<0.36	50	50	50.2	49.2	100	98	70-130	2	20		
1,1,1-Trichloroethane	ug/L	<0.30	50	50	51.3	51.3	103	103	70-134	0	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	52.6	53.7	105	107	61-135	2	20		
1,1,2-Trichloroethane	ug/L	<0.34	50	50	53.2	54.3	106	109	70-130	2	20		
1,1-Dichloroethane	ug/L	0.30J	50	50	48.5	48.3	96	96	70-130	0	20		
1,1-Dichloroethene	ug/L	<0.58	50	50	49.9	49.4	100	99	71-130	1	20		
1,1-Dichloropropene	ug/L	<0.41	50	50	56.1	55.3	112	111	70-130	1	20		
1,2,3-Trichlorobenzene	ug/L	<1.0	50	50	51.2	52.6	102	105	67-130	3	20		
1,2,3-Trichloropropane	ug/L	<0.56	50	50	48.7	51.2	97	102	70-130	5	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	53.0	55.4	106	111	68-131	5	20		
1,2,4-Trimethylbenzene	ug/L	<0.45	50	50	56.6	57.3	113	115	70-130	1	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	53.1	53.3	106	107	51-141	0	20		
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	54.4	55.3	109	111	70-130	2	20		
1,2-Dichlorobenzene	ug/L	<0.33	50	50	50.8	52.4	102	105	70-130	3	20		
1,2-Dichloroethane	ug/L	<0.29	50	50	48.1	48.8	96	98	70-137	1	20		
1,2-Dichloropropane	ug/L	<0.45	50	50	50.2	49.0	100	98	80-121	2	20		
1,3,5-Trimethylbenzene	ug/L	<0.36	50	50	55.3	57.5	111	115	70-130	4	20		
1,3-Dichlorobenzene	ug/L	<0.35	50	50	51.9	53.7	104	107	70-130	3	20		
1,3-Dichloropropane	ug/L	<0.30	50	50	51.0	51.2	102	102	70-130	0	20		
1,4-Dichlorobenzene	ug/L	<0.89	50	50	49.4	50.8	99	102	70-130	3	20		
2,2-Dichloropropane	ug/L	<4.2	50	50	55.3	54.9	111	110	66-131	1	20		
2-Chlorotoluene	ug/L	<0.89	50	50	52.0	53.5	104	107	70-130	3	20		
4-Chlorotoluene	ug/L	<0.89	50	50	52.3	53.1	105	106	70-131	1	20		
Benzene	ug/L	<0.30	50	50	54.4	54.9	109	110	70-130	1	20		
Bromobenzene	ug/L	<0.36	50	50	48.1	50.1	96	100	70-130	4	20		
Bromochloromethane	ug/L	<0.36	50	50	51.1	50.3	102	101	70-130	2	20		
Bromodichloromethane	ug/L	<0.42	50	50	51.1	51.2	102	102	70-130	0	20		
Bromoform	ug/L	<3.8	50	50	52.3	52.1	105	104	70-133	0	20		
Bromomethane	ug/L	<1.2	50	50	50.6	50.0	101	100	21-149	1	22		
Carbon tetrachloride	ug/L	<0.37	50	50	55.9	56.0	112	112	80-146	0	20		
Chlorobenzene	ug/L	<0.86	50	50	51.8	51.2	104	102	70-130	1	20		
Chloroethane	ug/L	<1.4	50	50	52.5	47.0	105	94	52-165	11	20		
Chloroform	ug/L	<1.2	50	50	49.8	49.8	100	100	80-123	0	20		
Chloromethane	ug/L	<1.6	50	50	41.6	41.2	83	82	42-125	1	20		
cis-1,2-Dichloroethene	ug/L	5.4	50	50	54.6	55.4	98	100	70-130	1	20		

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP  
Pace Project No.: 40248749

Parameter	Units	2429953		2429954		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40248749008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	49.7	50.4	99	101	70-130	1	20		
Dibromochloromethane	ug/L	<2.6	50	50	51.3	51.4	103	103	70-130	0	20		
Dibromomethane	ug/L	<0.99	50	50	48.7	48.6	97	97	70-130	0	20		
Dichlorodifluoromethane	ug/L	<0.46	50	50	37.4	37.3	75	75	25-121	0	20		
Diisopropyl ether	ug/L	<1.1	50	50	46.6	46.6	93	93	62-142	0	20		
Ethylbenzene	ug/L	<0.33	50	50	55.4	55.0	111	110	80-121	1	20		
Hexachloro-1,3-butadiene	ug/L	<2.7	50	50	54.2	55.0	108	110	57-133	1	20		
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	55.4	55.9	111	112	70-130	1	20		
Methyl-tert-butyl ether	ug/L	<1.1	50	50	49.7	49.4	99	99	70-130	1	20		
Methylene Chloride	ug/L	<0.32	50	50	40.2	40.4	80	81	70-130	1	20		
n-Butylbenzene	ug/L	<0.86	50	50	54.0	55.2	108	110	70-130	2	20		
n-Propylbenzene	ug/L	<0.35	50	50	56.0	57.6	112	115	70-130	3	20		
Naphthalene	ug/L	<1.1	50	50	54.1	57.4	108	115	51-158	6	20		
p-Isopropyltoluene	ug/L	<1.0	50	50	53.9	55.6	108	111	70-131	3	20		
sec-Butylbenzene	ug/L	<0.42	50	50	55.6	57.2	111	114	70-130	3	20		
Styrene	ug/L	<0.36	50	50	51.4	51.5	103	103	70-132	0	20		
tert-Butylbenzene	ug/L	<0.59	50	50	53.2	54.5	106	109	70-132	3	20		
Tetrachloroethene	ug/L	<0.41	50	50	57.2	57.7	114	115	70-130	1	20		
Toluene	ug/L	<0.29	50	50	53.5	52.2	107	104	80-120	2	20		
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	52.3	50.9	105	102	70-130	3	20		
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	45.5	46.7	91	93	70-130	2	20		
Trichloroethene	ug/L	<0.32	50	50	53.2	52.9	106	106	70-130	1	20		
Trichlorofluoromethane	ug/L	<0.42	50	50	45.3	44.6	91	89	65-160	2	20		
Vinyl chloride	ug/L	3.4	50	50	47.7	47.5	89	88	60-137	0	20		
Xylene (Total)	ug/L	<1.0	150	150	160	159	107	106	70-130	1	20		
1,2-Dichlorobenzene-d4 (S)	%						99	100	70-130				
4-Bromofluorobenzene (S)	%						97	97	70-130				
Toluene-d8 (S)	%						101	100	70-130				

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP

Pace Project No.: 40248749

QC Batch:	422038	Analysis Method:	SM 4500-S F (2000)
QC Batch Method:	SM 4500-S F (2000)	Analysis Description:	4500S2F Sulfide, Iodometric
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40248749002, 40248749003, 40248749004, 40248749005, 40248749008, 40248749009, 40248749010, 40248749011, 40248749012

METHOD BLANK: 2430904 Matrix: Water

Associated Lab Samples: 40248749002, 40248749003, 40248749004, 40248749005, 40248749008, 40248749009, 40248749010, 40248749011, 40248749012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	<1.2	4.0	07/28/22 14:34	

LABORATORY CONTROL SAMPLE: 2430905

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	44.8	40.4	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2430906 2430907

Parameter	Units	40248749002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	<1.2	44.8	44.8	39.6	37.2	88	83	80-120	6	10	

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP  
Pace Project No.: 40248749

---

QC Batch: 422148	Analysis Method: SM 4500-S F (2000)
QC Batch Method: SM 4500-S F (2000)	Analysis Description: 4500S2F Sulfide, Iodometric
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40248749013, 40248749014, 40248749015

---

METHOD BLANK: 2431640 Matrix: Water  
Associated Lab Samples: 40248749013, 40248749014, 40248749015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	<1.2	4.0	07/29/22 13:51	

---

LABORATORY CONTROL SAMPLE: 2431641

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	45.6	46.0	101	80-120	

---

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2431642 2431643

Parameter	Units	2431642		2431643		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Sulfide	mg/L	2.2J	45.6	45.6	42.8	45.2	89	94	80-120	5	10	

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP  
Pace Project No.: 40248749

QC Batch:	421807	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: 40248749002, 40248749003, 40248749004, 40248749005, 40248749008, 40248749009, 40248749010, 40248749011, 40248749012, 40248749013, 40248749014, 40248749015

METHOD BLANK: 2429681 Matrix: Water  
Associated Lab Samples: 40248749002, 40248749003, 40248749004, 40248749005, 40248749008, 40248749009, 40248749010, 40248749011, 40248749012, 40248749013, 40248749014, 40248749015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.43	2.0	07/27/22 12:38	
Sulfate	mg/L	<0.44	2.0	07/27/22 12:38	

LABORATORY CONTROL SAMPLE: 2429682

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	20.7	104	90-110	
Sulfate	mg/L	20	20.6	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2429683 2429684

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.								
Chloride	mg/L	169	400	400	612	573	111	101	90-110	7	15	M0	
Sulfate	mg/L	374	400	400	810	751	109	94	90-110	8	15		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2429685 2429686

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.								
Chloride	mg/L	2.4	20	20	24.4	24.6	110	111	90-110	1	15	M0	
Sulfate	mg/L	2.1	20	20	24.0	24.1	109	110	90-110	0	15		

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP  
Pace Project No.: 40248749

QC Batch:	421962	Analysis Method:	EPA 310.2
QC Batch Method:	EPA 310.2	Analysis Description:	310.2 Alkalinity
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40248749002, 40248749003, 40248749004, 40248749005, 40248749008, 40248749009, 40248749010, 40248749011, 40248749012, 40248749013, 40248749014, 40248749015

METHOD BLANK: 2430450 Matrix: Water  
Associated Lab Samples: 40248749002, 40248749003, 40248749004, 40248749005, 40248749008, 40248749009, 40248749010, 40248749011, 40248749012, 40248749013, 40248749014, 40248749015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<7.4	25.0	07/28/22 10:01	

LABORATORY CONTROL SAMPLE: 2430451

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	100	99.0	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2430452 2430453

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40248749011 Result	Spike Conc.	Spike Conc.	Conc.								
Alkalinity, Total as CaCO3	mg/L	412	200	200	594	589	91	89	90-110	1	20	M0	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2430454 2430455

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40248822015 Result	Spike Conc.	Spike Conc.	Conc.								
Alkalinity, Total as CaCO3	mg/L	178	500	500	707	698	106	104	90-110	1	20		

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP  
Pace Project No.: 40248749

QC Batch:	422317	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40248749002, 40248749003, 40248749004, 40248749005, 40248749008, 40248749009, 40248749010, 40248749011

METHOD BLANK: 2432661 Matrix: Water  
Associated Lab Samples: 40248749002, 40248749003, 40248749004, 40248749005, 40248749008, 40248749009, 40248749010, 40248749011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<14.7	50.0	08/02/22 10:11	

LABORATORY CONTROL SAMPLE: 2432662

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	525	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2432663 2432664

Parameter	Units	40248749002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	<15.5	526	526	557	562	106	107	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2432665 2432666

Parameter	Units	40248749003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	<15.5	526	526	562	564	107	107	90-110	0	10	

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP

Pace Project No.: 40248749

QC Batch: 422318

Analysis Method: EPA 410.4

QC Batch Method: EPA 410.4

Analysis Description: 410.4 COD

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40248749012, 40248749013, 40248749014

METHOD BLANK: 2432667

Matrix: Water

Associated Lab Samples: 40248749012, 40248749013, 40248749014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<14.7	50.0	08/02/22 10:17	

LABORATORY CONTROL SAMPLE: 2432668

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	520	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2432669 2432670

Parameter	Units	40248155002		2432669		2432670		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.					
Chemical Oxygen Demand	mg/L	27.3J	526	526	526	573	587	104	106	90-110	2	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2432671 2432672

Parameter	Units	40248749014		2432671		2432672		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.					
Chemical Oxygen Demand	mg/L	18.0J	526	526	526	562	571	103	105	90-110	2	10

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

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



### QUALITY CONTROL DATA

Project: 60682984.1F KEP  
Pace Project No.: 40248749

QC Batch: 422455	Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4	Analysis Description: 410.4 COD
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40248749015

METHOD BLANK: 2433281 Matrix: Water

Associated Lab Samples: 40248749015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<14.7	50.0	08/03/22 08:35	

LABORATORY CONTROL SAMPLE: 2433282

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	527	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2433283 2433284

Parameter	Units	40248553005		MS		MSD		% Rec		Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Conc.	Result	Result	% Rec	% Rec				
Chemical Oxygen Demand	mg/L	<15.5	526	526	568	562	106	105	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2433285 2433286

Parameter	Units	40248927001		MS		MSD		% Rec		Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Conc.	Result	Result	% Rec	% Rec				
Chemical Oxygen Demand	mg/L	<15.5	526	526	557	552	105	104	90-110	1	10		

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP  
Pace Project No.: 40248749

QC Batch:	422181	Analysis Method:	SM 5310C
QC Batch Method:	SM 5310C	Analysis Description:	5310C Total Organic Carbon
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40248749002, 40248749003, 40248749004, 40248749005, 40248749008, 40248749009, 40248749010, 40248749011, 40248749012, 40248749013, 40248749014, 40248749015

METHOD BLANK: 2432271 Matrix: Water  
Associated Lab Samples: 40248749002, 40248749003, 40248749004, 40248749005, 40248749008, 40248749009, 40248749010, 40248749011, 40248749012, 40248749013, 40248749014, 40248749015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.14	0.50	08/02/22 12:44	

LABORATORY CONTROL SAMPLE: 2432272

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	12.5	12.4	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2432273 2432274

Parameter	Units	40248749002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	2.8	6	6	8.6	8.7	98	99	80-120	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2432275 2432276

Parameter	Units	40248749003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	2.5	6	6	8.0	7.9	92	90	80-120	1	10	

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

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

## QUALIFIERS

Project: 60682984.1F KEP

Pace Project No.: 40248749

---

### DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

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

D9 Dissolved result is greater than the total. Data is within laboratory control limits.

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

P6 Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

## REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60682984.1F KEP

Pace Project No.: 40248749

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40248749002	MW-2110	EPA 8015B Modified	422118		
40248749003	PZ-2110	EPA 8015B Modified	422118		
40248749004	MW-2107	EPA 8015B Modified	422118		
40248749005	PZ-2107	EPA 8015B Modified	422118		
40248749008	MW-2114	EPA 8015B Modified	422118		
40248749009	PZ-2114	EPA 8015B Modified	422118		
40248749010	MW-61	EPA 8015B Modified	422118		
40248749011	MW-61D	EPA 8015B Modified	422118		
40248749012	PZ-61	EPA 8015B Modified	422118		
40248749013	MW-2112	EPA 8015B Modified	422118		
40248749014	PZ-2112	EPA 8015B Modified	422118		
40248749015	MW-2102	EPA 8015B Modified	422118		
40248749002	MW-2110	EPA 3010A	421827	EPA 6020B	421907
40248749003	PZ-2110	EPA 3010A	421827	EPA 6020B	421907
40248749004	MW-2107	EPA 3010A	421827	EPA 6020B	421907
40248749005	PZ-2107	EPA 3010A	421827	EPA 6020B	421907
40248749008	MW-2114	EPA 3010A	421827	EPA 6020B	421907
40248749009	PZ-2114	EPA 3010A	421827	EPA 6020B	421907
40248749010	MW-61	EPA 3010A	421827	EPA 6020B	421907
40248749011	MW-61D	EPA 3010A	421827	EPA 6020B	421907
40248749012	PZ-61	EPA 3010A	421827	EPA 6020B	421907
40248749013	MW-2112	EPA 3010A	421827	EPA 6020B	421907
40248749014	PZ-2112	EPA 3010A	421827	EPA 6020B	421907
40248749015	MW-2102	EPA 3010A	421827	EPA 6020B	421907
40248749002	MW-2110	EPA 3010A	421826	EPA 6020B	421906
40248749003	PZ-2110	EPA 3010A	421826	EPA 6020B	421906
40248749004	MW-2107	EPA 3010A	421826	EPA 6020B	421906
40248749005	PZ-2107	EPA 3010A	421826	EPA 6020B	421906
40248749008	MW-2114	EPA 3010A	421826	EPA 6020B	421906
40248749009	PZ-2114	EPA 3010A	421826	EPA 6020B	421906
40248749010	MW-61	EPA 3010A	421826	EPA 6020B	421906
40248749011	MW-61D	EPA 3010A	421826	EPA 6020B	421906
40248749012	PZ-61	EPA 3010A	421826	EPA 6020B	421906
40248749013	MW-2112	EPA 3010A	421826	EPA 6020B	421906
40248749014	PZ-2112	EPA 3010A	421826	EPA 6020B	421906
40248749015	MW-2102	EPA 3010A	421826	EPA 6020B	421906
40248749001	MW-2108	EPA 8260	421837		
40248749002	MW-2110	EPA 8260	421837		
40248749003	PZ-2110	EPA 8260	421837		
40248749004	MW-2107	EPA 8260	421837		
40248749005	PZ-2107	EPA 8260	421837		
40248749006	MW-2109	EPA 8260	421837		
40248749007	PZ-2109	EPA 8260	421837		
40248749008	MW-2114	EPA 8260	421837		
40248749009	PZ-2114	EPA 8260	421837		
40248749010	MW-61	EPA 8260	421837		
40248749011	MW-61D	EPA 8260	421837		

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60682984.1F KEP

Pace Project No.: 40248749

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40248749012	PZ-61	EPA 8260	421837		
40248749013	MW-2112	EPA 8260	421837		
40248749014	PZ-2112	EPA 8260	421837		
40248749015	MW-2102	EPA 8260	421837		
40248749016	MW-2104	EPA 8260	421837		
40248749017	TRIP BLANK	EPA 8260	421837		
40248749002	MW-2110	SM 4500-S F (2000)	422038		
40248749003	PZ-2110	SM 4500-S F (2000)	422038		
40248749004	MW-2107	SM 4500-S F (2000)	422038		
40248749005	PZ-2107	SM 4500-S F (2000)	422038		
40248749008	MW-2114	SM 4500-S F (2000)	422038		
40248749009	PZ-2114	SM 4500-S F (2000)	422038		
40248749010	MW-61	SM 4500-S F (2000)	422038		
40248749011	MW-61D	SM 4500-S F (2000)	422038		
40248749012	PZ-61	SM 4500-S F (2000)	422038		
40248749013	MW-2112	SM 4500-S F (2000)	422148		
40248749014	PZ-2112	SM 4500-S F (2000)	422148		
40248749015	MW-2102	SM 4500-S F (2000)	422148		
40248749002	MW-2110	EPA 300.0	421807		
40248749003	PZ-2110	EPA 300.0	421807		
40248749004	MW-2107	EPA 300.0	421807		
40248749005	PZ-2107	EPA 300.0	421807		
40248749008	MW-2114	EPA 300.0	421807		
40248749009	PZ-2114	EPA 300.0	421807		
40248749010	MW-61	EPA 300.0	421807		
40248749011	MW-61D	EPA 300.0	421807		
40248749012	PZ-61	EPA 300.0	421807		
40248749013	MW-2112	EPA 300.0	421807		
40248749014	PZ-2112	EPA 300.0	421807		
40248749015	MW-2102	EPA 300.0	421807		
40248749002	MW-2110	EPA 310.2	421962		
40248749003	PZ-2110	EPA 310.2	421962		
40248749004	MW-2107	EPA 310.2	421962		
40248749005	PZ-2107	EPA 310.2	421962		
40248749008	MW-2114	EPA 310.2	421962		
40248749009	PZ-2114	EPA 310.2	421962		
40248749010	MW-61	EPA 310.2	421962		
40248749011	MW-61D	EPA 310.2	421962		
40248749012	PZ-61	EPA 310.2	421962		
40248749013	MW-2112	EPA 310.2	421962		
40248749014	PZ-2112	EPA 310.2	421962		
40248749015	MW-2102	EPA 310.2	421962		
40248749002	MW-2110	EPA 410.4	422317	EPA 410.4	422364
40248749003	PZ-2110	EPA 410.4	422317	EPA 410.4	422364
40248749004	MW-2107	EPA 410.4	422317	EPA 410.4	422364
40248749005	PZ-2107	EPA 410.4	422317	EPA 410.4	422364

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60682984.1F KEP  
Pace Project No.: 40248749

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40248749008	MW-2114	EPA 410.4	422317	EPA 410.4	422364
40248749009	PZ-2114	EPA 410.4	422317	EPA 410.4	422364
40248749010	MW-61	EPA 410.4	422317	EPA 410.4	422364
40248749011	MW-61D	EPA 410.4	422317	EPA 410.4	422364
40248749012	PZ-61	EPA 410.4	422318	EPA 410.4	422365
40248749013	MW-2112	EPA 410.4	422318	EPA 410.4	422365
40248749014	PZ-2112	EPA 410.4	422318	EPA 410.4	422365
40248749015	MW-2102	EPA 410.4	422455	EPA 410.4	422488
40248749002	MW-2110	SM 5310C	422181		
40248749003	PZ-2110	SM 5310C	422181		
40248749004	MW-2107	SM 5310C	422181		
40248749005	PZ-2107	SM 5310C	422181		
40248749008	MW-2114	SM 5310C	422181		
40248749009	PZ-2114	SM 5310C	422181		
40248749010	MW-61	SM 5310C	422181		
40248749011	MW-61D	SM 5310C	422181		
40248749012	PZ-61	SM 5310C	422181		
40248749013	MW-2112	SM 5310C	422181		
40248749014	PZ-2112	SM 5310C	422181		
40248749015	MW-2102	SM 5310C	422181		

### REPORT OF LABORATORY ANALYSIS

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: AECOM - Milw		Report To: Lanette Altenbach		Attention: Accounts Payable/Finance Department	
Address: 1555 N. River Center Dr., Suite 214		Copy To:		Company Name: City of Kenosha	
Milwaukee, WI 53212		Purchase Order No. <b>07/15/22</b> <b>130</b>		Address: 652 52nd St., Kenosha, WI 53140	
Email To: Lanette.Altenbach@aecom.com		Project Name: KEP <b>See Lanette</b> <b>07/15/22</b> <b>130</b>		Pace Quote Reference:	
Phone: 414-577-1363	Fax:	Project Number: <b>60682934.1F</b>		Pace Project Manager: Chris Hyska	
Requested Due Date/TAT: Standard				Pace Profile #: (2430) Kenosha work	

Page: 1 of 2

**REGULATORY AGENCY**

NPDES     GROUND WATER     DRINKING WATER  
 UST     RCRA    OTHER \_\_\_\_\_

**SITE LOCATION**

\_ GA    \_ IL    \_ IN    \_ MI    \_ NC  
 \_ OH    \_ SC     WI    OTHER \_\_\_\_\_

Filtered (Y/N)	N	N	N	N	N	Y	N	N
Requested								
An:								

ITEM #	Section D Required Client Information <b>SAMPLE ID</b> One Character per box. (A-Z, 0-9 / .-) Samples IDs MUST BE UNIQUE	Valid Matrix Codes <b>MATRIX</b> DRINKING WATER WATER WASTE WATER PRODUCT SOIL/SOLID OIL WIPE AIR OTHER TISSUE  <b>CODE</b> DW WT WW F SL OL WP AR OT TS	MATRIX CODE	SAMPLE TYPE G-GRAB C-COMP	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives									Requested	Pace Project Number Lab I.D.										
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other	VOCs B&B			TOC	Alkalinity, Cl, SO <sub>4</sub>	Methane/Ethene/Ethene	Total Metals	Diss. Metals	Sulfide	COD	Residual Chlorine (Y/N)		
					DATE	TIME	DATE	TIME																							
1				WT	G			07/25																							
2	MW-2108			WT						0940	3																				001
3	MW-2110			WT						1000	12	1	2	2	6	1															002
4	PZ-2110			WT						1050	12	1	2	2	6	1															003
5	MW-2107			WT						1030	12	1	2	2	6	1															004
6	PZ-2107			WT						1120	12	1	2	2	6	1															005
7	MW-2109			WT						1225	3				3																006
8	PZ-2109			WT						1300	3				3																007
9	MW-2114			WT						1240	12	1	2	2	6	1															008
10	PZ-2114			WT						1330	12	1	2	2	6	1															009
11	MW-61			WT						1430	12	1	2	2	6	1															010
12	MW-61D			WT	V					1430	12	1	2	2	6	1															011

**Additional Comments:**

Total Metals: Fe, Mn

Dissolved Metals: Fe, Mn, Ba, Cr, Pb, Ni

- Include Diss Ca, Mg, Na, K for  
PZ-2101, PZ-2103, and PZ-2110

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
Keith Nielsen - AECOM	07/25	1700						Y/N	Y/N	Y/N
CS Logistics	7/22/22	0845	JAMMY [Signature]	7/22/22	0845	1,1,1,5		Y/N	Y/N	Y/N
								Y/N	Y/N	Y/N

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER: Keith Nielsen

SIGNATURE OF SAMPLER: [Signature] DATE Signed (MM/DD/YY): 07/15/22

Temp in °C

Received on Ice

Custody Sealed Cooler

Samples Intact



# CHAIN-OF-CUSTODY / Analytical Request Document

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

40248749

Page: 2 of 2

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:	
Company: AECOM - Milw		Report To: Lanette Altenbach		Attention: Accounts Payable/Finance Department	
Address: 1555 N. River Center Dr., Suite 214		Copy To:		Company Name: City of Kenosha	
Milwaukee, WI 53212		Purchase Order No. <i>Ken 210512</i>		Address: 652 52nd St., Kenosha, WI 53140	
Email To: Lanette.Altensch@aecom.com		Project Name: KEP <i>Ken 2105/22</i>		Pace Quote Reference:	
Phone: 414-577-1363 Fax:		Project Number: <i>66-112904.11F</i>		Pace Project Manager: Chris Hyska	
Requested Due Date/TAT: Standard				Pace Profile #: (2430) Kenosha work	

REGULATORY AGENCY		
<input type="checkbox"/> NPDES	<input checked="" type="checkbox"/> GROUND WATER	<input type="checkbox"/> DRINKING WATER
<input type="checkbox"/> UST	<input type="checkbox"/> RCRA	OTHER _____

SITE LOCATION	
<input type="checkbox"/> GA	<input type="checkbox"/> IL <input type="checkbox"/> IN <input type="checkbox"/> MI <input type="checkbox"/> NC
<input type="checkbox"/> OH	<input type="checkbox"/> SC <input checked="" type="checkbox"/> WI OTHER _____

Filtered (Y/N)	N	N	N	N	N	Y	N	N	
Requested Analytes:	VOCs 8260	TOC	Alkalinity, Cl, SO4	Methane, Ethane, Ethene	Total Metals	Diss. Metals	Sulfide	COD	Residual Chlorine (Y/N)

**Section D** Required Client Information

**SAMPLE ID**  
One Character per box.  
(A-Z, 0-9 / . -)

Samples IDs MUST BE UNIQUE

MATRIX CODE	CODE
DRINKING WATER	DW
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	MATRIX CODE	SAMPLE TYPE	G-COMP	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives									Requested Analytes	Pace Project Number Lab I.D.			
				COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub>	Methanol	Other						
				DATE	TIME	DATE	TIME																
1	PZ-61	WT	G	/	/	07/25	1600		12	1	2	2	6	1								012	
2	MW-2112	WT	I	/	/	/	1500		12	1	2	2	6	1									013
3	PZ-2112	WT	I	/	/	/	1550		12	1	2	2	6	1									014
4	MW-2102	WT	I	/	/	/	1455		12	1	2	2	6	1									015
5	MW-2104	WT	V	/	/	V	1600		3				3										016
6	Trip Blank 1	WT	G	/	/	7/25	0600		2				2										017
7		WT																					
8		WT																					
9		WT																					
10		WT																					
11		WT																					
12		WT																					

**Additional Comments:**

Total Metals: Fe, Mn

Dissolved Metals: Fe, Mn, Ba, Cr, Pb, Ni

- Include Diss Ca, Mg, Na, K forfor PZ-2101, PZ-2103, and PZ-2110

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
<i>Ken JA AECOM</i>	07/25	1700				Y/N	Y/N	Y/N
<i>CS log BTCS</i>	7/26/22	0045	<i>Tammy Lee</i>	7/26/22	0045	Y/N	Y/N	Y/N
						Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice	Custody Sealed Cooler	Samples intact
PRINT Name of SAMPLER:	<i>Keith Nielson</i>				
SIGNATURE OF SAMPLER:	<i>JA JA KEN AECOM</i>	DATE Signed (MM/DD/YY)	<i>07/25/22 @</i>		



**Sample Preservation Receipt Form**

Client Name: AECOM

Project # 40248740

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

Initial when completed: TP Date/Time:

Lab Lot# of pH paper: 1003111 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
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

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

**Sample Condition Upon Receipt Form (SCUR)**

Client Name: AECOM

Project #: \_\_\_\_\_

**WO#: 40248749**

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Waltco  
 Client  Pace Other: \_\_\_\_\_



Tracking #: \_\_\_\_\_

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

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

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used SR - 118 Type of Ice:  Blue Dry None  Other

Cooler Temperature Uncorr: 5.51 / Corr: 1.115

Temp Blank Present:  yes  no

Biological Tissue is Frozen:  yes  no

Samples on ice, cooling process has begun

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: 7/26/22 Initials: JP  
 Labeled By Initials: AK

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>4860</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  
 Page 2 of 2

August 03, 2022

Lanette Altenbach  
AECOM, Inc.  
1555 N River Center Drive  
Suite 214  
Milwaukee, WI 53212

RE: Project: 60682984.1F KEP  
Pace Project No.: 40248822

Dear Lanette Altenbach:

Enclosed are the analytical results for sample(s) received by the laboratory on July 27, 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,



Christopher Hyska  
christopher.hyska@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: Keith Nielsen, AECOM



## REPORT OF LABORATORY ANALYSIS

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

## CERTIFICATIONS

Project: 60682984.1F KEP

Pace Project No.: 40248822

---

### **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

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

## SAMPLE SUMMARY

Project: 60682984.1F KEP

Pace Project No.: 40248822

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40248822001	TB-02	Water	07/26/22 07:30	07/27/22 08:25
40248822002	MW-2203	Water	07/26/22 08:00	07/27/22 08:25
40248822003	PZ-2203	Water	07/26/22 08:40	07/27/22 08:25
40248822004	MW-2202	Water	07/26/22 09:40	07/27/22 08:25
40248822005	MW-65	Water	07/26/22 09:40	07/27/22 08:25
40248822006	MW-2302	Water	07/26/22 09:20	07/27/22 08:25
40248822007	PZ-2302	Water	07/26/22 10:00	07/27/22 08:25
40248822008	PZ-2202	Water	07/26/22 10:20	07/27/22 08:25
40248822009	MW-2105	Water	07/26/22 11:00	07/27/22 08:25
40248822010	PZ-2105	Water	07/26/22 10:50	07/27/22 08:25
40248822011	MW-2201	Water	07/26/22 12:30	07/27/22 08:25
40248822012	MW-2201D	Water	07/26/22 12:30	07/27/22 08:25
40248822013	MW-2303	Water	07/26/22 12:25	07/27/22 08:25
40248822014	PZ-2303	Water	07/26/22 13:35	07/27/22 08:25
40248822015	MW-2301	Water	07/26/22 15:20	07/27/22 08:25
40248822016	MW-2301D	Water	07/26/22 15:00	07/27/22 08:25
40248822017	MW-114	Water	07/26/22 14:30	07/27/22 08:25
40248822018	PZ-118	Water	07/26/22 15:00	07/27/22 08:25
40248822019	MW-113	Water	07/26/22 15:30	07/27/22 08:25
40248822020	MW-79	Water	07/26/22 10:45	07/27/22 08:25
40248822021	PZ-82	Water	07/26/22 13:35	07/27/22 08:25
40248822022	MW-44	Water	07/26/22 14:35	07/27/22 08:25
40248822023	MW-81	Water	07/26/22 12:25	07/27/22 08:25
40248822024	MW-80	Water	07/26/22 13:30	07/27/22 08:25
40248822025	MW-108	Water	07/26/22 14:35	07/27/22 08:25
40248822026	MW-31	Water	07/26/22 14:35	07/27/22 08:25

## REPORT OF LABORATORY ANALYSIS

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

### SAMPLE ANALYTE COUNT

Project: 60682984.1F KEP  
Pace Project No.: 40248822

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40248822001	TB-02	EPA 8260	LAP	63	PASI-G
40248822002	MW-2203	EPA 8260	LAP	63	PASI-G
40248822003	PZ-2203	EPA 8260	LAP	63	PASI-G
40248822004	MW-2202	EPA 8260	LAP	63	PASI-G
40248822005	MW-65	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	LAP	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40248822006	MW-2302	EPA 8260	LAP	63	PASI-G
40248822007	PZ-2302	EPA 8260	LAP	63	PASI-G
40248822008	PZ-2202	EPA 8260	LAP	63	PASI-G
40248822009	MW-2105	EPA 8260	LAP	63	PASI-G
40248822010	PZ-2105	EPA 8260	LAP	63	PASI-G
40248822011	MW-2201	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	LAP	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40248822012	MW-2201D	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	LAP	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40248822013	MW-2303	EPA 8015B Modified	ALD	3	PASI-G

### REPORT OF LABORATORY ANALYSIS

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

### SAMPLE ANALYTE COUNT

Project: 60682984.1F KEP  
Pace Project No.: 40248822

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	LAP	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
<b>40248822014</b>	<b>PZ-2303</b>	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	LAP	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
<b>40248822015</b>	<b>MW-2301</b>	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	LAP	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
<b>40248822016</b>	<b>MW-2301D</b>	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	LAP	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
<b>40248822017</b>	<b>MW-114</b>	EPA 8260	LAP	63	PASI-G
<b>40248822018</b>	<b>PZ-118</b>	EPA 8260	LAP	63	PASI-G

### REPORT OF LABORATORY ANALYSIS

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

### SAMPLE ANALYTE COUNT

Project: 60682984.1F KEP  
Pace Project No.: 40248822

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40248822019	MW-113	EPA 8260	LAP	63	PASI-G
40248822020	MW-79	EPA 8260	LAP	63	PASI-G
40248822021	PZ-82	EPA 8260	LAP	63	PASI-G
40248822022	MW-44	EPA 8260	LAP	63	PASI-G
40248822023	MW-81	EPA 8260	LAP	63	PASI-G
40248822024	MW-80	EPA 8260	LAP	63	PASI-G
40248822025	MW-108	EPA 8260	LAP	63	PASI-G
40248822026	MW-31	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	LAP	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

### REPORT OF LABORATORY ANALYSIS

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



### SUMMARY OF DETECTION

Project: 60682984.1F KEP

Pace Project No.: 40248822

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40248822004</b>	<b>MW-2202</b>					
EPA 8260	Trichloroethene	1.1	ug/L	1.0	07/28/22 14:41	
<b>40248822005</b>	<b>MW-65</b>					
EPA 8015B Modified	Ethane	0.62J	ug/L	5.6	07/29/22 13:05	
EPA 8015B Modified	Ethene	2.7J	ug/L	5.0	07/29/22 13:05	
EPA 8015B Modified	Methane	89.7	ug/L	2.8	07/29/22 13:05	
EPA 6020B	Iron	17.4	mg/L	0.25	07/30/22 06:36	
EPA 6020B	Manganese	0.35	mg/L	0.0040	07/30/22 06:36	
EPA 6020B	Barium, Dissolved	0.70	mg/L	0.0023	07/28/22 18:30	
EPA 6020B	Iron, Dissolved	16.1	mg/L	0.25	07/28/22 18:30	
EPA 6020B	Manganese, Dissolved	0.35	mg/L	0.0040	07/30/22 04:24	
EPA 6020B	Nickel, Dissolved	0.00060J	mg/L	0.0010	07/28/22 18:30	
EPA 8260	cis-1,2-Dichloroethene	296	ug/L	2.5	07/29/22 10:07	
EPA 8260	trans-1,2-Dichloroethene	4.3	ug/L	2.5	07/29/22 10:07	
EPA 8260	Vinyl chloride	10.5	ug/L	2.5	07/29/22 10:07	
EPA 300.0	Chloride	855	mg/L	200	08/01/22 13:19	MO
EPA 300.0	Sulfate	120	mg/L	40.0	07/29/22 20:29	MO
EPA 310.2	Alkalinity, Total as CaCO3	540	mg/L	50.0	07/28/22 10:22	
EPA 410.4	Chemical Oxygen Demand	28.1J	mg/L	50.0	08/02/22 10:21	
SM 5310C	Total Organic Carbon	2.0	mg/L	0.50	08/02/22 19:51	
<b>40248822006</b>	<b>MW-2302</b>					
EPA 8260	Benzene	0.51J	ug/L	1.0	07/28/22 14:58	
EPA 8260	Chloroethane	17.3	ug/L	5.0	07/28/22 14:58	
EPA 8260	1,1-Dichloroethane	83.2	ug/L	1.0	07/28/22 14:58	
EPA 8260	cis-1,2-Dichloroethene	26.9	ug/L	1.0	07/28/22 14:58	
EPA 8260	trans-1,2-Dichloroethene	0.67J	ug/L	1.0	07/28/22 14:58	
EPA 8260	Methylene Chloride	93.5	ug/L	5.0	07/28/22 14:58	
EPA 8260	1,1,1-Trichloroethane	1.7	ug/L	1.0	07/28/22 14:58	
EPA 8260	Trichloroethene	4.0	ug/L	1.0	07/28/22 14:58	
EPA 8260	Vinyl chloride	22.8	ug/L	1.0	07/28/22 14:58	
<b>40248822007</b>	<b>PZ-2302</b>					
EPA 8260	1,1-Dichloroethane	0.43J	ug/L	1.0	07/28/22 15:16	
<b>40248822009</b>	<b>MW-2105</b>					
EPA 8260	Benzene	0.33J	ug/L	1.0	07/28/22 15:51	
EPA 8260	cis-1,2-Dichloroethene	44.8	ug/L	1.0	07/28/22 15:51	
EPA 8260	Trichloroethene	9.5	ug/L	1.0	07/28/22 15:51	
EPA 8260	1,2,4-Trimethylbenzene	1.6	ug/L	1.0	07/28/22 15:51	
EPA 8260	Vinyl chloride	2.4	ug/L	1.0	07/28/22 15:51	
<b>40248822010</b>	<b>PZ-2105</b>					
EPA 8260	cis-1,2-Dichloroethene	0.98J	ug/L	1.0	07/28/22 16:08	
EPA 8260	Trichloroethene	0.72J	ug/L	1.0	07/28/22 16:08	
<b>40248822011</b>	<b>MW-2201</b>					
EPA 8015B Modified	Ethane	15.5	ug/L	5.6	07/29/22 13:12	
EPA 8015B Modified	Ethene	354	ug/L	5.0	07/29/22 13:12	
EPA 8015B Modified	Methane	1040	ug/L	28.0	07/29/22 15:45	

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: 60682984.1F KEP  
Pace Project No.: 40248822

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40248822011</b>	<b>MW-2201</b>					
EPA 6020B	Iron	6.2	mg/L	0.25	07/30/22 07:20	
EPA 6020B	Manganese	0.032	mg/L	0.0040	07/30/22 07:20	
EPA 6020B	Barium, Dissolved	0.066	mg/L	0.0023	07/28/22 19:14	
EPA 6020B	Iron, Dissolved	6.2	mg/L	0.25	07/28/22 19:14	
EPA 6020B	Manganese, Dissolved	0.031	mg/L	0.0040	07/30/22 04:53	
EPA 8260	1,1-Dichloroethane	2.0	ug/L	1.0	07/28/22 16:25	
EPA 8260	cis-1,2-Dichloroethene	357	ug/L	5.0	07/29/22 10:24	
EPA 8260	Vinyl chloride	316	ug/L	5.0	07/29/22 10:24	
EPA 300.0	Chloride	86.8	mg/L	20.0	07/29/22 21:14	
EPA 300.0	Sulfate	28.1	mg/L	20.0	07/29/22 21:14	
EPA 310.2	Alkalinity, Total as CaCO3	589	mg/L	50.0	07/28/22 10:23	
EPA 410.4	Chemical Oxygen Demand	274	mg/L	50.0	08/02/22 10:21	
SM 5310C	Total Organic Carbon	91.0	mg/L	3.0	08/02/22 20:08	
<b>40248822012</b>	<b>MW-2201D</b>					
EPA 8015B Modified	Ethane	17.3	ug/L	5.6	07/29/22 13:19	
EPA 8015B Modified	Ethene	432	ug/L	5.0	07/29/22 13:19	
EPA 8015B Modified	Methane	1290	ug/L	28.0	07/29/22 15:52	
EPA 6020B	Iron	6.2	mg/L	0.25	07/30/22 07:35	
EPA 6020B	Manganese	0.030	mg/L	0.0040	07/30/22 07:35	
EPA 6020B	Barium, Dissolved	0.063	mg/L	0.0023	07/28/22 19:29	
EPA 6020B	Iron, Dissolved	5.9	mg/L	0.25	07/28/22 19:29	
EPA 6020B	Manganese, Dissolved	0.029	mg/L	0.0040	07/30/22 05:08	
EPA 8260	1,1-Dichloroethane	1.9J	ug/L	2.0	07/28/22 17:53	
EPA 8260	cis-1,2-Dichloroethene	337	ug/L	2.0	07/28/22 17:53	
EPA 8260	trans-1,2-Dichloroethene	1.6J	ug/L	2.0	07/28/22 17:53	
EPA 8260	Vinyl chloride	279	ug/L	2.0	07/28/22 17:53	
EPA 300.0	Chloride	86.5	mg/L	20.0	07/29/22 22:13	
EPA 300.0	Sulfate	28.2	mg/L	20.0	07/29/22 22:13	
EPA 310.2	Alkalinity, Total as CaCO3	583	mg/L	50.0	07/28/22 10:27	
EPA 410.4	Chemical Oxygen Demand	287	mg/L	50.0	08/02/22 10:21	
SM 5310C	Total Organic Carbon	95.7	mg/L	15.0	08/03/22 03:02	
<b>40248822013</b>	<b>MW-2303</b>					
EPA 8015B Modified	Ethane	16.0	ug/L	5.6	07/29/22 13:26	
EPA 8015B Modified	Ethene	95.1	ug/L	5.0	07/29/22 13:26	
EPA 8015B Modified	Methane	3960	ug/L	112	07/29/22 16:28	
EPA 6020B	Iron	1.7	mg/L	0.25	07/30/22 07:43	
EPA 6020B	Manganese	0.13	mg/L	0.0040	07/30/22 07:43	
EPA 6020B	Barium, Dissolved	0.13	mg/L	0.0023	07/28/22 19:36	
EPA 6020B	Iron, Dissolved	1.5	mg/L	0.25	07/28/22 19:36	
EPA 6020B	Manganese, Dissolved	0.14	mg/L	0.0040	07/30/22 05:15	D9
EPA 6020B	Nickel, Dissolved	0.00028J	mg/L	0.0010	07/28/22 19:36	
EPA 8260	1,1-Dichloroethane	1.2	ug/L	1.0	07/28/22 17:35	
EPA 8260	cis-1,2-Dichloroethene	10.4	ug/L	1.0	07/28/22 17:35	
EPA 8260	Trichloroethene	0.44J	ug/L	1.0	07/28/22 17:35	
EPA 8260	Vinyl chloride	63.7	ug/L	1.0	07/28/22 17:35	
EPA 300.0	Chloride	162	mg/L	10.0	07/29/22 22:28	

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: 60682984.1F KEP

Pace Project No.: 40248822

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40248822013</b>	<b>MW-2303</b>					
EPA 300.0	Sulfate	33.3	mg/L	10.0	07/29/22 22:28	
EPA 310.2	Alkalinity, Total as CaCO3	439	mg/L	50.0	07/28/22 10:28	
EPA 410.4	Chemical Oxygen Demand	32.5J	mg/L	50.0	08/02/22 10:22	
SM 5310C	Total Organic Carbon	3.6	mg/L	0.50	08/02/22 21:11	
<b>40248822014</b>	<b>PZ-2303</b>					
EPA 8015B Modified	Ethane	19.7	ug/L	5.6	07/29/22 13:33	
EPA 8015B Modified	Methane	13500	ug/L	280	07/29/22 16:35	
EPA 6020B	Iron	11.8	mg/L	0.25	07/30/22 07:50	
EPA 6020B	Manganese	0.29	mg/L	0.0040	07/30/22 07:50	
EPA 6020B	Barium, Dissolved	0.31	mg/L	0.0023	07/28/22 19:43	
EPA 6020B	Iron, Dissolved	9.0	mg/L	0.25	07/28/22 19:43	
EPA 6020B	Manganese, Dissolved	0.26	mg/L	0.0040	07/30/22 05:37	
EPA 8260	Vinyl chloride	1.1	ug/L	1.0	07/29/22 08:57	
SM 4500-S F (2000)	Sulfide	1.2J	mg/L	4.0	07/29/22 14:18	
EPA 300.0	Chloride	137	mg/L	20.0	07/29/22 22:43	
EPA 300.0	Sulfate	73.3	mg/L	20.0	07/29/22 22:43	
EPA 310.2	Alkalinity, Total as CaCO3	941	mg/L	125	07/28/22 10:30	
EPA 410.4	Chemical Oxygen Demand	305	mg/L	50.0	08/02/22 10:22	
SM 5310C	Total Organic Carbon	100	mg/L	5.0	08/02/22 22:22	
<b>40248822015</b>	<b>MW-2301</b>					
EPA 8015B Modified	Ethane	62.5	ug/L	5.6	07/29/22 13:40	
EPA 8015B Modified	Ethene	72.9	ug/L	5.0	07/29/22 13:40	
EPA 8015B Modified	Methane	6220	ug/L	280	07/29/22 16:42	
EPA 6020B	Iron	18.5	mg/L	0.25	07/30/22 07:57	
EPA 6020B	Manganese	0.071	mg/L	0.0040	07/30/22 07:57	
EPA 6020B	Barium, Dissolved	0.070	mg/L	0.0023	07/28/22 19:51	
EPA 6020B	Iron, Dissolved	0.71	mg/L	0.25	07/30/22 05:45	
EPA 6020B	Manganese, Dissolved	0.14	mg/L	0.0040	07/30/22 05:45	CR
SM 4500-S F (2000)	Sulfide	1.6J	mg/L	4.0	07/29/22 14:20	
EPA 300.0	Chloride	14.0	mg/L	10.0	07/29/22 22:58	B
EPA 300.0	Sulfate	10.5	mg/L	10.0	07/29/22 22:58	
EPA 310.2	Alkalinity, Total as CaCO3	178	mg/L	125	07/28/22 10:31	
EPA 410.4	Chemical Oxygen Demand	105	mg/L	100	08/02/22 10:22	
SM 5310C	Total Organic Carbon	13.3	mg/L	0.50	08/02/22 22:38	
<b>40248822016</b>	<b>MW-2301D</b>					
EPA 8015B Modified	Ethane	58.4	ug/L	5.6	07/29/22 13:47	
EPA 8015B Modified	Ethene	67.9	ug/L	5.0	07/29/22 13:47	
EPA 8015B Modified	Methane	5590	ug/L	280	07/29/22 16:48	
EPA 6020B	Iron	9.2	mg/L	0.25	07/30/22 08:05	
EPA 6020B	Manganese	0.033	mg/L	0.0040	07/30/22 08:05	
EPA 6020B	Barium, Dissolved	0.058	mg/L	0.0023	07/28/22 19:58	
EPA 6020B	Iron, Dissolved	0.18J	mg/L	0.25	07/30/22 05:52	
EPA 6020B	Manganese, Dissolved	0.073	mg/L	0.0040	07/30/22 05:52	CR
EPA 8260	cis-1,2-Dichloroethene	0.79J	ug/L	1.0	08/02/22 10:25	
EPA 8260	Vinyl chloride	2.1	ug/L	1.0	08/02/22 10:25	
EPA 300.0	Chloride	13.9	mg/L	10.0	07/29/22 23:12	B

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: 60682984.1F KEP  
Pace Project No.: 40248822

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40248822016</b>	<b>MW-2301D</b>					
EPA 300.0	Sulfate	10.9	mg/L	10.0	07/29/22 23:12	
EPA 310.2	Alkalinity, Total as CaCO <sub>3</sub>	188	mg/L	25.0	07/28/22 10:36	
EPA 410.4	Chemical Oxygen Demand	89.6	mg/L	50.0	08/02/22 10:22	
SM 5310C	Total Organic Carbon	13.8	mg/L	0.50	08/02/22 22:55	
<b>40248822017</b>	<b>MW-114</b>					
EPA 8260	Vinyl chloride	47.6	ug/L	1.0	07/29/22 09:32	
<b>40248822018</b>	<b>PZ-118</b>					
EPA 8260	cis-1,2-Dichloroethene	2.9	ug/L	1.0	07/28/22 13:48	
EPA 8260	Vinyl chloride	2.4	ug/L	1.0	07/28/22 13:48	
<b>40248822023</b>	<b>MW-81</b>					
EPA 8260	cis-1,2-Dichloroethene	0.61J	ug/L	1.0	07/28/22 14:15	
<b>40248822026</b>	<b>MW-31</b>					
EPA 8015B Modified	Ethane	58.2	ug/L	5.6	07/29/22 13:54	
EPA 8015B Modified	Ethene	66.5	ug/L	5.0	07/29/22 13:54	
EPA 8015B Modified	Methane	4760	ug/L	280	07/29/22 16:55	
EPA 6020B	Iron	18.7	mg/L	0.25	07/30/22 08:12	
EPA 6020B	Manganese	0.13	mg/L	0.0040	07/30/22 08:12	
EPA 6020B	Barium, Dissolved	0.45	mg/L	0.0023	07/28/22 20:05	
EPA 6020B	Iron, Dissolved	18.0	mg/L	0.25	07/28/22 20:05	
EPA 6020B	Manganese, Dissolved	0.12	mg/L	0.0040	07/30/22 05:59	
EPA 300.0	Chloride	154	mg/L	10.0	07/29/22 23:27	
EPA 310.2	Alkalinity, Total as CaCO <sub>3</sub>	705	mg/L	50.0	07/28/22 10:37	
EPA 410.4	Chemical Oxygen Demand	808	mg/L	50.0	08/02/22 10:22	
SM 5310C	Total Organic Carbon	288	mg/L	15.0	08/02/22 23:12	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: TB-02**      **Lab ID: 40248822001**      Collected: 07/26/22 07:30      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/28/22 12:56	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 12:56	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/22 12:56	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 12:56	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/28/22 12:56	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/28/22 12:56	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 12:56	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/28/22 12:56	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/28/22 12:56	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/28/22 12:56	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 12:56	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/28/22 12:56	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/28/22 12:56	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/28/22 12:56	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 12:56	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 12:56	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/28/22 12:56	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/28/22 12:56	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/28/22 12:56	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/28/22 12:56	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 12:56	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 12:56	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/28/22 12:56	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/28/22 12:56	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 12:56	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/28/22 12:56	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/28/22 12:56	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/28/22 12:56	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/28/22 12:56	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/28/22 12:56	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/28/22 12:56	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/28/22 12:56	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/28/22 12:56	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/28/22 12:56	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/28/22 12:56	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 12:56	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 12:56	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/28/22 12:56	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/28/22 12:56	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/28/22 12:56	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/28/22 12:56	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 12:56	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/28/22 12:56	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 12:56	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/28/22 12:56	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: TB-02**      **Lab ID: 40248822001**      Collected: 07/26/22 07:30      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/28/22 12:56	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/28/22 12:56	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/28/22 12:56	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/28/22 12:56	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/28/22 12:56	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/22 12:56	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 12:56	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/28/22 12:56	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/28/22 12:56	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 12:56	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/28/22 12:56	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/28/22 12:56	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 12:56	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/28/22 12:56	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/28/22 12:56	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		07/28/22 12:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		07/28/22 12:56	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		07/28/22 12:56	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: MW-2203**      **Lab ID: 40248822002**      Collected: 07/26/22 08:00      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/28/22 14:06	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:06	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/22 14:06	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 14:06	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/28/22 14:06	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/28/22 14:06	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 14:06	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/28/22 14:06	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/28/22 14:06	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/28/22 14:06	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 14:06	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/28/22 14:06	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/28/22 14:06	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/28/22 14:06	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 14:06	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 14:06	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/28/22 14:06	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/28/22 14:06	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/28/22 14:06	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/28/22 14:06	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 14:06	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 14:06	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/28/22 14:06	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/28/22 14:06	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 14:06	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/28/22 14:06	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/28/22 14:06	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/28/22 14:06	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/28/22 14:06	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/28/22 14:06	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/28/22 14:06	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/28/22 14:06	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/28/22 14:06	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:06	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/28/22 14:06	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 14:06	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 14:06	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/28/22 14:06	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/28/22 14:06	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/28/22 14:06	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/28/22 14:06	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 14:06	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/28/22 14:06	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 14:06	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:06	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: MW-2203**      **Lab ID: 40248822002**      Collected: 07/26/22 08:00      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/28/22 14:06	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/28/22 14:06	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/28/22 14:06	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/28/22 14:06	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/28/22 14:06	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/22 14:06	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 14:06	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/28/22 14:06	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/28/22 14:06	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 14:06	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/28/22 14:06	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/28/22 14:06	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:06	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/28/22 14:06	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/28/22 14:06	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	108	%	70-130		1		07/28/22 14:06	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		07/28/22 14:06	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		07/28/22 14:06	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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



### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: PZ-2203**      **Lab ID: 40248822003**      Collected: 07/26/22 08:40      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/28/22 14:23	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:23	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/22 14:23	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 14:23	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/28/22 14:23	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/28/22 14:23	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 14:23	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/28/22 14:23	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/28/22 14:23	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/28/22 14:23	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 14:23	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/28/22 14:23	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/28/22 14:23	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/28/22 14:23	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 14:23	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 14:23	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/28/22 14:23	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/28/22 14:23	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/28/22 14:23	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/28/22 14:23	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 14:23	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 14:23	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/28/22 14:23	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/28/22 14:23	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 14:23	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/28/22 14:23	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/28/22 14:23	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/28/22 14:23	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/28/22 14:23	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/28/22 14:23	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/28/22 14:23	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/28/22 14:23	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/28/22 14:23	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:23	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/28/22 14:23	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 14:23	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 14:23	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/28/22 14:23	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/28/22 14:23	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/28/22 14:23	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/28/22 14:23	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 14:23	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/28/22 14:23	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 14:23	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:23	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: PZ-2203**      **Lab ID: 40248822003**      Collected: 07/26/22 08:40      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/28/22 14:23	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/28/22 14:23	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/28/22 14:23	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/28/22 14:23	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/28/22 14:23	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/22 14:23	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 14:23	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/28/22 14:23	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/28/22 14:23	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 14:23	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/28/22 14:23	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/28/22 14:23	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:23	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/28/22 14:23	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/28/22 14:23	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	110	%	70-130		1		07/28/22 14:23	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		07/28/22 14:23	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		07/28/22 14:23	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: MW-2202**      **Lab ID: 40248822004**      Collected: 07/26/22 09:40      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/28/22 14:41	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:41	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/22 14:41	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 14:41	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/28/22 14:41	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/28/22 14:41	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 14:41	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/28/22 14:41	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/28/22 14:41	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/28/22 14:41	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 14:41	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/28/22 14:41	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/28/22 14:41	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/28/22 14:41	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 14:41	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 14:41	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/28/22 14:41	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/28/22 14:41	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/28/22 14:41	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/28/22 14:41	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 14:41	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 14:41	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/28/22 14:41	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/28/22 14:41	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 14:41	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/28/22 14:41	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/28/22 14:41	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/28/22 14:41	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/28/22 14:41	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/28/22 14:41	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/28/22 14:41	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/28/22 14:41	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/28/22 14:41	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:41	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/28/22 14:41	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 14:41	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 14:41	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/28/22 14:41	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/28/22 14:41	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/28/22 14:41	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/28/22 14:41	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 14:41	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/28/22 14:41	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 14:41	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:41	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: MW-2202**      **Lab ID: 40248822004**      Collected: 07/26/22 09:40      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/28/22 14:41	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/28/22 14:41	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/28/22 14:41	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/28/22 14:41	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/28/22 14:41	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/22 14:41	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 14:41	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/28/22 14:41	79-00-5	
Trichloroethene	1.1	ug/L	1.0	0.32	1		07/28/22 14:41	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 14:41	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/28/22 14:41	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/28/22 14:41	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:41	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/28/22 14:41	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/28/22 14:41	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	108	%	70-130		1		07/28/22 14:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		07/28/22 14:41	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		07/28/22 14:41	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: MW-65**      **Lab ID: 40248822005**      Collected: 07/26/22 09:40      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	<b>0.62J</b>	ug/L	5.6	0.39	1		07/29/22 13:05	74-84-0	
Ethene	<b>2.7J</b>	ug/L	5.0	0.25	1		07/29/22 13:05	74-85-1	
Methane	<b>89.7</b>	ug/L	2.8	0.58	1		07/29/22 13:05	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Iron	<b>17.4</b>	mg/L	0.25	0.058	1	07/28/22 05:30	07/30/22 06:36	7439-89-6	
Manganese	<b>0.35</b>	mg/L	0.0040	0.0012	1	07/28/22 05:30	07/30/22 06:36	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Barium, Dissolved	<b>0.70</b>	mg/L	0.0023	0.00070	1	07/28/22 05:23	07/28/22 18:30	7440-39-3	
Chromium, Dissolved	<b>&lt;0.0010</b>	mg/L	0.0034	0.0010	1	07/28/22 05:23	07/28/22 18:30	7440-47-3	
Iron, Dissolved	<b>16.1</b>	mg/L	0.25	0.058	1	07/28/22 05:23	07/28/22 18:30	7439-89-6	
Lead, Dissolved	<b>&lt;0.00024</b>	mg/L	0.0010	0.00024	1	07/28/22 05:23	07/28/22 18:30	7439-92-1	
Manganese, Dissolved	<b>0.35</b>	mg/L	0.0040	0.0012	1	07/28/22 05:23	07/30/22 04:24	7439-96-5	
Nickel, Dissolved	<b>0.00060J</b>	mg/L	0.0010	0.00028	1	07/28/22 05:23	07/28/22 18:30	7440-02-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<b>&lt;0.74</b>	ug/L	2.5	0.74	2.5		07/29/22 10:07	71-43-2	
Bromobenzene	<b>&lt;0.90</b>	ug/L	2.5	0.90	2.5		07/29/22 10:07	108-86-1	
Bromochloromethane	<b>&lt;0.89</b>	ug/L	12.5	0.89	2.5		07/29/22 10:07	74-97-5	
Bromodichloromethane	<b>&lt;1.0</b>	ug/L	2.5	1.0	2.5		07/29/22 10:07	75-27-4	
Bromoform	<b>&lt;9.5</b>	ug/L	12.5	9.5	2.5		07/29/22 10:07	75-25-2	
Bromomethane	<b>&lt;3.0</b>	ug/L	12.5	3.0	2.5		07/29/22 10:07	74-83-9	
n-Butylbenzene	<b>&lt;2.1</b>	ug/L	2.5	2.1	2.5		07/29/22 10:07	104-51-8	
sec-Butylbenzene	<b>&lt;1.1</b>	ug/L	2.5	1.1	2.5		07/29/22 10:07	135-98-8	
tert-Butylbenzene	<b>&lt;1.5</b>	ug/L	2.5	1.5	2.5		07/29/22 10:07	98-06-6	
Carbon tetrachloride	<b>&lt;0.92</b>	ug/L	2.5	0.92	2.5		07/29/22 10:07	56-23-5	
Chlorobenzene	<b>&lt;2.1</b>	ug/L	2.5	2.1	2.5		07/29/22 10:07	108-90-7	
Chloroethane	<b>&lt;3.4</b>	ug/L	12.5	3.4	2.5		07/29/22 10:07	75-00-3	
Chloroform	<b>&lt;3.0</b>	ug/L	12.5	3.0	2.5		07/29/22 10:07	67-66-3	
Chloromethane	<b>&lt;4.1</b>	ug/L	12.5	4.1	2.5		07/29/22 10:07	74-87-3	
2-Chlorotoluene	<b>&lt;2.2</b>	ug/L	12.5	2.2	2.5		07/29/22 10:07	95-49-8	
4-Chlorotoluene	<b>&lt;2.2</b>	ug/L	12.5	2.2	2.5		07/29/22 10:07	106-43-4	
1,2-Dibromo-3-chloropropane	<b>&lt;5.9</b>	ug/L	12.5	5.9	2.5		07/29/22 10:07	96-12-8	
Dibromochloromethane	<b>&lt;6.6</b>	ug/L	12.5	6.6	2.5		07/29/22 10:07	124-48-1	
1,2-Dibromoethane (EDB)	<b>&lt;0.77</b>	ug/L	2.5	0.77	2.5		07/29/22 10:07	106-93-4	
Dibromomethane	<b>&lt;2.5</b>	ug/L	12.5	2.5	2.5		07/29/22 10:07	74-95-3	
1,2-Dichlorobenzene	<b>&lt;0.81</b>	ug/L	2.5	0.81	2.5		07/29/22 10:07	95-50-1	
1,3-Dichlorobenzene	<b>&lt;0.88</b>	ug/L	2.5	0.88	2.5		07/29/22 10:07	541-73-1	
1,4-Dichlorobenzene	<b>&lt;2.2</b>	ug/L	2.5	2.2	2.5		07/29/22 10:07	106-46-7	
Dichlorodifluoromethane	<b>&lt;1.1</b>	ug/L	12.5	1.1	2.5		07/29/22 10:07	75-71-8	
1,1-Dichloroethane	<b>&lt;0.74</b>	ug/L	2.5	0.74	2.5		07/29/22 10:07	75-34-3	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: MW-65**      **Lab ID: 40248822005**      Collected: 07/26/22 09:40      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	<0.73	ug/L	2.5	0.73	2.5		07/29/22 10:07	107-06-2	
1,1-Dichloroethene	<1.5	ug/L	2.5	1.5	2.5		07/29/22 10:07	75-35-4	
cis-1,2-Dichloroethene	296	ug/L	2.5	1.2	2.5		07/29/22 10:07	156-59-2	
trans-1,2-Dichloroethene	4.3	ug/L	2.5	1.3	2.5		07/29/22 10:07	156-60-5	
1,2-Dichloropropane	<1.1	ug/L	2.5	1.1	2.5		07/29/22 10:07	78-87-5	
1,3-Dichloropropane	<0.76	ug/L	2.5	0.76	2.5		07/29/22 10:07	142-28-9	
2,2-Dichloropropane	<10.4	ug/L	12.5	10.4	2.5		07/29/22 10:07	594-20-7	
1,1-Dichloropropene	<1.0	ug/L	2.5	1.0	2.5		07/29/22 10:07	563-58-6	
cis-1,3-Dichloropropene	<0.90	ug/L	2.5	0.90	2.5		07/29/22 10:07	10061-01-5	
trans-1,3-Dichloropropene	<8.7	ug/L	12.5	8.7	2.5		07/29/22 10:07	10061-02-6	
Diisopropyl ether	<2.8	ug/L	12.5	2.8	2.5		07/29/22 10:07	108-20-3	
Ethylbenzene	<0.81	ug/L	2.5	0.81	2.5		07/29/22 10:07	100-41-4	
Hexachloro-1,3-butadiene	<6.8	ug/L	12.5	6.8	2.5		07/29/22 10:07	87-68-3	
Isopropylbenzene (Cumene)	<2.5	ug/L	12.5	2.5	2.5		07/29/22 10:07	98-82-8	
p-Isopropyltoluene	<2.6	ug/L	12.5	2.6	2.5		07/29/22 10:07	99-87-6	
Methylene Chloride	<0.80	ug/L	12.5	0.80	2.5		07/29/22 10:07	75-09-2	
Methyl-tert-butyl ether	<2.8	ug/L	12.5	2.8	2.5		07/29/22 10:07	1634-04-4	
Naphthalene	<2.8	ug/L	12.5	2.8	2.5		07/29/22 10:07	91-20-3	
n-Propylbenzene	<0.86	ug/L	2.5	0.86	2.5		07/29/22 10:07	103-65-1	
Styrene	<0.89	ug/L	2.5	0.89	2.5		07/29/22 10:07	100-42-5	
1,1,1,2-Tetrachloroethane	<0.89	ug/L	2.5	0.89	2.5		07/29/22 10:07	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.94	ug/L	2.5	0.94	2.5		07/29/22 10:07	79-34-5	
Tetrachloroethene	<1.0	ug/L	2.5	1.0	2.5		07/29/22 10:07	127-18-4	
Toluene	<0.72	ug/L	2.5	0.72	2.5		07/29/22 10:07	108-88-3	
1,2,3-Trichlorobenzene	<2.5	ug/L	12.5	2.5	2.5		07/29/22 10:07	87-61-6	
1,2,4-Trichlorobenzene	<2.4	ug/L	12.5	2.4	2.5		07/29/22 10:07	120-82-1	
1,1,1-Trichloroethane	<0.76	ug/L	2.5	0.76	2.5		07/29/22 10:07	71-55-6	
1,1,2-Trichloroethane	<0.86	ug/L	12.5	0.86	2.5		07/29/22 10:07	79-00-5	
Trichloroethene	<0.80	ug/L	2.5	0.80	2.5		07/29/22 10:07	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	2.5	1.0	2.5		07/29/22 10:07	75-69-4	
1,2,3-Trichloropropane	<1.4	ug/L	12.5	1.4	2.5		07/29/22 10:07	96-18-4	
1,2,4-Trimethylbenzene	<1.1	ug/L	2.5	1.1	2.5		07/29/22 10:07	95-63-6	
1,3,5-Trimethylbenzene	<0.89	ug/L	2.5	0.89	2.5		07/29/22 10:07	108-67-8	
Vinyl chloride	10.5	ug/L	2.5	0.44	2.5		07/29/22 10:07	75-01-4	
Xylene (Total)	<2.6	ug/L	7.5	2.6	2.5		07/29/22 10:07	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	109	%	70-130		2.5		07/29/22 10:07	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		2.5		07/29/22 10:07	2199-69-1	
Toluene-d8 (S)	102	%	70-130		2.5		07/29/22 10:07	2037-26-5	
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		07/29/22 14:09		

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: MW-65**      **Lab ID: 40248822005**      Collected: 07/26/22 09:40      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>855</b>	mg/L	200	43.1	100		08/01/22 13:19	16887-00-6	M0
Sulfate	<b>120</b>	mg/L	40.0	8.9	20		07/29/22 20:29	14808-79-8	M0
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>540</b>	mg/L	50.0	14.9	2		07/28/22 10:22		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>28.1J</b>	mg/L	50.0	14.7	1	08/02/22 06:55	08/02/22 10:21		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>2.0</b>	mg/L	0.50	0.14	1		08/02/22 19:51	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: MW-2302**      **Lab ID: 40248822006**      Collected: 07/26/22 09:20      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	0.51J	ug/L	1.0	0.30	1		07/28/22 14:58	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:58	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/22 14:58	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 14:58	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/28/22 14:58	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/28/22 14:58	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 14:58	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/28/22 14:58	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/28/22 14:58	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/28/22 14:58	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 14:58	108-90-7	
Chloroethane	17.3	ug/L	5.0	1.4	1		07/28/22 14:58	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/28/22 14:58	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/28/22 14:58	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 14:58	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 14:58	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/28/22 14:58	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/28/22 14:58	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/28/22 14:58	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/28/22 14:58	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 14:58	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 14:58	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/28/22 14:58	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/28/22 14:58	75-71-8	
1,1-Dichloroethane	83.2	ug/L	1.0	0.30	1		07/28/22 14:58	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/28/22 14:58	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/28/22 14:58	75-35-4	
cis-1,2-Dichloroethene	26.9	ug/L	1.0	0.47	1		07/28/22 14:58	156-59-2	
trans-1,2-Dichloroethene	0.67J	ug/L	1.0	0.53	1		07/28/22 14:58	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/28/22 14:58	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/28/22 14:58	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/28/22 14:58	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/28/22 14:58	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:58	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/28/22 14:58	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 14:58	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 14:58	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/28/22 14:58	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/28/22 14:58	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/28/22 14:58	99-87-6	
Methylene Chloride	93.5	ug/L	5.0	0.32	1		07/28/22 14:58	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 14:58	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/28/22 14:58	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 14:58	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:58	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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



### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: MW-2302**      **Lab ID: 40248822006**      Collected: 07/26/22 09:20      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/28/22 14:58	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/28/22 14:58	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/28/22 14:58	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/28/22 14:58	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/28/22 14:58	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/22 14:58	120-82-1	
1,1,1-Trichloroethane	1.7	ug/L	1.0	0.30	1		07/28/22 14:58	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/28/22 14:58	79-00-5	
Trichloroethene	4.0	ug/L	1.0	0.32	1		07/28/22 14:58	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 14:58	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/28/22 14:58	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/28/22 14:58	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:58	108-67-8	
Vinyl chloride	22.8	ug/L	1.0	0.17	1		07/28/22 14:58	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/28/22 14:58	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	105	%	70-130		1		07/28/22 14:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		07/28/22 14:58	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		07/28/22 14:58	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: PZ-2302**      **Lab ID: 40248822007**      Collected: 07/26/22 10:00      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/28/22 15:16	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 15:16	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/22 15:16	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 15:16	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/28/22 15:16	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/28/22 15:16	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 15:16	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/28/22 15:16	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/28/22 15:16	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/28/22 15:16	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 15:16	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/28/22 15:16	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/28/22 15:16	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/28/22 15:16	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 15:16	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 15:16	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/28/22 15:16	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/28/22 15:16	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/28/22 15:16	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/28/22 15:16	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 15:16	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 15:16	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/28/22 15:16	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/28/22 15:16	75-71-8	
1,1-Dichloroethane	0.43J	ug/L	1.0	0.30	1		07/28/22 15:16	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/28/22 15:16	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/28/22 15:16	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/28/22 15:16	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/28/22 15:16	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/28/22 15:16	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/28/22 15:16	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/28/22 15:16	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/28/22 15:16	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/28/22 15:16	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/28/22 15:16	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 15:16	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 15:16	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/28/22 15:16	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/28/22 15:16	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/28/22 15:16	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/28/22 15:16	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 15:16	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/28/22 15:16	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 15:16	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/28/22 15:16	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: PZ-2302**      **Lab ID: 40248822007**      Collected: 07/26/22 10:00      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/28/22 15:16	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/28/22 15:16	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/28/22 15:16	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/28/22 15:16	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/28/22 15:16	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/22 15:16	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 15:16	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/28/22 15:16	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/28/22 15:16	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 15:16	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/28/22 15:16	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/28/22 15:16	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 15:16	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/28/22 15:16	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/28/22 15:16	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	109	%	70-130		1		07/28/22 15:16	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		07/28/22 15:16	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		07/28/22 15:16	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: PZ-2202**      **Lab ID: 40248822008**      Collected: 07/26/22 10:20      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/28/22 15:33	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 15:33	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/22 15:33	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 15:33	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/28/22 15:33	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/28/22 15:33	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 15:33	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/28/22 15:33	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/28/22 15:33	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/28/22 15:33	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 15:33	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/28/22 15:33	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/28/22 15:33	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/28/22 15:33	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 15:33	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 15:33	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/28/22 15:33	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/28/22 15:33	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/28/22 15:33	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/28/22 15:33	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 15:33	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 15:33	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/28/22 15:33	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/28/22 15:33	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 15:33	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/28/22 15:33	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/28/22 15:33	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/28/22 15:33	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/28/22 15:33	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/28/22 15:33	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/28/22 15:33	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/28/22 15:33	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/28/22 15:33	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/28/22 15:33	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/28/22 15:33	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 15:33	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 15:33	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/28/22 15:33	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/28/22 15:33	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/28/22 15:33	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/28/22 15:33	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 15:33	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/28/22 15:33	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 15:33	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/28/22 15:33	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: PZ-2202**      **Lab ID: 40248822008**      Collected: 07/26/22 10:20      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/28/22 15:33	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/28/22 15:33	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/28/22 15:33	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/28/22 15:33	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/28/22 15:33	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/22 15:33	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 15:33	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/28/22 15:33	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/28/22 15:33	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 15:33	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/28/22 15:33	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/28/22 15:33	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 15:33	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/28/22 15:33	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/28/22 15:33	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		07/28/22 15:33	460-00-4	
1,2-Dichlorobenzene-d4 (S)	92	%	70-130		1		07/28/22 15:33	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		07/28/22 15:33	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: MW-2105**      **Lab ID: 40248822009**      Collected: 07/26/22 11:00      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	0.33J	ug/L	1.0	0.30	1		07/28/22 15:51	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 15:51	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/22 15:51	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 15:51	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/28/22 15:51	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/28/22 15:51	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 15:51	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/28/22 15:51	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/28/22 15:51	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/28/22 15:51	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 15:51	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/28/22 15:51	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/28/22 15:51	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/28/22 15:51	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 15:51	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 15:51	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/28/22 15:51	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/28/22 15:51	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/28/22 15:51	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/28/22 15:51	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 15:51	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 15:51	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/28/22 15:51	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/28/22 15:51	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 15:51	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/28/22 15:51	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/28/22 15:51	75-35-4	
cis-1,2-Dichloroethene	44.8	ug/L	1.0	0.47	1		07/28/22 15:51	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/28/22 15:51	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/28/22 15:51	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/28/22 15:51	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/28/22 15:51	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/28/22 15:51	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/28/22 15:51	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/28/22 15:51	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 15:51	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 15:51	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/28/22 15:51	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/28/22 15:51	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/28/22 15:51	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/28/22 15:51	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 15:51	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/28/22 15:51	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 15:51	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/28/22 15:51	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: MW-2105**      **Lab ID: 40248822009**      Collected: 07/26/22 11:00      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/28/22 15:51	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/28/22 15:51	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/28/22 15:51	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/28/22 15:51	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/28/22 15:51	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/22 15:51	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 15:51	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/28/22 15:51	79-00-5	
Trichloroethene	9.5	ug/L	1.0	0.32	1		07/28/22 15:51	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 15:51	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/28/22 15:51	96-18-4	
1,2,4-Trimethylbenzene	1.6	ug/L	1.0	0.45	1		07/28/22 15:51	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 15:51	108-67-8	
Vinyl chloride	2.4	ug/L	1.0	0.17	1		07/28/22 15:51	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/28/22 15:51	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		07/28/22 15:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		07/28/22 15:51	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		07/28/22 15:51	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: PZ-2105**      **Lab ID: 40248822010**      Collected: 07/26/22 10:50      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/28/22 16:08	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 16:08	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/22 16:08	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 16:08	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/28/22 16:08	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/28/22 16:08	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 16:08	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/28/22 16:08	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/28/22 16:08	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/28/22 16:08	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 16:08	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/28/22 16:08	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/28/22 16:08	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/28/22 16:08	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 16:08	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 16:08	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/28/22 16:08	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/28/22 16:08	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/28/22 16:08	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/28/22 16:08	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 16:08	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 16:08	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/28/22 16:08	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/28/22 16:08	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 16:08	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/28/22 16:08	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/28/22 16:08	75-35-4	
cis-1,2-Dichloroethene	0.98J	ug/L	1.0	0.47	1		07/28/22 16:08	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/28/22 16:08	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/28/22 16:08	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/28/22 16:08	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/28/22 16:08	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/28/22 16:08	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/28/22 16:08	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/28/22 16:08	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 16:08	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 16:08	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/28/22 16:08	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/28/22 16:08	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/28/22 16:08	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/28/22 16:08	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 16:08	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/28/22 16:08	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 16:08	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/28/22 16:08	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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



### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: PZ-2105**      **Lab ID: 40248822010**      Collected: 07/26/22 10:50      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/28/22 16:08	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/28/22 16:08	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/28/22 16:08	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/28/22 16:08	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/28/22 16:08	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/22 16:08	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 16:08	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/28/22 16:08	79-00-5	
Trichloroethene	0.72J	ug/L	1.0	0.32	1		07/28/22 16:08	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 16:08	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/28/22 16:08	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/28/22 16:08	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 16:08	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/28/22 16:08	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/28/22 16:08	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		07/28/22 16:08	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		07/28/22 16:08	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		07/28/22 16:08	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: MW-2201**      **Lab ID: 40248822011**      Collected: 07/26/22 12:30      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	15.5	ug/L	5.6	0.39	1		07/29/22 13:12	74-84-0	
Ethene	354	ug/L	5.0	0.25	1		07/29/22 13:12	74-85-1	
Methane	1040	ug/L	28.0	5.8	10		07/29/22 15:45	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	6.2	mg/L	0.25	0.058	1	07/28/22 05:30	07/30/22 07:20	7439-89-6	
Manganese	0.032	mg/L	0.0040	0.0012	1	07/28/22 05:30	07/30/22 07:20	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Barium, Dissolved	0.066	mg/L	0.0023	0.00070	1	07/28/22 05:23	07/28/22 19:14	7440-39-3	
Chromium, Dissolved	<0.0010	mg/L	0.0034	0.0010	1	07/28/22 05:23	07/28/22 19:14	7440-47-3	
Iron, Dissolved	6.2	mg/L	0.25	0.058	1	07/28/22 05:23	07/28/22 19:14	7439-89-6	
Lead, Dissolved	<0.00024	mg/L	0.0010	0.00024	1	07/28/22 05:23	07/28/22 19:14	7439-92-1	
Manganese, Dissolved	0.031	mg/L	0.0040	0.0012	1	07/28/22 05:23	07/30/22 04:53	7439-96-5	
Nickel, Dissolved	<0.00028	mg/L	0.0010	0.00028	1	07/28/22 05:23	07/28/22 19:14	7440-02-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/28/22 16:25	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 16:25	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/22 16:25	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 16:25	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/28/22 16:25	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/28/22 16:25	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 16:25	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/28/22 16:25	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/28/22 16:25	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/28/22 16:25	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 16:25	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/28/22 16:25	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/28/22 16:25	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/28/22 16:25	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 16:25	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 16:25	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/28/22 16:25	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/28/22 16:25	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/28/22 16:25	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/28/22 16:25	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 16:25	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 16:25	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/28/22 16:25	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/28/22 16:25	75-71-8	
1,1-Dichloroethane	2.0	ug/L	1.0	0.30	1		07/28/22 16:25	75-34-3	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: MW-2201**      **Lab ID: 40248822011**      Collected: 07/26/22 12:30      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/28/22 16:25	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/28/22 16:25	75-35-4	
cis-1,2-Dichloroethene	357	ug/L	5.0	2.4	5		07/29/22 10:24	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/28/22 16:25	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/28/22 16:25	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/28/22 16:25	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/28/22 16:25	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/28/22 16:25	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/28/22 16:25	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/28/22 16:25	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 16:25	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 16:25	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/28/22 16:25	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/28/22 16:25	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/28/22 16:25	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/28/22 16:25	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 16:25	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/28/22 16:25	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 16:25	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/28/22 16:25	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/28/22 16:25	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/28/22 16:25	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/28/22 16:25	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/28/22 16:25	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/28/22 16:25	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/22 16:25	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 16:25	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/28/22 16:25	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/28/22 16:25	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 16:25	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/28/22 16:25	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/28/22 16:25	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 16:25	108-67-8	
Vinyl chloride	316	ug/L	5.0	0.87	5		07/29/22 10:24	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/28/22 16:25	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-130		1		07/28/22 16:25	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		07/28/22 16:25	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		07/28/22 16:25	2037-26-5	
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		07/29/22 14:11		

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: MW-2201**      **Lab ID: 40248822011**      Collected: 07/26/22 12:30      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>86.8</b>	mg/L	20.0	4.3	10		07/29/22 21:14	16887-00-6	
Sulfate	<b>28.1</b>	mg/L	20.0	4.4	10		07/29/22 21:14	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>589</b>	mg/L	50.0	14.9	2		07/28/22 10:23		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>274</b>	mg/L	50.0	14.7	1	08/02/22 06:55	08/02/22 10:21		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>91.0</b>	mg/L	3.0	0.83	6		08/02/22 20:08	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: MW-2201D**      **Lab ID: 40248822012**      Collected: 07/26/22 12:30      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	17.3	ug/L	5.6	0.39	1		07/29/22 13:19	74-84-0	
Ethene	432	ug/L	5.0	0.25	1		07/29/22 13:19	74-85-1	
Methane	1290	ug/L	28.0	5.8	10		07/29/22 15:52	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	6.2	mg/L	0.25	0.058	1	07/28/22 05:30	07/30/22 07:35	7439-89-6	
Manganese	0.030	mg/L	0.0040	0.0012	1	07/28/22 05:30	07/30/22 07:35	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Barium, Dissolved	0.063	mg/L	0.0023	0.00070	1	07/28/22 05:23	07/28/22 19:29	7440-39-3	
Chromium, Dissolved	<0.0010	mg/L	0.0034	0.0010	1	07/28/22 05:23	07/28/22 19:29	7440-47-3	
Iron, Dissolved	5.9	mg/L	0.25	0.058	1	07/28/22 05:23	07/28/22 19:29	7439-89-6	
Lead, Dissolved	<0.00024	mg/L	0.0010	0.00024	1	07/28/22 05:23	07/28/22 19:29	7439-92-1	
Manganese, Dissolved	0.029	mg/L	0.0040	0.0012	1	07/28/22 05:23	07/30/22 05:08	7439-96-5	
Nickel, Dissolved	<0.00028	mg/L	0.0010	0.00028	1	07/28/22 05:23	07/28/22 19:29	7440-02-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.59	ug/L	2.0	0.59	2		07/28/22 17:53	71-43-2	
Bromobenzene	<0.72	ug/L	2.0	0.72	2		07/28/22 17:53	108-86-1	
Bromochloromethane	<0.72	ug/L	10.0	0.72	2		07/28/22 17:53	74-97-5	
Bromodichloromethane	<0.83	ug/L	2.0	0.83	2		07/28/22 17:53	75-27-4	
Bromoform	<7.6	ug/L	10.0	7.6	2		07/28/22 17:53	75-25-2	
Bromomethane	<2.4	ug/L	10.0	2.4	2		07/28/22 17:53	74-83-9	
n-Butylbenzene	<1.7	ug/L	2.0	1.7	2		07/28/22 17:53	104-51-8	
sec-Butylbenzene	<0.85	ug/L	2.0	0.85	2		07/28/22 17:53	135-98-8	
tert-Butylbenzene	<1.2	ug/L	2.0	1.2	2		07/28/22 17:53	98-06-6	
Carbon tetrachloride	<0.74	ug/L	2.0	0.74	2		07/28/22 17:53	56-23-5	
Chlorobenzene	<1.7	ug/L	2.0	1.7	2		07/28/22 17:53	108-90-7	
Chloroethane	<2.8	ug/L	10.0	2.8	2		07/28/22 17:53	75-00-3	
Chloroform	<2.4	ug/L	10.0	2.4	2		07/28/22 17:53	67-66-3	
Chloromethane	<3.3	ug/L	10.0	3.3	2		07/28/22 17:53	74-87-3	
2-Chlorotoluene	<1.8	ug/L	10.0	1.8	2		07/28/22 17:53	95-49-8	
4-Chlorotoluene	<1.8	ug/L	10.0	1.8	2		07/28/22 17:53	106-43-4	
1,2-Dibromo-3-chloropropane	<4.7	ug/L	10.0	4.7	2		07/28/22 17:53	96-12-8	
Dibromochloromethane	<5.3	ug/L	10.0	5.3	2		07/28/22 17:53	124-48-1	
1,2-Dibromoethane (EDB)	<0.62	ug/L	2.0	0.62	2		07/28/22 17:53	106-93-4	
Dibromomethane	<2.0	ug/L	10.0	2.0	2		07/28/22 17:53	74-95-3	
1,2-Dichlorobenzene	<0.65	ug/L	2.0	0.65	2		07/28/22 17:53	95-50-1	
1,3-Dichlorobenzene	<0.70	ug/L	2.0	0.70	2		07/28/22 17:53	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	2.0	1.8	2		07/28/22 17:53	106-46-7	
Dichlorodifluoromethane	<0.91	ug/L	10.0	0.91	2		07/28/22 17:53	75-71-8	
1,1-Dichloroethane	1.9J	ug/L	2.0	0.59	2		07/28/22 17:53	75-34-3	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: MW-2201D**      **Lab ID: 40248822012**      Collected: 07/26/22 12:30      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	<0.58	ug/L	2.0	0.58	2		07/28/22 17:53	107-06-2	
1,1-Dichloroethene	<1.2	ug/L	2.0	1.2	2		07/28/22 17:53	75-35-4	
cis-1,2-Dichloroethene	337	ug/L	2.0	0.94	2		07/28/22 17:53	156-59-2	
trans-1,2-Dichloroethene	1.6J	ug/L	2.0	1.1	2		07/28/22 17:53	156-60-5	
1,2-Dichloropropane	<0.90	ug/L	2.0	0.90	2		07/28/22 17:53	78-87-5	
1,3-Dichloropropane	<0.61	ug/L	2.0	0.61	2		07/28/22 17:53	142-28-9	
2,2-Dichloropropane	<8.4	ug/L	10.0	8.4	2		07/28/22 17:53	594-20-7	
1,1-Dichloropropene	<0.82	ug/L	2.0	0.82	2		07/28/22 17:53	563-58-6	
cis-1,3-Dichloropropene	<0.72	ug/L	2.0	0.72	2		07/28/22 17:53	10061-01-5	
trans-1,3-Dichloropropene	<6.9	ug/L	10.0	6.9	2		07/28/22 17:53	10061-02-6	
Diisopropyl ether	<2.2	ug/L	10.0	2.2	2		07/28/22 17:53	108-20-3	
Ethylbenzene	<0.65	ug/L	2.0	0.65	2		07/28/22 17:53	100-41-4	
Hexachloro-1,3-butadiene	<5.5	ug/L	10.0	5.5	2		07/28/22 17:53	87-68-3	
Isopropylbenzene (Cumene)	<2.0	ug/L	10.0	2.0	2		07/28/22 17:53	98-82-8	
p-Isopropyltoluene	<2.1	ug/L	10.0	2.1	2		07/28/22 17:53	99-87-6	
Methylene Chloride	<0.64	ug/L	10.0	0.64	2		07/28/22 17:53	75-09-2	
Methyl-tert-butyl ether	<2.3	ug/L	10.0	2.3	2		07/28/22 17:53	1634-04-4	
Naphthalene	<2.3	ug/L	10.0	2.3	2		07/28/22 17:53	91-20-3	
n-Propylbenzene	<0.69	ug/L	2.0	0.69	2		07/28/22 17:53	103-65-1	
Styrene	<0.71	ug/L	2.0	0.71	2		07/28/22 17:53	100-42-5	
1,1,1,2-Tetrachloroethane	<0.71	ug/L	2.0	0.71	2		07/28/22 17:53	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.76	ug/L	2.0	0.76	2		07/28/22 17:53	79-34-5	
Tetrachloroethene	<0.82	ug/L	2.0	0.82	2		07/28/22 17:53	127-18-4	
Toluene	<0.58	ug/L	2.0	0.58	2		07/28/22 17:53	108-88-3	
1,2,3-Trichlorobenzene	<2.0	ug/L	10.0	2.0	2		07/28/22 17:53	87-61-6	
1,2,4-Trichlorobenzene	<1.9	ug/L	10.0	1.9	2		07/28/22 17:53	120-82-1	
1,1,1-Trichloroethane	<0.61	ug/L	2.0	0.61	2		07/28/22 17:53	71-55-6	
1,1,2-Trichloroethane	<0.69	ug/L	10.0	0.69	2		07/28/22 17:53	79-00-5	
Trichloroethene	<0.64	ug/L	2.0	0.64	2		07/28/22 17:53	79-01-6	
Trichlorofluoromethane	<0.84	ug/L	2.0	0.84	2		07/28/22 17:53	75-69-4	
1,2,3-Trichloropropane	<1.1	ug/L	10.0	1.1	2		07/28/22 17:53	96-18-4	
1,2,4-Trimethylbenzene	<0.90	ug/L	2.0	0.90	2		07/28/22 17:53	95-63-6	
1,3,5-Trimethylbenzene	<0.71	ug/L	2.0	0.71	2		07/28/22 17:53	108-67-8	
Vinyl chloride	279	ug/L	2.0	0.35	2		07/28/22 17:53	75-01-4	
Xylene (Total)	<2.1	ug/L	6.0	2.1	2		07/28/22 17:53	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	110	%	70-130		2		07/28/22 17:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		2		07/28/22 17:53	2199-69-1	
Toluene-d8 (S)	101	%	70-130		2		07/28/22 17:53	2037-26-5	
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		07/29/22 14:14		

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: MW-2201D**      **Lab ID: 40248822012**      Collected: 07/26/22 12:30      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>86.5</b>	mg/L	20.0	4.3	10		07/29/22 22:13	16887-00-6	
Sulfate	<b>28.2</b>	mg/L	20.0	4.4	10		07/29/22 22:13	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>583</b>	mg/L	50.0	14.9	2		07/28/22 10:27		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>287</b>	mg/L	50.0	14.7	1	08/02/22 06:55	08/02/22 10:21		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>95.7</b>	mg/L	15.0	4.2	30		08/03/22 03:02	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: MW-2303**      **Lab ID: 40248822013**      Collected: 07/26/22 12:25      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	16.0	ug/L	5.6	0.39	1		07/29/22 13:26	74-84-0	
Ethene	95.1	ug/L	5.0	0.25	1		07/29/22 13:26	74-85-1	
Methane	3960	ug/L	112	23.0	40		07/29/22 16:28	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	1.7	mg/L	0.25	0.058	1	07/28/22 05:30	07/30/22 07:43	7439-89-6	
Manganese	0.13	mg/L	0.0040	0.0012	1	07/28/22 05:30	07/30/22 07:43	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Barium, Dissolved	0.13	mg/L	0.0023	0.00070	1	07/28/22 05:23	07/28/22 19:36	7440-39-3	
Chromium, Dissolved	<0.0010	mg/L	0.0034	0.0010	1	07/28/22 05:23	07/28/22 19:36	7440-47-3	
Iron, Dissolved	1.5	mg/L	0.25	0.058	1	07/28/22 05:23	07/28/22 19:36	7439-89-6	
Lead, Dissolved	<0.00024	mg/L	0.0010	0.00024	1	07/28/22 05:23	07/28/22 19:36	7439-92-1	
Manganese, Dissolved	0.14	mg/L	0.0040	0.0012	1	07/28/22 05:23	07/30/22 05:15	7439-96-5	D9
Nickel, Dissolved	0.00028J	mg/L	0.0010	0.00028	1	07/28/22 05:23	07/28/22 19:36	7440-02-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/28/22 17:35	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 17:35	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/22 17:35	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 17:35	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/28/22 17:35	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/28/22 17:35	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 17:35	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/28/22 17:35	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/28/22 17:35	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/28/22 17:35	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 17:35	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/28/22 17:35	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/28/22 17:35	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/28/22 17:35	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 17:35	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 17:35	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/28/22 17:35	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/28/22 17:35	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/28/22 17:35	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/28/22 17:35	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 17:35	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 17:35	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/28/22 17:35	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/28/22 17:35	75-71-8	
1,1-Dichloroethane	1.2	ug/L	1.0	0.30	1		07/28/22 17:35	75-34-3	

### REPORT OF LABORATORY ANALYSIS

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



### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: MW-2303**      **Lab ID: 40248822013**      Collected: 07/26/22 12:25      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/28/22 17:35	107-06-2	
1,1-Dichloroethane	<0.58	ug/L	1.0	0.58	1		07/28/22 17:35	75-35-4	
cis-1,2-Dichloroethene	10.4	ug/L	1.0	0.47	1		07/28/22 17:35	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/28/22 17:35	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/28/22 17:35	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/28/22 17:35	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/28/22 17:35	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/28/22 17:35	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/28/22 17:35	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/28/22 17:35	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 17:35	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 17:35	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/28/22 17:35	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/28/22 17:35	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/28/22 17:35	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/28/22 17:35	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 17:35	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/28/22 17:35	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 17:35	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/28/22 17:35	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/28/22 17:35	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/28/22 17:35	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/28/22 17:35	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/28/22 17:35	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/28/22 17:35	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/22 17:35	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 17:35	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/28/22 17:35	79-00-5	
Trichloroethene	0.44J	ug/L	1.0	0.32	1		07/28/22 17:35	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 17:35	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/28/22 17:35	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/28/22 17:35	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 17:35	108-67-8	
Vinyl chloride	63.7	ug/L	1.0	0.17	1		07/28/22 17:35	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/28/22 17:35	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	109	%	70-130		1		07/28/22 17:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		07/28/22 17:35	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		07/28/22 17:35	2037-26-5	

**4500S2F Sulfide, Iodometric**

Analytical Method: SM 4500-S F (2000)

Pace Analytical Services - Green Bay

Sulfide	<1.2	mg/L	4.0	1.2	1		07/29/22 14:16		
---------	------	------	-----	-----	---	--	----------------	--	--

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: MW-2303**      **Lab ID: 40248822013**      Collected: 07/26/22 12:25      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>162</b>	mg/L	10.0	2.2	5		07/29/22 22:28	16887-00-6	
Sulfate	<b>33.3</b>	mg/L	10.0	2.2	5		07/29/22 22:28	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>439</b>	mg/L	50.0	14.9	2		07/28/22 10:28		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>32.5J</b>	mg/L	50.0	14.7	1	08/02/22 06:55	08/02/22 10:22		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>3.6</b>	mg/L	0.50	0.14	1		08/02/22 21:11	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: PZ-2303**      **Lab ID: 40248822014**      Collected: 07/26/22 13:35      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	19.7	ug/L	5.6	0.39	1		07/29/22 13:33	74-84-0	
Ethene	<0.25	ug/L	5.0	0.25	1		07/29/22 13:33	74-85-1	
Methane	13500	ug/L	280	57.6	100		07/29/22 16:35	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Iron	11.8	mg/L	0.25	0.058	1	07/28/22 05:30	07/30/22 07:50	7439-89-6	
Manganese	0.29	mg/L	0.0040	0.0012	1	07/28/22 05:30	07/30/22 07:50	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Barium, Dissolved	0.31	mg/L	0.0023	0.00070	1	07/28/22 05:23	07/28/22 19:43	7440-39-3	
Chromium, Dissolved	<0.0010	mg/L	0.0034	0.0010	1	07/28/22 05:23	07/28/22 19:43	7440-47-3	
Iron, Dissolved	9.0	mg/L	0.25	0.058	1	07/28/22 05:23	07/28/22 19:43	7439-89-6	
Lead, Dissolved	<0.00024	mg/L	0.0010	0.00024	1	07/28/22 05:23	07/28/22 19:43	7439-92-1	
Manganese, Dissolved	0.26	mg/L	0.0040	0.0012	1	07/28/22 05:23	07/30/22 05:37	7439-96-5	
Nickel, Dissolved	<0.00028	mg/L	0.0010	0.00028	1	07/28/22 05:23	07/28/22 19:43	7440-02-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/29/22 08:57	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/29/22 08:57	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/29/22 08:57	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/29/22 08:57	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/29/22 08:57	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/29/22 08:57	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/29/22 08:57	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/29/22 08:57	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/29/22 08:57	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/29/22 08:57	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/29/22 08:57	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/29/22 08:57	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/29/22 08:57	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/29/22 08:57	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/29/22 08:57	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/29/22 08:57	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/29/22 08:57	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/29/22 08:57	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/29/22 08:57	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/29/22 08:57	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/29/22 08:57	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/29/22 08:57	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/29/22 08:57	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/29/22 08:57	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/29/22 08:57	75-34-3	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: PZ-2303**      **Lab ID: 40248822014**      Collected: 07/26/22 13:35      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/29/22 08:57	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/29/22 08:57	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/29/22 08:57	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/29/22 08:57	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/29/22 08:57	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/29/22 08:57	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/29/22 08:57	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/29/22 08:57	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/29/22 08:57	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/29/22 08:57	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/29/22 08:57	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/29/22 08:57	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/29/22 08:57	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/29/22 08:57	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/29/22 08:57	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/29/22 08:57	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/29/22 08:57	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/29/22 08:57	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/29/22 08:57	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/29/22 08:57	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/29/22 08:57	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/29/22 08:57	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/29/22 08:57	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/29/22 08:57	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/29/22 08:57	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/29/22 08:57	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/29/22 08:57	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/29/22 08:57	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/29/22 08:57	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/29/22 08:57	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/29/22 08:57	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/29/22 08:57	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/29/22 08:57	108-67-8	
Vinyl chloride	1.1	ug/L	1.0	0.17	1		07/29/22 08:57	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/29/22 08:57	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	109	%	70-130		1		07/29/22 08:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		07/29/22 08:57	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		07/29/22 08:57	2037-26-5	
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	1.2J	mg/L	4.0	1.2	1		07/29/22 14:18		

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: PZ-2303**      **Lab ID: 40248822014**      Collected: 07/26/22 13:35      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>137</b>	mg/L	20.0	4.3	10		07/29/22 22:43	16887-00-6	
Sulfate	<b>73.3</b>	mg/L	20.0	4.4	10		07/29/22 22:43	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>941</b>	mg/L	125	37.2	5		07/28/22 10:30		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>305</b>	mg/L	50.0	14.7	1	08/02/22 06:55	08/02/22 10:22		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>100</b>	mg/L	5.0	1.4	10		08/02/22 22:22	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: MW-2301**      **Lab ID: 40248822015**      Collected: 07/26/22 15:20      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	62.5	ug/L	5.6	0.39	1		07/29/22 13:40	74-84-0	
Ethene	72.9	ug/L	5.0	0.25	1		07/29/22 13:40	74-85-1	
Methane	6220	ug/L	280	57.6	100		07/29/22 16:42	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	18.5	mg/L	0.25	0.058	1	07/28/22 05:30	07/30/22 07:57	7439-89-6	
Manganese	0.071	mg/L	0.0040	0.0012	1	07/28/22 05:30	07/30/22 07:57	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Barium, Dissolved	0.070	mg/L	0.0023	0.00070	1	07/28/22 05:23	07/28/22 19:51	7440-39-3	
Chromium, Dissolved	<0.0010	mg/L	0.0034	0.0010	1	07/28/22 05:23	07/28/22 19:51	7440-47-3	
Iron, Dissolved	0.71	mg/L	0.25	0.058	1	07/28/22 05:23	07/30/22 05:45	7439-89-6	
Lead, Dissolved	<0.00024	mg/L	0.0010	0.00024	1	07/28/22 05:23	07/28/22 19:51	7439-92-1	
Manganese, Dissolved	0.14	mg/L	0.0040	0.0012	1	07/28/22 05:23	07/30/22 05:45	7439-96-5	CR
Nickel, Dissolved	<0.00028	mg/L	0.0010	0.00028	1	07/28/22 05:23	07/28/22 19:51	7440-02-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/29/22 09:15	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/29/22 09:15	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/29/22 09:15	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/29/22 09:15	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/29/22 09:15	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/29/22 09:15	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/29/22 09:15	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/29/22 09:15	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/29/22 09:15	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/29/22 09:15	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/29/22 09:15	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/29/22 09:15	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/29/22 09:15	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/29/22 09:15	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/29/22 09:15	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/29/22 09:15	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/29/22 09:15	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/29/22 09:15	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/29/22 09:15	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/29/22 09:15	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/29/22 09:15	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/29/22 09:15	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/29/22 09:15	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/29/22 09:15	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/29/22 09:15	75-34-3	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: MW-2301**      **Lab ID: 40248822015**      Collected: 07/26/22 15:20      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/29/22 09:15	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/29/22 09:15	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/29/22 09:15	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/29/22 09:15	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/29/22 09:15	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/29/22 09:15	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/29/22 09:15	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/29/22 09:15	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/29/22 09:15	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/29/22 09:15	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/29/22 09:15	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/29/22 09:15	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/29/22 09:15	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/29/22 09:15	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/29/22 09:15	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/29/22 09:15	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/29/22 09:15	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/29/22 09:15	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/29/22 09:15	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/29/22 09:15	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/29/22 09:15	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/29/22 09:15	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/29/22 09:15	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/29/22 09:15	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/29/22 09:15	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/29/22 09:15	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/29/22 09:15	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/29/22 09:15	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/29/22 09:15	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/29/22 09:15	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/29/22 09:15	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/29/22 09:15	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/29/22 09:15	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/29/22 09:15	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/29/22 09:15	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	109	%	70-130		1		07/29/22 09:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		07/29/22 09:15	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		07/29/22 09:15	2037-26-5	
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	1.6J	mg/L	4.0	1.2	1		07/29/22 14:20		

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: MW-2301**      **Lab ID: 40248822015**      Collected: 07/26/22 15:20      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>14.0</b>	mg/L	10.0	2.2	5		07/29/22 22:58	16887-00-6	B
Sulfate	<b>10.5</b>	mg/L	10.0	2.2	5		07/29/22 22:58	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>178</b>	mg/L	125	37.2	5		07/28/22 10:31		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>105</b>	mg/L	100	29.5	1	08/02/22 06:55	08/02/22 10:22		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>13.3</b>	mg/L	0.50	0.14	1		08/02/22 22:38	7440-44-0	

### REPORT OF LABORATORY ANALYSIS

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



### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: MW-2301D**      **Lab ID: 40248822016**      Collected: 07/26/22 15:00      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	58.4	ug/L	5.6	0.39	1		07/29/22 13:47	74-84-0	
Ethene	67.9	ug/L	5.0	0.25	1		07/29/22 13:47	74-85-1	
Methane	5590	ug/L	280	57.6	100		07/29/22 16:48	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Iron	9.2	mg/L	0.25	0.058	1	07/28/22 05:30	07/30/22 08:05	7439-89-6	
Manganese	0.033	mg/L	0.0040	0.0012	1	07/28/22 05:30	07/30/22 08:05	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Barium, Dissolved	0.058	mg/L	0.0023	0.00070	1	07/28/22 05:23	07/28/22 19:58	7440-39-3	
Chromium, Dissolved	<0.0010	mg/L	0.0034	0.0010	1	07/28/22 05:23	07/28/22 19:58	7440-47-3	
Iron, Dissolved	0.18J	mg/L	0.25	0.058	1	07/28/22 05:23	07/30/22 05:52	7439-89-6	
Lead, Dissolved	<0.00024	mg/L	0.0010	0.00024	1	07/28/22 05:23	07/28/22 19:58	7439-92-1	
Manganese, Dissolved	0.073	mg/L	0.0040	0.0012	1	07/28/22 05:23	07/30/22 05:52	7439-96-5	CR
Nickel, Dissolved	<0.00028	mg/L	0.0010	0.00028	1	07/28/22 05:23	07/28/22 19:58	7440-02-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		08/02/22 10:25	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		08/02/22 10:25	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/02/22 10:25	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		08/02/22 10:25	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		08/02/22 10:25	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		08/02/22 10:25	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		08/02/22 10:25	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		08/02/22 10:25	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		08/02/22 10:25	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		08/02/22 10:25	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		08/02/22 10:25	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		08/02/22 10:25	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		08/02/22 10:25	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		08/02/22 10:25	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		08/02/22 10:25	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		08/02/22 10:25	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		08/02/22 10:25	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		08/02/22 10:25	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		08/02/22 10:25	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		08/02/22 10:25	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		08/02/22 10:25	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		08/02/22 10:25	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		08/02/22 10:25	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		08/02/22 10:25	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		08/02/22 10:25	75-34-3	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: MW-2301D**      **Lab ID: 40248822016**      Collected: 07/26/22 15:00      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		08/02/22 10:25	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		08/02/22 10:25	75-35-4	
cis-1,2-Dichloroethene	0.79J	ug/L	1.0	0.47	1		08/02/22 10:25	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		08/02/22 10:25	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		08/02/22 10:25	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		08/02/22 10:25	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		08/02/22 10:25	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		08/02/22 10:25	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		08/02/22 10:25	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		08/02/22 10:25	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		08/02/22 10:25	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		08/02/22 10:25	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		08/02/22 10:25	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		08/02/22 10:25	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		08/02/22 10:25	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		08/02/22 10:25	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		08/02/22 10:25	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		08/02/22 10:25	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		08/02/22 10:25	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		08/02/22 10:25	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		08/02/22 10:25	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		08/02/22 10:25	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		08/02/22 10:25	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		08/02/22 10:25	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		08/02/22 10:25	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/02/22 10:25	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		08/02/22 10:25	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		08/02/22 10:25	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		08/02/22 10:25	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		08/02/22 10:25	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		08/02/22 10:25	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		08/02/22 10:25	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		08/02/22 10:25	108-67-8	
Vinyl chloride	2.1	ug/L	1.0	0.17	1		08/02/22 10:25	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		08/02/22 10:25	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	85	%	70-130		1		08/02/22 10:25	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		08/02/22 10:25	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		08/02/22 10:25	2037-26-5	
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		07/29/22 14:24		

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: MW-2301D**      **Lab ID: 4024882016**      Collected: 07/26/22 15:00      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>13.9</b>	mg/L	10.0	2.2	5		07/29/22 23:12	16887-00-6	B
Sulfate	<b>10.9</b>	mg/L	10.0	2.2	5		07/29/22 23:12	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>188</b>	mg/L	25.0	7.4	1		07/28/22 10:36		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>89.6</b>	mg/L	50.0	14.7	1	08/02/22 06:55	08/02/22 10:22		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>13.8</b>	mg/L	0.50	0.14	1		08/02/22 22:55	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: MW-114**      **Lab ID: 40248822017**      Collected: 07/26/22 14:30      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/29/22 09:32	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/29/22 09:32	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/29/22 09:32	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/29/22 09:32	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/29/22 09:32	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/29/22 09:32	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/29/22 09:32	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/29/22 09:32	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/29/22 09:32	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/29/22 09:32	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/29/22 09:32	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/29/22 09:32	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/29/22 09:32	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/29/22 09:32	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/29/22 09:32	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/29/22 09:32	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/29/22 09:32	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/29/22 09:32	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/29/22 09:32	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/29/22 09:32	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/29/22 09:32	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/29/22 09:32	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/29/22 09:32	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/29/22 09:32	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/29/22 09:32	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/29/22 09:32	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/29/22 09:32	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/29/22 09:32	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/29/22 09:32	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/29/22 09:32	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/29/22 09:32	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/29/22 09:32	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/29/22 09:32	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/29/22 09:32	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/29/22 09:32	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/29/22 09:32	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/29/22 09:32	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/29/22 09:32	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/29/22 09:32	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/29/22 09:32	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/29/22 09:32	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/29/22 09:32	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/29/22 09:32	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/29/22 09:32	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/29/22 09:32	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: MW-114**      **Lab ID: 40248822017**      Collected: 07/26/22 14:30      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/29/22 09:32	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/29/22 09:32	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/29/22 09:32	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/29/22 09:32	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/29/22 09:32	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/29/22 09:32	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/29/22 09:32	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/29/22 09:32	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/29/22 09:32	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/29/22 09:32	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/29/22 09:32	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/29/22 09:32	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/29/22 09:32	108-67-8	
Vinyl chloride	47.6	ug/L	1.0	0.17	1		07/29/22 09:32	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/29/22 09:32	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	109	%	70-130		1		07/29/22 09:32	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		07/29/22 09:32	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		07/29/22 09:32	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: PZ-118**      **Lab ID: 40248822018**      Collected: 07/26/22 15:00      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/28/22 13:48	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 13:48	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/22 13:48	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 13:48	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/28/22 13:48	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/28/22 13:48	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 13:48	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/28/22 13:48	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/28/22 13:48	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/28/22 13:48	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 13:48	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/28/22 13:48	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/28/22 13:48	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/28/22 13:48	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 13:48	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 13:48	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/28/22 13:48	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/28/22 13:48	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/28/22 13:48	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/28/22 13:48	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 13:48	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 13:48	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/28/22 13:48	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/28/22 13:48	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 13:48	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/28/22 13:48	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/28/22 13:48	75-35-4	
cis-1,2-Dichloroethene	2.9	ug/L	1.0	0.47	1		07/28/22 13:48	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/28/22 13:48	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/28/22 13:48	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/28/22 13:48	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/28/22 13:48	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/28/22 13:48	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/28/22 13:48	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/28/22 13:48	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 13:48	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 13:48	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/28/22 13:48	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/28/22 13:48	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/28/22 13:48	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/28/22 13:48	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 13:48	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/28/22 13:48	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 13:48	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/28/22 13:48	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: PZ-118**      **Lab ID: 40248822018**      Collected: 07/26/22 15:00      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/28/22 13:48	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/28/22 13:48	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/28/22 13:48	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/28/22 13:48	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/28/22 13:48	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/22 13:48	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 13:48	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/28/22 13:48	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/28/22 13:48	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 13:48	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/28/22 13:48	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/28/22 13:48	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 13:48	108-67-8	
Vinyl chloride	2.4	ug/L	1.0	0.17	1		07/28/22 13:48	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/28/22 13:48	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	108	%	70-130		1		07/28/22 13:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		07/28/22 13:48	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		07/28/22 13:48	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: MW-113**      **Lab ID: 40248822019**      Collected: 07/26/22 15:30      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/28/22 13:31	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 13:31	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/22 13:31	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 13:31	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/28/22 13:31	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/28/22 13:31	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 13:31	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/28/22 13:31	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/28/22 13:31	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/28/22 13:31	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 13:31	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/28/22 13:31	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/28/22 13:31	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/28/22 13:31	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 13:31	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 13:31	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/28/22 13:31	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/28/22 13:31	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/28/22 13:31	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/28/22 13:31	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 13:31	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 13:31	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/28/22 13:31	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/28/22 13:31	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 13:31	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/28/22 13:31	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/28/22 13:31	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/28/22 13:31	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/28/22 13:31	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/28/22 13:31	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/28/22 13:31	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/28/22 13:31	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/28/22 13:31	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/28/22 13:31	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/28/22 13:31	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 13:31	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 13:31	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/28/22 13:31	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/28/22 13:31	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/28/22 13:31	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/28/22 13:31	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 13:31	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/28/22 13:31	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 13:31	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/28/22 13:31	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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



## ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: MW-113**      **Lab ID: 40248822019**      Collected: 07/26/22 15:30      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/28/22 13:31	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/28/22 13:31	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/28/22 13:31	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/28/22 13:31	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/28/22 13:31	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/22 13:31	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 13:31	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/28/22 13:31	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/28/22 13:31	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 13:31	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/28/22 13:31	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/28/22 13:31	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 13:31	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/28/22 13:31	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/28/22 13:31	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107	%	70-130		1		07/28/22 13:31	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		07/28/22 13:31	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		07/28/22 13:31	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: MW-79**      **Lab ID: 40248822020**      Collected: 07/26/22 10:45      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/28/22 13:14	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 13:14	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/22 13:14	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 13:14	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/28/22 13:14	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/28/22 13:14	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 13:14	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/28/22 13:14	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/28/22 13:14	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/28/22 13:14	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 13:14	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/28/22 13:14	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/28/22 13:14	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/28/22 13:14	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 13:14	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 13:14	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/28/22 13:14	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/28/22 13:14	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/28/22 13:14	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/28/22 13:14	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 13:14	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 13:14	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/28/22 13:14	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/28/22 13:14	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 13:14	75-34-3	M1
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/28/22 13:14	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/28/22 13:14	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/28/22 13:14	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/28/22 13:14	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/28/22 13:14	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/28/22 13:14	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/28/22 13:14	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/28/22 13:14	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/28/22 13:14	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/28/22 13:14	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 13:14	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 13:14	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/28/22 13:14	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/28/22 13:14	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/28/22 13:14	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/28/22 13:14	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 13:14	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/28/22 13:14	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 13:14	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/28/22 13:14	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: MW-79**      **Lab ID: 40248822020**      Collected: 07/26/22 10:45      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/28/22 13:14	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/28/22 13:14	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/28/22 13:14	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/28/22 13:14	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/28/22 13:14	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/22 13:14	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 13:14	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/28/22 13:14	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/28/22 13:14	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 13:14	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/28/22 13:14	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/28/22 13:14	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 13:14	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/28/22 13:14	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/28/22 13:14	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		07/28/22 13:14	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		07/28/22 13:14	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		07/28/22 13:14	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: PZ-82**      **Lab ID: 40248822021**      Collected: 07/26/22 13:35      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/29/22 10:15	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/29/22 10:15	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/29/22 10:15	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/29/22 10:15	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/29/22 10:15	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/29/22 10:15	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/29/22 10:15	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/29/22 10:15	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/29/22 10:15	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/29/22 10:15	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/29/22 10:15	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/29/22 10:15	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/29/22 10:15	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/29/22 10:15	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/29/22 10:15	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/29/22 10:15	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/29/22 10:15	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/29/22 10:15	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/29/22 10:15	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/29/22 10:15	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/29/22 10:15	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/29/22 10:15	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/29/22 10:15	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/29/22 10:15	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/29/22 10:15	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/29/22 10:15	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/29/22 10:15	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/29/22 10:15	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/29/22 10:15	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/29/22 10:15	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/29/22 10:15	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/29/22 10:15	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/29/22 10:15	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/29/22 10:15	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/29/22 10:15	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/29/22 10:15	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/29/22 10:15	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/29/22 10:15	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/29/22 10:15	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/29/22 10:15	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/29/22 10:15	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/29/22 10:15	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/29/22 10:15	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/29/22 10:15	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/29/22 10:15	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: PZ-82**      **Lab ID: 40248822021**      Collected: 07/26/22 13:35      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/29/22 10:15	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/29/22 10:15	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/29/22 10:15	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/29/22 10:15	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/29/22 10:15	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/29/22 10:15	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/29/22 10:15	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/29/22 10:15	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/29/22 10:15	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/29/22 10:15	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/29/22 10:15	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/29/22 10:15	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/29/22 10:15	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/29/22 10:15	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/29/22 10:15	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	128	%	70-130		1		07/29/22 10:15	460-00-4	1q
1,2-Dichlorobenzene-d4 (S)	114	%	70-130		1		07/29/22 10:15	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		07/29/22 10:15	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: MW-44**      **Lab ID: 40248822022**      Collected: 07/26/22 14:35      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/28/22 13:36	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 13:36	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/22 13:36	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 13:36	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/28/22 13:36	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/28/22 13:36	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 13:36	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/28/22 13:36	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/28/22 13:36	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/28/22 13:36	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 13:36	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/28/22 13:36	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/28/22 13:36	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/28/22 13:36	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 13:36	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 13:36	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/28/22 13:36	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/28/22 13:36	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/28/22 13:36	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/28/22 13:36	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 13:36	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 13:36	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/28/22 13:36	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/28/22 13:36	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 13:36	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/28/22 13:36	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/28/22 13:36	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/28/22 13:36	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/28/22 13:36	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/28/22 13:36	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/28/22 13:36	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/28/22 13:36	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/28/22 13:36	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/28/22 13:36	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/28/22 13:36	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 13:36	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 13:36	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/28/22 13:36	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/28/22 13:36	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/28/22 13:36	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/28/22 13:36	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 13:36	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/28/22 13:36	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 13:36	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/28/22 13:36	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: MW-44**      **Lab ID: 40248822022**      Collected: 07/26/22 14:35      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/28/22 13:36	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/28/22 13:36	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/28/22 13:36	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/28/22 13:36	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/28/22 13:36	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/22 13:36	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 13:36	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/28/22 13:36	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/28/22 13:36	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 13:36	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/28/22 13:36	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/28/22 13:36	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 13:36	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/28/22 13:36	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/28/22 13:36	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	82	%	70-130		1		07/28/22 13:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		07/28/22 13:36	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		07/28/22 13:36	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: MW-81**      **Lab ID: 40248822023**      Collected: 07/26/22 12:25      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/28/22 14:15	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:15	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/22 14:15	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 14:15	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/28/22 14:15	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/28/22 14:15	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 14:15	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/28/22 14:15	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/28/22 14:15	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/28/22 14:15	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 14:15	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/28/22 14:15	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/28/22 14:15	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/28/22 14:15	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 14:15	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 14:15	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/28/22 14:15	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/28/22 14:15	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/28/22 14:15	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/28/22 14:15	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 14:15	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 14:15	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/28/22 14:15	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/28/22 14:15	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 14:15	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/28/22 14:15	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/28/22 14:15	75-35-4	
cis-1,2-Dichloroethene	0.61J	ug/L	1.0	0.47	1		07/28/22 14:15	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/28/22 14:15	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/28/22 14:15	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/28/22 14:15	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/28/22 14:15	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/28/22 14:15	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:15	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/28/22 14:15	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 14:15	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 14:15	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/28/22 14:15	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/28/22 14:15	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/28/22 14:15	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/28/22 14:15	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 14:15	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/28/22 14:15	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 14:15	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:15	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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



### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: MW-81**      **Lab ID: 40248822023**      Collected: 07/26/22 12:25      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/28/22 14:15	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/28/22 14:15	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/28/22 14:15	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/28/22 14:15	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/28/22 14:15	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/22 14:15	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 14:15	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/28/22 14:15	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/28/22 14:15	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 14:15	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/28/22 14:15	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/28/22 14:15	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:15	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/28/22 14:15	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/28/22 14:15	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	70-130		1		07/28/22 14:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		07/28/22 14:15	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		07/28/22 14:15	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: MW-80**      **Lab ID: 40248822024**      Collected: 07/26/22 13:30      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/28/22 14:35	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:35	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/22 14:35	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 14:35	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/28/22 14:35	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/28/22 14:35	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 14:35	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/28/22 14:35	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/28/22 14:35	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/28/22 14:35	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 14:35	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/28/22 14:35	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/28/22 14:35	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/28/22 14:35	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 14:35	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 14:35	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/28/22 14:35	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/28/22 14:35	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/28/22 14:35	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/28/22 14:35	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 14:35	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 14:35	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/28/22 14:35	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/28/22 14:35	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 14:35	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/28/22 14:35	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/28/22 14:35	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/28/22 14:35	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/28/22 14:35	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/28/22 14:35	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/28/22 14:35	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/28/22 14:35	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/28/22 14:35	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:35	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/28/22 14:35	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 14:35	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 14:35	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/28/22 14:35	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/28/22 14:35	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/28/22 14:35	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/28/22 14:35	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 14:35	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/28/22 14:35	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 14:35	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:35	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: MW-80**      **Lab ID: 40248822024**      Collected: 07/26/22 13:30      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/28/22 14:35	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/28/22 14:35	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/28/22 14:35	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/28/22 14:35	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/28/22 14:35	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/22 14:35	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 14:35	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/28/22 14:35	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/28/22 14:35	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 14:35	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/28/22 14:35	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/28/22 14:35	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:35	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/28/22 14:35	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/28/22 14:35	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		1		07/28/22 14:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		07/28/22 14:35	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		07/28/22 14:35	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: MW-108**      **Lab ID: 40248822025**      Collected: 07/26/22 14:35      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/28/22 14:55	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:55	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/22 14:55	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 14:55	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/28/22 14:55	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/28/22 14:55	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 14:55	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/28/22 14:55	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/28/22 14:55	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/28/22 14:55	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 14:55	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/28/22 14:55	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/28/22 14:55	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/28/22 14:55	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 14:55	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 14:55	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/28/22 14:55	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/28/22 14:55	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/28/22 14:55	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/28/22 14:55	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 14:55	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 14:55	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/28/22 14:55	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/28/22 14:55	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 14:55	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/28/22 14:55	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/28/22 14:55	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/28/22 14:55	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/28/22 14:55	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/28/22 14:55	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/28/22 14:55	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/28/22 14:55	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/28/22 14:55	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:55	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/28/22 14:55	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 14:55	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 14:55	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/28/22 14:55	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/28/22 14:55	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/28/22 14:55	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/28/22 14:55	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 14:55	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/28/22 14:55	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 14:55	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:55	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: MW-108**      **Lab ID: 40248822025**      Collected: 07/26/22 14:35      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/28/22 14:55	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/28/22 14:55	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/28/22 14:55	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/28/22 14:55	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/28/22 14:55	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/22 14:55	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 14:55	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/28/22 14:55	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/28/22 14:55	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 14:55	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/28/22 14:55	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/28/22 14:55	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 14:55	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/28/22 14:55	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/28/22 14:55	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		07/28/22 14:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		07/28/22 14:55	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		07/28/22 14:55	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: MW-31**      **Lab ID: 40248822026**      Collected: 07/26/22 14:35      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	58.2	ug/L	5.6	0.39	1		07/29/22 13:54	74-84-0	
Ethene	66.5	ug/L	5.0	0.25	1		07/29/22 13:54	74-85-1	
Methane	4760	ug/L	280	57.6	100		07/29/22 16:55	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Iron	18.7	mg/L	0.25	0.058	1	07/28/22 05:30	07/30/22 08:12	7439-89-6	
Manganese	0.13	mg/L	0.0040	0.0012	1	07/28/22 05:30	07/30/22 08:12	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Barium, Dissolved	0.45	mg/L	0.0023	0.00070	1	07/28/22 05:23	07/28/22 20:05	7440-39-3	
Chromium, Dissolved	<0.0010	mg/L	0.0034	0.0010	1	07/28/22 05:23	07/28/22 20:05	7440-47-3	
Iron, Dissolved	18.0	mg/L	0.25	0.058	1	07/28/22 05:23	07/28/22 20:05	7439-89-6	
Lead, Dissolved	<0.00024	mg/L	0.0010	0.00024	1	07/28/22 05:23	07/28/22 20:05	7439-92-1	
Manganese, Dissolved	0.12	mg/L	0.0040	0.0012	1	07/28/22 05:23	07/30/22 05:59	7439-96-5	
Nickel, Dissolved	<0.00028	mg/L	0.0010	0.00028	1	07/28/22 05:23	07/28/22 20:05	7440-02-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/28/22 15:15	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 15:15	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/22 15:15	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 15:15	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/28/22 15:15	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/28/22 15:15	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 15:15	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/28/22 15:15	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/28/22 15:15	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/28/22 15:15	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/28/22 15:15	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/28/22 15:15	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/28/22 15:15	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/28/22 15:15	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 15:15	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/28/22 15:15	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/28/22 15:15	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/28/22 15:15	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/28/22 15:15	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/28/22 15:15	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 15:15	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 15:15	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/28/22 15:15	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/28/22 15:15	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 15:15	75-34-3	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60682984.1F KEP

Pace Project No.: 40248822

**Sample: MW-31**      **Lab ID: 40248822026**      Collected: 07/26/22 14:35      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/28/22 15:15	107-06-2	
1,1-Dichloroethane	<0.58	ug/L	1.0	0.58	1		07/28/22 15:15	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/28/22 15:15	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/28/22 15:15	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/28/22 15:15	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/28/22 15:15	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/28/22 15:15	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/28/22 15:15	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/28/22 15:15	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/28/22 15:15	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 15:15	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/28/22 15:15	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/28/22 15:15	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/28/22 15:15	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/28/22 15:15	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/28/22 15:15	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/28/22 15:15	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/28/22 15:15	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/28/22 15:15	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/28/22 15:15	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/28/22 15:15	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/28/22 15:15	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/28/22 15:15	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/28/22 15:15	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/28/22 15:15	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/22 15:15	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/28/22 15:15	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/28/22 15:15	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/28/22 15:15	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/28/22 15:15	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/28/22 15:15	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/28/22 15:15	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/28/22 15:15	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/28/22 15:15	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/28/22 15:15	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	70-130		1		07/28/22 15:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	110	%	70-130		1		07/28/22 15:15	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		07/28/22 15:15	2037-26-5	

**4500S2F Sulfide, Iodometric**

Analytical Method: SM 4500-S F (2000)

Pace Analytical Services - Green Bay

Sulfide	<1.2	mg/L	4.0	1.2	1		07/29/22 14:27		
---------	------	------	-----	-----	---	--	----------------	--	--

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60682984.1F KEP  
Pace Project No.: 40248822

**Sample: MW-31**      **Lab ID: 40248822026**      Collected: 07/26/22 14:35      Received: 07/27/22 08:25      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>154</b>	mg/L	10.0	2.2	5		07/29/22 23:27	16887-00-6	
Sulfate	<b>&lt;2.2</b>	mg/L	10.0	2.2	5		07/29/22 23:27	14808-79-8	D3
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>705</b>	mg/L	50.0	14.9	2		07/28/22 10:37		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>808</b>	mg/L	50.0	14.7	1	08/02/22 06:55	08/02/22 10:22		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>288</b>	mg/L	15.0	4.2	30		08/02/22 23:12	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

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



### QUALITY CONTROL DATA

Project: 60682984.1F KEP  
Pace Project No.: 40248822

QC Batch:	422118	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: 40248822005, 40248822011, 40248822012, 40248822013, 40248822014, 40248822015, 40248822016, 40248822026

METHOD BLANK: 2431319 Matrix: Water  
Associated Lab Samples: 40248822005, 40248822011, 40248822012, 40248822013, 40248822014, 40248822015, 40248822016, 40248822026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.39	5.6	07/29/22 10:58	
Ethene	ug/L	<0.25	5.0	07/29/22 10:58	
Methane	ug/L	<0.58	2.8	07/29/22 10:58	

LABORATORY CONTROL SAMPLE & LCSD: 2431320 2431321

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	55.7	56.0	104	105	74-120	1	20	
Ethene	ug/L	50	52.2	52.4	104	105	71-122	0	20	
Methane	ug/L	28.6	30.7	31.1	107	109	73-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2431957 2431958

Parameter	Units	40248749003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<0.39	53.6	53.6	54.4	54.2	102	101	70-120	0	20	
Ethene	ug/L	<0.25	50	50	51.2	50.7	102	101	68-122	1	20	
Methane	ug/L	2.2J	28.6	28.6	34.5	34.4	113	112	10-200	0	20	

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP

Pace Project No.: 40248822

QC Batch:	421954	Analysis Method:	EPA 6020B
QC Batch Method:	EPA 3010A	Analysis Description:	6020B MET
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40248822005, 40248822011, 40248822012, 40248822013, 40248822014, 40248822015, 40248822016, 40248822026

METHOD BLANK:	2430439	Matrix:	Water
---------------	---------	---------	-------

Associated Lab Samples: 40248822005, 40248822011, 40248822012, 40248822013, 40248822014, 40248822015, 40248822016, 40248822026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	mg/L	<0.058	0.25	07/30/22 06:21	
Manganese	mg/L	0.0025J	0.0040	07/30/22 06:21	

LABORATORY CONTROL SAMPLE: 2430440						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	mg/L	10	10.0	100	80-120	
Manganese	mg/L	0.25	0.25	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2430441												2430442	
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40248822005 Result	Spike Conc.	Spike Conc.	Result								
Iron	mg/L	17.4	10	10	26.0	25.6	86	82	75-125	1	20		
Manganese	mg/L	0.35	0.25	0.25	0.58	0.57	94	91	75-125	2	20		

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP  
Pace Project No.: 40248822

QC Batch: 421953 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3010A Analysis Description: 6020B MET Dissolved  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40248822005, 40248822011, 40248822012, 40248822013, 40248822014, 40248822015, 40248822016, 40248822026

METHOD BLANK: 2430435 Matrix: Water  
Associated Lab Samples: 40248822005, 40248822011, 40248822012, 40248822013, 40248822014, 40248822015, 40248822016, 40248822026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Barium, Dissolved	mg/L	<0.00070	0.0023	07/30/22 04:09	
Chromium, Dissolved	mg/L	<0.0010	0.0034	07/28/22 18:15	
Iron, Dissolved	mg/L	<0.058	0.25	07/28/22 18:15	
Lead, Dissolved	mg/L	<0.00024	0.0010	07/28/22 18:15	
Manganese, Dissolved	mg/L	<0.0012	0.0040	07/30/22 04:09	
Nickel, Dissolved	mg/L	<0.00028	0.0010	07/28/22 18:15	

LABORATORY CONTROL SAMPLE: 2430436

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium, Dissolved	mg/L	0.25	0.25	102	80-120	
Chromium, Dissolved	mg/L	0.25	0.24	98	80-120	
Iron, Dissolved	mg/L	10	9.9	99	80-120	
Lead, Dissolved	mg/L	0.25	0.24	97	80-120	
Manganese, Dissolved	mg/L	0.25	0.25	99	80-120	
Nickel, Dissolved	mg/L	0.25	0.25	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2430437 2430438

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40248822005 Result	Spike Conc.	Spike Conc.	Conc.							
Barium, Dissolved	mg/L	0.70	0.25	0.25	0.97	0.96	107	102	75-125	1	20	
Chromium, Dissolved	mg/L	<0.0010	0.25	0.25	0.24	0.24	97	98	75-125	0	20	
Iron, Dissolved	mg/L	16.1	10	10	25.5	25.7	94	96	75-125	1	20	
Lead, Dissolved	mg/L	<0.00024	0.25	0.25	0.27	0.27	107	107	75-125	0	20	
Manganese, Dissolved	mg/L	0.35	0.25	0.25	0.61	0.60	103	100	75-125	1	20	
Nickel, Dissolved	mg/L	0.00060J	0.25	0.25	0.24	0.24	94	94	75-125	0	20	

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP

Pace Project No.: 40248822

QC Batch: 421945

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40248822001, 40248822002, 40248822003, 40248822004, 40248822005, 40248822006, 40248822007, 40248822008, 40248822009, 40248822010, 40248822011, 40248822012, 40248822013, 40248822014, 40248822015, 40248822017, 40248822018, 40248822019, 40248822020

METHOD BLANK: 2430405

Matrix: Water

Associated Lab Samples: 40248822001, 40248822002, 40248822003, 40248822004, 40248822005, 40248822006, 40248822007, 40248822008, 40248822009, 40248822010, 40248822011, 40248822012, 40248822013, 40248822014, 40248822015, 40248822017, 40248822018, 40248822019, 40248822020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	07/28/22 10:32	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	07/28/22 10:32	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	07/28/22 10:32	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	07/28/22 10:32	
1,1-Dichloroethane	ug/L	<0.30	1.0	07/28/22 10:32	
1,1-Dichloroethene	ug/L	<0.58	1.0	07/28/22 10:32	
1,1-Dichloropropene	ug/L	<0.41	1.0	07/28/22 10:32	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	07/28/22 10:32	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	07/28/22 10:32	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	07/28/22 10:32	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	07/28/22 10:32	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	07/28/22 10:32	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	07/28/22 10:32	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	07/28/22 10:32	
1,2-Dichloroethane	ug/L	<0.29	1.0	07/28/22 10:32	
1,2-Dichloropropane	ug/L	<0.45	1.0	07/28/22 10:32	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	07/28/22 10:32	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	07/28/22 10:32	
1,3-Dichloropropane	ug/L	<0.30	1.0	07/28/22 10:32	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	07/28/22 10:32	
2,2-Dichloropropane	ug/L	<4.2	5.0	07/28/22 10:32	
2-Chlorotoluene	ug/L	<0.89	5.0	07/28/22 10:32	
4-Chlorotoluene	ug/L	<0.89	5.0	07/28/22 10:32	
Benzene	ug/L	<0.30	1.0	07/28/22 10:32	
Bromobenzene	ug/L	<0.36	1.0	07/28/22 10:32	
Bromochloromethane	ug/L	<0.36	5.0	07/28/22 10:32	
Bromodichloromethane	ug/L	<0.42	1.0	07/28/22 10:32	
Bromoform	ug/L	<3.8	5.0	07/28/22 10:32	
Bromomethane	ug/L	<1.2	5.0	07/28/22 10:32	
Carbon tetrachloride	ug/L	<0.37	1.0	07/28/22 10:32	
Chlorobenzene	ug/L	<0.86	1.0	07/28/22 10:32	
Chloroethane	ug/L	<1.4	5.0	07/28/22 10:32	
Chloroform	ug/L	<1.2	5.0	07/28/22 10:32	
Chloromethane	ug/L	<1.6	5.0	07/28/22 10:32	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	07/28/22 10:32	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	07/28/22 10:32	
Dibromochloromethane	ug/L	<2.6	5.0	07/28/22 10:32	

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP

Pace Project No.: 40248822

METHOD BLANK: 2430405

Matrix: Water

Associated Lab Samples: 40248822001, 40248822002, 40248822003, 40248822004, 40248822005, 40248822006, 40248822007, 40248822008, 40248822009, 40248822010, 40248822011, 40248822012, 40248822013, 40248822014, 40248822015, 40248822017, 40248822018, 40248822019, 40248822020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<0.99	5.0	07/28/22 10:32	
Dichlorodifluoromethane	ug/L	<0.46	5.0	07/28/22 10:32	
Diisopropyl ether	ug/L	<1.1	5.0	07/28/22 10:32	
Ethylbenzene	ug/L	<0.33	1.0	07/28/22 10:32	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	07/28/22 10:32	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	07/28/22 10:32	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	07/28/22 10:32	
Methylene Chloride	ug/L	<0.32	5.0	07/28/22 10:32	
n-Butylbenzene	ug/L	<0.86	1.0	07/28/22 10:32	
n-Propylbenzene	ug/L	<0.35	1.0	07/28/22 10:32	
Naphthalene	ug/L	<1.1	5.0	07/28/22 10:32	
p-Isopropyltoluene	ug/L	<1.0	5.0	07/28/22 10:32	
sec-Butylbenzene	ug/L	<0.42	1.0	07/28/22 10:32	
Styrene	ug/L	<0.36	1.0	07/28/22 10:32	
tert-Butylbenzene	ug/L	<0.59	1.0	07/28/22 10:32	
Tetrachloroethene	ug/L	<0.41	1.0	07/28/22 10:32	
Toluene	ug/L	<0.29	1.0	07/28/22 10:32	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	07/28/22 10:32	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	07/28/22 10:32	
Trichloroethene	ug/L	<0.32	1.0	07/28/22 10:32	
Trichlorofluoromethane	ug/L	<0.42	1.0	07/28/22 10:32	
Vinyl chloride	ug/L	<0.17	1.0	07/28/22 10:32	
Xylene (Total)	ug/L	<1.0	3.0	07/28/22 10:32	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130	07/28/22 10:32	
4-Bromofluorobenzene (S)	%	105	70-130	07/28/22 10:32	
Toluene-d8 (S)	%	102	70-130	07/28/22 10:32	

LABORATORY CONTROL SAMPLE: 2430406

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	42.2	84	70-134	
1,1,2,2-Tetrachloroethane	ug/L	50	43.6	87	69-130	
1,1,2-Trichloroethane	ug/L	50	46.2	92	70-130	
1,1-Dichloroethane	ug/L	50	46.6	93	70-130	
1,1-Dichloroethene	ug/L	50	44.5	89	74-131	
1,2,4-Trichlorobenzene	ug/L	50	38.4	77	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	38.0	76	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	42.8	86	70-130	
1,2-Dichlorobenzene	ug/L	50	44.4	89	70-130	
1,2-Dichloroethane	ug/L	50	46.8	94	70-137	
1,2-Dichloropropane	ug/L	50	44.9	90	80-121	
1,3-Dichlorobenzene	ug/L	50	42.2	84	70-130	

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP  
Pace Project No.: 40248822

LABORATORY CONTROL SAMPLE: 2430406

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	41.3	83	70-130	
Benzene	ug/L	50	45.7	91	70-130	
Bromodichloromethane	ug/L	50	42.4	85	70-130	
Bromoform	ug/L	50	37.5	75	70-130	
Bromomethane	ug/L	50	40.0	80	21-147	
Carbon tetrachloride	ug/L	50	44.6	89	80-146	
Chlorobenzene	ug/L	50	44.9	90	70-130	
Chloroethane	ug/L	50	46.1	92	52-165	
Chloroform	ug/L	50	45.4	91	80-123	
Chloromethane	ug/L	50	34.2	68	51-122	
cis-1,2-Dichloroethene	ug/L	50	41.2	82	70-130	
cis-1,3-Dichloropropene	ug/L	50	40.0	80	70-130	
Dibromochloromethane	ug/L	50	40.6	81	70-130	
Dichlorodifluoromethane	ug/L	50	24.8	50	25-121	
Ethylbenzene	ug/L	50	45.6	91	80-120	
Isopropylbenzene (Cumene)	ug/L	50	44.8	90	70-130	
Methyl-tert-butyl ether	ug/L	50	38.6	77	70-130	
Methylene Chloride	ug/L	50	45.6	91	70-130	
Styrene	ug/L	50	46.0	92	70-130	
Tetrachloroethene	ug/L	50	43.0	86	70-130	
Toluene	ug/L	50	45.3	91	80-120	
trans-1,2-Dichloroethene	ug/L	50	43.4	87	70-130	
trans-1,3-Dichloropropene	ug/L	50	41.8	84	70-130	
Trichloroethene	ug/L	50	44.1	88	70-130	
Trichlorofluoromethane	ug/L	50	44.3	89	65-160	
Vinyl chloride	ug/L	50	42.2	84	63-134	
Xylene (Total)	ug/L	150	130	87	70-130	
1,2-Dichlorobenzene-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			108	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2431482 2431483

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40248822020	Result	Spike Conc.	Spike Conc.							
1,1,1-Trichloroethane	ug/L	<0.30	50	50	42.2	43.5	84	87	70-134	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	41.9	44.1	84	88	61-135	5	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	46.6	46.6	93	93	70-130	0	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	70.2	70.6	140	141	70-130	0	20	M1
1,1-Dichloroethene	ug/L	<0.58	50	50	47.2	46.8	94	94	71-130	1	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	38.5	38.2	77	76	68-131	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	35.3	38.9	71	78	51-141	10	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	42.0	43.0	84	86	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	43.5	43.5	87	87	70-130	0	20	

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP

Pace Project No.: 40248822

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2431482 2431483												
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40248822020 Result	Spike Conc.	Spike Conc.	MS Result							
1,2-Dichloroethane	ug/L	<0.29	50	50	46.8	46.5	94	93	70-137	0	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	44.6	45.3	89	91	80-121	1	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	43.3	41.6	87	83	70-130	4	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	42.4	40.7	85	81	70-130	4	20	
Benzene	ug/L	<0.30	50	50	45.6	45.0	91	90	70-130	1	20	
Bromodichloromethane	ug/L	<0.42	50	50	42.8	42.9	86	86	70-130	0	20	
Bromoform	ug/L	<3.8	50	50	36.6	38.8	73	78	70-133	6	20	
Bromomethane	ug/L	<1.2	50	50	54.8	52.3	110	105	21-149	5	22	
Carbon tetrachloride	ug/L	<0.37	50	50	45.4	46.1	91	92	80-146	2	20	
Chlorobenzene	ug/L	<0.86	50	50	44.7	44.8	89	90	70-130	0	20	
Chloroethane	ug/L	<1.4	50	50	51.3	50.0	103	100	52-165	3	20	
Chloroform	ug/L	<1.2	50	50	45.1	45.4	90	91	80-123	1	20	
Chloromethane	ug/L	<1.6	50	50	46.9	47.4	94	95	42-125	1	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	41.7	42.1	83	84	70-130	1	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	40.7	39.3	81	79	70-130	4	20	
Dibromochloromethane	ug/L	<2.6	50	50	41.5	41.6	83	83	70-130	0	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	50.0	49.9	100	100	25-121	0	20	
Ethylbenzene	ug/L	<0.33	50	50	45.0	45.9	90	92	80-121	2	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	44.1	44.2	88	88	70-130	0	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	38.8	39.0	78	78	70-130	0	20	
Methylene Chloride	ug/L	<0.32	50	50	47.7	45.8	95	92	70-130	4	20	
Styrene	ug/L	<0.36	50	50	45.8	45.2	92	90	70-132	1	20	
Tetrachloroethene	ug/L	<0.41	50	50	43.1	42.7	86	85	70-130	1	20	
Toluene	ug/L	<0.29	50	50	45.0	45.8	90	92	80-120	2	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	45.2	44.6	90	89	70-130	1	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	41.7	43.2	83	86	70-130	3	20	
Trichloroethene	ug/L	<0.32	50	50	43.6	43.4	87	87	70-130	0	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	48.3	48.2	97	96	65-160	0	20	
Vinyl chloride	ug/L	<0.17	50	50	55.5	55.3	111	111	60-137	0	20	
Xylene (Total)	ug/L	<1.0	150	150	129	129	86	86	70-130	0	20	
1,2-Dichlorobenzene-d4 (S)	%						94	97	70-130			
4-Bromofluorobenzene (S)	%						106	109	70-130			
Toluene-d8 (S)	%						102	105	70-130			

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP  
Pace Project No.: 40248822

QC Batch: 421946 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40248822021, 40248822022, 40248822023, 40248822024, 40248822025, 40248822026

METHOD BLANK: 2430407 Matrix: Water  
Associated Lab Samples: 40248822021, 40248822022, 40248822023, 40248822024, 40248822025, 40248822026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	07/28/22 09:35	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	07/28/22 09:35	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	07/28/22 09:35	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	07/28/22 09:35	
1,1-Dichloroethane	ug/L	<0.30	1.0	07/28/22 09:35	
1,1-Dichloroethene	ug/L	<0.58	1.0	07/28/22 09:35	
1,1-Dichloropropene	ug/L	<0.41	1.0	07/28/22 09:35	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	07/28/22 09:35	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	07/28/22 09:35	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	07/28/22 09:35	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	07/28/22 09:35	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	07/28/22 09:35	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	07/28/22 09:35	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	07/28/22 09:35	
1,2-Dichloroethane	ug/L	<0.29	1.0	07/28/22 09:35	
1,2-Dichloropropane	ug/L	<0.45	1.0	07/28/22 09:35	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	07/28/22 09:35	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	07/28/22 09:35	
1,3-Dichloropropane	ug/L	<0.30	1.0	07/28/22 09:35	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	07/28/22 09:35	
2,2-Dichloropropane	ug/L	<4.2	5.0	07/28/22 09:35	
2-Chlorotoluene	ug/L	<0.89	5.0	07/28/22 09:35	
4-Chlorotoluene	ug/L	<0.89	5.0	07/28/22 09:35	
Benzene	ug/L	<0.30	1.0	07/28/22 09:35	
Bromobenzene	ug/L	<0.36	1.0	07/28/22 09:35	
Bromochloromethane	ug/L	<0.36	5.0	07/28/22 09:35	
Bromodichloromethane	ug/L	<0.42	1.0	07/28/22 09:35	
Bromoform	ug/L	<3.8	5.0	07/28/22 09:35	
Bromomethane	ug/L	<1.2	5.0	07/28/22 09:35	
Carbon tetrachloride	ug/L	<0.37	1.0	07/28/22 09:35	
Chlorobenzene	ug/L	<0.86	1.0	07/28/22 09:35	
Chloroethane	ug/L	<1.4	5.0	07/28/22 09:35	
Chloroform	ug/L	<1.2	5.0	07/28/22 09:35	
Chloromethane	ug/L	<1.6	5.0	07/28/22 09:35	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	07/28/22 09:35	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	07/28/22 09:35	
Dibromochloromethane	ug/L	<2.6	5.0	07/28/22 09:35	
Dibromomethane	ug/L	<0.99	5.0	07/28/22 09:35	
Dichlorodifluoromethane	ug/L	<0.46	5.0	07/28/22 09:35	
Diisopropyl ether	ug/L	<1.1	5.0	07/28/22 09:35	

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

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



### QUALITY CONTROL DATA

Project: 60682984.1F KEP  
Pace Project No.: 40248822

METHOD BLANK: 2430407 Matrix: Water  
Associated Lab Samples: 40248822021, 40248822022, 40248822023, 40248822024, 40248822025, 40248822026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.33	1.0	07/28/22 09:35	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	07/28/22 09:35	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	07/28/22 09:35	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	07/28/22 09:35	
Methylene Chloride	ug/L	<0.32	5.0	07/28/22 09:35	
n-Butylbenzene	ug/L	<0.86	1.0	07/28/22 09:35	
n-Propylbenzene	ug/L	<0.35	1.0	07/28/22 09:35	
Naphthalene	ug/L	<1.1	5.0	07/28/22 09:35	
p-Isopropyltoluene	ug/L	<1.0	5.0	07/28/22 09:35	
sec-Butylbenzene	ug/L	<0.42	1.0	07/28/22 09:35	
Styrene	ug/L	<0.36	1.0	07/28/22 09:35	
tert-Butylbenzene	ug/L	<0.59	1.0	07/28/22 09:35	
Tetrachloroethene	ug/L	<0.41	1.0	07/28/22 09:35	
Toluene	ug/L	<0.29	1.0	07/28/22 09:35	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	07/28/22 09:35	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	07/28/22 09:35	
Trichloroethene	ug/L	<0.32	1.0	07/28/22 09:35	
Trichlorofluoromethane	ug/L	<0.42	1.0	07/28/22 09:35	
Vinyl chloride	ug/L	<0.17	1.0	07/28/22 09:35	
Xylene (Total)	ug/L	<1.0	3.0	07/28/22 09:35	
1,2-Dichlorobenzene-d4 (S)	%	103	70-130	07/28/22 09:35	
4-Bromofluorobenzene (S)	%	93	70-130	07/28/22 09:35	
Toluene-d8 (S)	%	102	70-130	07/28/22 09:35	

LABORATORY CONTROL SAMPLE: 2430408

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	47.0	94	70-134	
1,1,1,2-Tetrachloroethane	ug/L	50	52.3	105	69-130	
1,1,2-Trichloroethane	ug/L	50	50.2	100	70-130	
1,1-Dichloroethane	ug/L	50	48.7	97	70-130	
1,1-Dichloroethene	ug/L	50	51.4	103	74-131	
1,2,4-Trichlorobenzene	ug/L	50	52.0	104	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	42.4	85	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	46.5	93	70-130	
1,2-Dichlorobenzene	ug/L	50	51.9	104	70-130	
1,2-Dichloroethane	ug/L	50	44.9	90	70-137	
1,2-Dichloropropane	ug/L	50	47.3	95	80-121	
1,3-Dichlorobenzene	ug/L	50	51.5	103	70-130	
1,4-Dichlorobenzene	ug/L	50	52.7	105	70-130	
Benzene	ug/L	50	51.7	103	70-130	
Bromodichloromethane	ug/L	50	47.1	94	70-130	
Bromoform	ug/L	50	44.3	89	70-130	
Bromomethane	ug/L	50	34.6	69	21-147	

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP  
Pace Project No.: 40248822

LABORATORY CONTROL SAMPLE: 2430408

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	49.9	100	80-146	
Chlorobenzene	ug/L	50	52.9	106	70-130	
Chloroethane	ug/L	50	49.9	100	52-165	
Chloroform	ug/L	50	48.7	97	80-123	
Chloromethane	ug/L	50	49.4	99	51-122	
cis-1,2-Dichloroethene	ug/L	50	41.7	83	70-130	
cis-1,3-Dichloropropene	ug/L	50	47.9	96	70-130	
Dibromochloromethane	ug/L	50	47.9	96	70-130	
Dichlorodifluoromethane	ug/L	50	24.2	48	25-121	
Ethylbenzene	ug/L	50	55.9	112	80-120	
Isopropylbenzene (Cumene)	ug/L	50	57.7	115	70-130	
Methyl-tert-butyl ether	ug/L	50	47.7	95	70-130	
Methylene Chloride	ug/L	50	54.1	108	70-130	
Styrene	ug/L	50	54.1	108	70-130	
Tetrachloroethene	ug/L	50	51.9	104	70-130	
Toluene	ug/L	50	51.7	103	80-120	
trans-1,2-Dichloroethene	ug/L	50	51.3	103	70-130	
trans-1,3-Dichloropropene	ug/L	50	44.7	89	70-130	
Trichloroethene	ug/L	50	49.8	100	70-130	
Trichlorofluoromethane	ug/L	50	49.2	98	65-160	
Vinyl chloride	ug/L	50	49.2	98	63-134	
Xylene (Total)	ug/L	150	171	114	70-130	
1,2-Dichlorobenzene-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2431659 2431660

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40248822022	Spike Conc.	Spike Conc.	Result								
1,1,1-Trichloroethane	ug/L	<0.30	50	50	46.9	47.5	94	95	70-134	1	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	55.1	53.7	110	107	61-135	3	20		
1,1,2-Trichloroethane	ug/L	<0.34	50	50	49.9	49.6	100	99	70-130	1	20		
1,1-Dichloroethane	ug/L	<0.30	50	50	53.1	55.5	106	111	70-130	4	20		
1,1-Dichloroethene	ug/L	<0.58	50	50	61.0	57.6	122	115	71-130	6	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	52.9	52.4	106	105	68-131	1	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	44.2	39.6	88	79	51-141	11	20		
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	45.9	47.9	92	96	70-130	4	20		
1,2-Dichlorobenzene	ug/L	<0.33	50	50	52.1	53.0	104	106	70-130	2	20		
1,2-Dichloroethane	ug/L	<0.29	50	50	47.8	46.3	96	93	70-137	3	20		
1,2-Dichloropropane	ug/L	<0.45	50	50	49.1	49.4	98	99	80-121	0	20		
1,3-Dichlorobenzene	ug/L	<0.35	50	50	53.0	52.7	106	105	70-130	1	20		
1,4-Dichlorobenzene	ug/L	<0.89	50	50	50.6	50.4	101	101	70-130	0	20		
Benzene	ug/L	<0.30	50	50	51.9	51.7	104	103	70-130	0	20		

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP

Pace Project No.: 40248822

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2431659 2431660												
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40248822022 Result	Spike Conc.	Spike Conc.	Result							
Bromodichloromethane	ug/L	<0.42	50	50	49.2	48.1	98	96	70-130	2	20	
Bromoform	ug/L	<3.8	50	50	43.6	45.1	87	90	70-133	3	20	
Bromomethane	ug/L	<1.2	50	50	42.5	42.3	85	85	21-149	1	22	
Carbon tetrachloride	ug/L	<0.37	50	50	53.2	52.9	106	106	80-146	1	20	
Chlorobenzene	ug/L	<0.86	50	50	52.9	53.2	106	106	70-130	1	20	
Chloroethane	ug/L	<1.4	50	50	59.7	57.0	119	114	52-165	5	20	
Chloroform	ug/L	<1.2	50	50	49.5	53.0	99	106	80-123	7	20	
Chloromethane	ug/L	<1.6	50	50	60.8	54.9	122	110	42-125	10	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	47.0	48.7	94	97	70-130	4	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	48.9	45.1	98	90	70-130	8	20	
Dibromochloromethane	ug/L	<2.6	50	50	49.6	49.1	99	98	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	29.4	27.9	59	56	25-121	5	20	
Ethylbenzene	ug/L	<0.33	50	50	55.6	55.8	111	112	80-121	0	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	55.9	56.0	112	112	70-130	0	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	45.2	47.8	90	96	70-130	6	20	
Methylene Chloride	ug/L	<0.32	50	50	52.3	53.6	105	107	70-130	3	20	
Styrene	ug/L	<0.36	50	50	51.8	54.7	104	109	70-132	5	20	
Tetrachloroethene	ug/L	<0.41	50	50	52.4	50.5	105	101	70-130	4	20	
Toluene	ug/L	<0.29	50	50	52.4	52.5	105	105	80-120	0	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	53.0	54.6	106	109	70-130	3	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	45.2	44.5	90	89	70-130	1	20	
Trichloroethene	ug/L	<0.32	50	50	51.9	50.1	104	100	70-130	3	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	58.4	56.7	117	113	65-160	3	20	
Vinyl chloride	ug/L	<0.17	50	50	62.1	57.7	124	115	60-137	7	20	
Xylene (Total)	ug/L	<1.0	150	150	169	171	113	114	70-130	1	20	
1,2-Dichlorobenzene-d4 (S)	%						102	100	70-130			
4-Bromofluorobenzene (S)	%						96	100	70-130			
Toluene-d8 (S)	%						99	99	70-130			

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP  
Pace Project No.: 40248822

QC Batch: 422223 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40248822016

METHOD BLANK: 2432410 Matrix: Water  
Associated Lab Samples: 40248822016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	08/02/22 07:46	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	08/02/22 07:46	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	08/02/22 07:46	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	08/02/22 07:46	
1,1-Dichloroethane	ug/L	<0.30	1.0	08/02/22 07:46	
1,1-Dichloroethene	ug/L	<0.58	1.0	08/02/22 07:46	
1,1-Dichloropropene	ug/L	<0.41	1.0	08/02/22 07:46	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	08/02/22 07:46	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	08/02/22 07:46	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	08/02/22 07:46	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	08/02/22 07:46	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	08/02/22 07:46	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	08/02/22 07:46	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	08/02/22 07:46	
1,2-Dichloroethane	ug/L	<0.29	1.0	08/02/22 07:46	
1,2-Dichloropropane	ug/L	<0.45	1.0	08/02/22 07:46	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	08/02/22 07:46	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	08/02/22 07:46	
1,3-Dichloropropane	ug/L	<0.30	1.0	08/02/22 07:46	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	08/02/22 07:46	
2,2-Dichloropropane	ug/L	<4.2	5.0	08/02/22 07:46	
2-Chlorotoluene	ug/L	<0.89	5.0	08/02/22 07:46	
4-Chlorotoluene	ug/L	<0.89	5.0	08/02/22 07:46	
Benzene	ug/L	<0.30	1.0	08/02/22 07:46	
Bromobenzene	ug/L	<0.36	1.0	08/02/22 07:46	
Bromochloromethane	ug/L	<0.36	5.0	08/02/22 07:46	
Bromodichloromethane	ug/L	<0.42	1.0	08/02/22 07:46	
Bromoform	ug/L	<3.8	5.0	08/02/22 07:46	
Bromomethane	ug/L	<1.2	5.0	08/02/22 07:46	
Carbon tetrachloride	ug/L	<0.37	1.0	08/02/22 07:46	
Chlorobenzene	ug/L	<0.86	1.0	08/02/22 07:46	
Chloroethane	ug/L	<1.4	5.0	08/02/22 07:46	
Chloroform	ug/L	<1.2	5.0	08/02/22 07:46	
Chloromethane	ug/L	<1.6	5.0	08/02/22 07:46	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	08/02/22 07:46	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	08/02/22 07:46	
Dibromochloromethane	ug/L	<2.6	5.0	08/02/22 07:46	
Dibromomethane	ug/L	<0.99	5.0	08/02/22 07:46	
Dichlorodifluoromethane	ug/L	<0.46	5.0	08/02/22 07:46	
Diisopropyl ether	ug/L	<1.1	5.0	08/02/22 07:46	

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP

Pace Project No.: 40248822

METHOD BLANK: 2432410

Matrix: Water

Associated Lab Samples: 40248822016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.33	1.0	08/02/22 07:46	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	08/02/22 07:46	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	08/02/22 07:46	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	08/02/22 07:46	
Methylene Chloride	ug/L	<0.32	5.0	08/02/22 07:46	
n-Butylbenzene	ug/L	<0.86	1.0	08/02/22 07:46	
n-Propylbenzene	ug/L	<0.35	1.0	08/02/22 07:46	
Naphthalene	ug/L	<1.1	5.0	08/02/22 07:46	
p-Isopropyltoluene	ug/L	<1.0	5.0	08/02/22 07:46	
sec-Butylbenzene	ug/L	<0.42	1.0	08/02/22 07:46	
Styrene	ug/L	<0.36	1.0	08/02/22 07:46	
tert-Butylbenzene	ug/L	<0.59	1.0	08/02/22 07:46	
Tetrachloroethene	ug/L	<0.41	1.0	08/02/22 07:46	
Toluene	ug/L	<0.29	1.0	08/02/22 07:46	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	08/02/22 07:46	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	08/02/22 07:46	
Trichloroethene	ug/L	<0.32	1.0	08/02/22 07:46	
Trichlorofluoromethane	ug/L	<0.42	1.0	08/02/22 07:46	
Vinyl chloride	ug/L	<0.17	1.0	08/02/22 07:46	
Xylene (Total)	ug/L	<1.0	3.0	08/02/22 07:46	
1,2-Dichlorobenzene-d4 (S)	%	105	70-130	08/02/22 07:46	
4-Bromofluorobenzene (S)	%	87	70-130	08/02/22 07:46	
Toluene-d8 (S)	%	104	70-130	08/02/22 07:46	

LABORATORY CONTROL SAMPLE: 2432411

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.9	102	70-134	
1,1,1,2-Tetrachloroethane	ug/L	50	52.9	106	69-130	
1,1,2-Trichloroethane	ug/L	50	51.0	102	70-130	
1,1-Dichloroethane	ug/L	50	54.5	109	70-130	
1,1-Dichloroethene	ug/L	50	53.9	108	74-131	
1,2,4-Trichlorobenzene	ug/L	50	49.0	98	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	40.4	81	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	45.9	92	70-130	
1,2-Dichlorobenzene	ug/L	50	52.8	106	70-130	
1,2-Dichloroethane	ug/L	50	45.3	91	70-137	
1,2-Dichloropropane	ug/L	50	46.7	93	80-121	
1,3-Dichlorobenzene	ug/L	50	51.0	102	70-130	
1,4-Dichlorobenzene	ug/L	50	52.6	105	70-130	
Benzene	ug/L	50	53.3	107	70-130	
Bromodichloromethane	ug/L	50	45.4	91	70-130	
Bromoform	ug/L	50	47.1	94	70-130	
Bromomethane	ug/L	50	33.5	67	21-147	

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP

Pace Project No.: 40248822

LABORATORY CONTROL SAMPLE: 2432411

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	54.5	109	80-146	
Chlorobenzene	ug/L	50	54.4	109	70-130	
Chloroethane	ug/L	50	53.0	106	52-165	
Chloroform	ug/L	50	55.1	110	80-123	
Chloromethane	ug/L	50	37.2	74	51-122	
cis-1,2-Dichloroethene	ug/L	50	46.8	94	70-130	
cis-1,3-Dichloropropene	ug/L	50	46.8	94	70-130	
Dibromochloromethane	ug/L	50	48.5	97	70-130	
Dichlorodifluoromethane	ug/L	50	14.9	30	25-121	
Ethylbenzene	ug/L	50	56.9	114	80-120	
Isopropylbenzene (Cumene)	ug/L	50	59.1	118	70-130	
Methyl-tert-butyl ether	ug/L	50	46.0	92	70-130	
Methylene Chloride	ug/L	50	51.0	102	70-130	
Styrene	ug/L	50	57.5	115	70-130	
Tetrachloroethene	ug/L	50	48.8	98	70-130	
Toluene	ug/L	50	52.2	104	80-120	
trans-1,2-Dichloroethene	ug/L	50	52.6	105	70-130	
trans-1,3-Dichloropropene	ug/L	50	43.6	87	70-130	
Trichloroethene	ug/L	50	47.3	95	70-130	
Trichlorofluoromethane	ug/L	50	46.2	92	65-160	
Vinyl chloride	ug/L	50	43.0	86	63-134	
Xylene (Total)	ug/L	150	178	118	70-130	
1,2-Dichlorobenzene-d4 (S)	%			103	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2432858 2432859

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40249035001 Result	Spike Conc.	Spike Conc.	MSD Result							
1,1,1-Trichloroethane	ug/L	<0.30	50	50	52.5	54.1	105	108	70-134	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	49.9	54.6	100	109	61-135	9	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	51.1	53.9	102	108	70-130	5	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	58.6	55.4	117	111	70-130	5	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	55.7	57.8	111	116	71-130	4	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	46.9	51.2	94	102	68-131	9	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	40.2	42.4	80	85	51-141	5	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	43.4	46.6	87	93	70-130	7	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	51.0	55.9	102	112	70-130	9	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	47.4	50.7	95	101	70-137	7	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	51.4	50.5	103	101	80-121	2	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	50.1	52.1	100	104	70-130	4	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	50.6	55.2	101	110	70-130	9	20	
Benzene	ug/L	<0.30	50	50	52.8	55.1	106	110	70-130	4	20	

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP  
Pace Project No.: 40248822

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2432858		2432859		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40249035001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Bromodichloromethane	ug/L	<0.42	50	50	50.3	50.0	101	100	70-130	1	20	
Bromoform	ug/L	<3.8	50	50	42.5	45.5	85	91	70-133	7	20	
Bromomethane	ug/L	<1.2	50	50	34.2	38.8	68	78	21-149	13	22	
Carbon tetrachloride	ug/L	<0.37	50	50	54.3	52.9	109	106	80-146	3	20	
Chlorobenzene	ug/L	<0.86	50	50	54.2	58.3	108	117	70-130	7	20	
Chloroethane	ug/L	<1.4	50	50	57.4	49.3	115	99	52-165	15	20	
Chloroform	ug/L	<1.2	50	50	53.4	54.5	107	109	80-123	2	20	
Chloromethane	ug/L	<1.6	50	50	35.3	37.5	71	75	42-125	6	20	
cis-1,2-Dichloroethene	ug/L	18.2	50	50	72.6	66.2	109	96	70-130	9	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	43.1	44.9	86	90	70-130	4	20	
Dibromochloromethane	ug/L	<2.6	50	50	48.8	52.9	98	106	70-130	8	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	13.2	12.5	26	25	25-121	5	20	
Ethylbenzene	ug/L	<0.33	50	50	56.3	60.3	113	121	80-121	7	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	57.0	63.0	114	126	70-130	10	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	49.4	48.0	99	96	70-130	3	20	
Methylene Chloride	ug/L	<0.32	50	50	55.3	63.0	111	126	70-130	13	20	
Styrene	ug/L	<0.36	50	50	57.4	59.8	115	120	70-132	4	20	
Tetrachloroethene	ug/L	<0.41	50	50	49.8	54.2	100	108	70-130	9	20	
Toluene	ug/L	<0.29	50	50	52.6	55.3	105	111	80-120	5	20	
trans-1,2-Dichloroethene	ug/L	1.7	50	50	57.3	60.5	111	117	70-130	5	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	38.4	41.1	77	82	70-130	7	20	
Trichloroethene	ug/L	10.5	50	50	61.2	62.9	101	105	70-130	3	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	51.7	52.6	103	105	65-160	2	20	
Vinyl chloride	ug/L	<0.17	50	50	44.9	43.2	90	86	60-137	4	20	
Xylene (Total)	ug/L	<1.0	150	150	172	183	115	122	70-130	6	20	
1,2-Dichlorobenzene-d4 (S)	%						99	105	70-130			
4-Bromofluorobenzene (S)	%						88	98	70-130			
Toluene-d8 (S)	%						102	106	70-130			

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP

Pace Project No.: 40248822

QC Batch: 422148

Analysis Method: SM 4500-S F (2000)

QC Batch Method: SM 4500-S F (2000)

Analysis Description: 4500S2F Sulfide, Iodometric

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40248822005, 40248822011, 40248822012, 40248822013, 40248822014, 40248822015, 40248822016, 40248822026

METHOD BLANK: 2431640

Matrix: Water

Associated Lab Samples: 40248822005, 40248822011, 40248822012, 40248822013, 40248822014, 40248822015, 40248822016, 40248822026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	<1.2	4.0	07/29/22 13:51	

LABORATORY CONTROL SAMPLE: 2431641

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	45.6	46.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2431642 2431643

Parameter	Units	40248749013		MS		MSD		% Rec		% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result	% Rec	% Rec				
Sulfide	mg/L	2.2J	45.6	45.6	42.8	45.2	89	94	80-120	5	10		

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

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



### QUALITY CONTROL DATA

Project: 60682984.1F KEP

Pace Project No.: 40248822

QC Batch:	421943	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: 40248822005, 40248822011, 40248822012, 40248822013, 40248822014, 40248822015, 40248822016, 40248822026

METHOD BLANK: 2430379 Matrix: Water

Associated Lab Samples: 40248822005, 40248822011, 40248822012, 40248822013, 40248822014, 40248822015, 40248822016, 40248822026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	0.58J	2.0	07/29/22 19:59	
Sulfate	mg/L	<0.44	2.0	07/29/22 19:59	

LABORATORY CONTROL SAMPLE: 2430380

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	21.7	109	90-110	
Sulfate	mg/L	20	21.6	108	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2430381 2430382

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40248822005 Result	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	855	2000	2000	3280	2860	121	100	90-110	13	15	M0	
Sulfate	mg/L	120	400	400	587	550	117	107	90-110	7	15	M0	

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP  
Pace Project No.: 40248822

QC Batch:	421962	Analysis Method:	EPA 310.2
QC Batch Method:	EPA 310.2	Analysis Description:	310.2 Alkalinity
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40248822005, 40248822011, 40248822012, 40248822013, 40248822014, 40248822015

METHOD BLANK: 2430450 Matrix: Water  
Associated Lab Samples: 40248822005, 40248822011, 40248822012, 40248822013, 40248822014, 40248822015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	<7.4	25.0	07/28/22 10:01	

LABORATORY CONTROL SAMPLE: 2430451

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	100	99.0	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2430452 2430453

Parameter	Units	2430452		2430453		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	412	200	594	589	91	89	90-110	1	20	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2430454 2430455

Parameter	Units	2430454		2430455		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	178	500	707	698	106	104	90-110	1	20	

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP

Pace Project No.: 40248822

QC Batch: 421963

Analysis Method: EPA 310.2

QC Batch Method: EPA 310.2

Analysis Description: 310.2 Alkalinity

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40248822016, 40248822026

METHOD BLANK: 2430456

Matrix: Water

Associated Lab Samples: 40248822016, 40248822026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	<7.4	25.0	07/28/22 10:34	

LABORATORY CONTROL SAMPLE: 2430457

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	100	99.6	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2430458 2430459

Parameter	Units	MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		40248700001	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	9050	5000	5000	13800	13800	95	95	90-110	0	20		

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP  
Pace Project No.: 40248822

QC Batch:	422318	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40248822005, 40248822011, 40248822012, 40248822013, 40248822014, 40248822015, 40248822016, 40248822026

METHOD BLANK: 2432667 Matrix: Water  
Associated Lab Samples: 40248822005, 40248822011, 40248822012, 40248822013, 40248822014, 40248822015, 40248822016, 40248822026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<14.7	50.0	08/02/22 10:17	

LABORATORY CONTROL SAMPLE: 2432668

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	520	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2432669 2432670

Parameter	Units	40248155002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	27.3J	526	526	573	587	104	106	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2432671 2432672

Parameter	Units	40248749014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	18.0J	526	526	562	571	103	105	90-110	2	10	

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP  
Pace Project No.: 40248822

QC Batch: 422181 Analysis Method: SM 5310C  
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40248822005, 40248822011, 40248822012

METHOD BLANK: 2432271 Matrix: Water

Associated Lab Samples: 40248822005, 40248822011, 40248822012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.14	0.50	08/02/22 12:44	

LABORATORY CONTROL SAMPLE: 2432272

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	12.5	12.4	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2432273 2432274

Parameter	Units	40248749002		40248749003		40248749004		40248749005		% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.				
Total Organic Carbon	mg/L	2.8	6	6	6	8.6	8.7	98	99	80-120	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2432275 2432276

Parameter	Units	40248749003		40248749004		40248749005		40248749006		% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.				
Total Organic Carbon	mg/L	2.5	6	6	6	8.0	7.9	92	90	80-120	1	10	

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

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

### QUALITY CONTROL DATA

Project: 60682984.1F KEP

Pace Project No.: 40248822

---

QC Batch: 422182	Analysis Method: SM 5310C
QC Batch Method: SM 5310C	Analysis Description: 5310C Total Organic Carbon
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40248822013, 40248822014, 40248822015, 40248822016, 40248822026

---

METHOD BLANK: 2432277 Matrix: Water  
Associated Lab Samples: 40248822013, 40248822014, 40248822015, 40248822016, 40248822026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.14	0.50	08/02/22 20:40	

---

LABORATORY CONTROL SAMPLE: 2432278

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	12.5	12.6	101	80-120	

---

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2432279 2432280

Parameter	Units	40248822013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	3.6	6	6	9.3	9.5	96	98	80-120	2	10	

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

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

## QUALIFIERS

Project: 60682984.1F KEP

Pace Project No.: 40248822

---

### DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

1q The internal standard response was below the laboratory acceptance criteria limits confirmed by re-analysis. The results reported are from the most QC compliant analysis. Results may be biased high.

B Analyte was detected in the associated method blank.

CR The dissolved metal result was greater than the total metal result for this element. Results were confirmed by reanalysis.

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

D9 Dissolved result is greater than the total. Data is within laboratory control limits.

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

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

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60682984.1F KEP

Pace Project No.: 40248822

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40248822005	MW-65	EPA 8015B Modified	422118		
40248822011	MW-2201	EPA 8015B Modified	422118		
40248822012	MW-2201D	EPA 8015B Modified	422118		
40248822013	MW-2303	EPA 8015B Modified	422118		
40248822014	PZ-2303	EPA 8015B Modified	422118		
40248822015	MW-2301	EPA 8015B Modified	422118		
40248822016	MW-2301D	EPA 8015B Modified	422118		
40248822026	MW-31	EPA 8015B Modified	422118		
40248822005	MW-65	EPA 3010A	421954	EPA 6020B	422050
40248822011	MW-2201	EPA 3010A	421954	EPA 6020B	422050
40248822012	MW-2201D	EPA 3010A	421954	EPA 6020B	422050
40248822013	MW-2303	EPA 3010A	421954	EPA 6020B	422050
40248822014	PZ-2303	EPA 3010A	421954	EPA 6020B	422050
40248822015	MW-2301	EPA 3010A	421954	EPA 6020B	422050
40248822016	MW-2301D	EPA 3010A	421954	EPA 6020B	422050
40248822026	MW-31	EPA 3010A	421954	EPA 6020B	422050
40248822005	MW-65	EPA 3010A	421953	EPA 6020B	422049
40248822011	MW-2201	EPA 3010A	421953	EPA 6020B	422049
40248822012	MW-2201D	EPA 3010A	421953	EPA 6020B	422049
40248822013	MW-2303	EPA 3010A	421953	EPA 6020B	422049
40248822014	PZ-2303	EPA 3010A	421953	EPA 6020B	422049
40248822015	MW-2301	EPA 3010A	421953	EPA 6020B	422049
40248822016	MW-2301D	EPA 3010A	421953	EPA 6020B	422049
40248822026	MW-31	EPA 3010A	421953	EPA 6020B	422049
40248822001	TB-02	EPA 8260	421945		
40248822002	MW-2203	EPA 8260	421945		
40248822003	PZ-2203	EPA 8260	421945		
40248822004	MW-2202	EPA 8260	421945		
40248822005	MW-65	EPA 8260	421945		
40248822006	MW-2302	EPA 8260	421945		
40248822007	PZ-2302	EPA 8260	421945		
40248822008	PZ-2202	EPA 8260	421945		
40248822009	MW-2105	EPA 8260	421945		
40248822010	PZ-2105	EPA 8260	421945		
40248822011	MW-2201	EPA 8260	421945		
40248822012	MW-2201D	EPA 8260	421945		
40248822013	MW-2303	EPA 8260	421945		
40248822014	PZ-2303	EPA 8260	421945		
40248822015	MW-2301	EPA 8260	421945		
40248822016	MW-2301D	EPA 8260	422223		
40248822017	MW-114	EPA 8260	421945		
40248822018	PZ-118	EPA 8260	421945		
40248822019	MW-113	EPA 8260	421945		
40248822020	MW-79	EPA 8260	421945		
40248822021	PZ-82	EPA 8260	421946		
40248822022	MW-44	EPA 8260	421946		

### REPORT OF LABORATORY ANALYSIS

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



### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60682984.1F KEP  
Pace Project No.: 40248822

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40248822023	MW-81	EPA 8260	421946		
40248822024	MW-80	EPA 8260	421946		
40248822025	MW-108	EPA 8260	421946		
40248822026	MW-31	EPA 8260	421946		
40248822005	MW-65	SM 4500-S F (2000)	422148		
40248822011	MW-2201	SM 4500-S F (2000)	422148		
40248822012	MW-2201D	SM 4500-S F (2000)	422148		
40248822013	MW-2303	SM 4500-S F (2000)	422148		
40248822014	PZ-2303	SM 4500-S F (2000)	422148		
40248822015	MW-2301	SM 4500-S F (2000)	422148		
40248822016	MW-2301D	SM 4500-S F (2000)	422148		
40248822026	MW-31	SM 4500-S F (2000)	422148		
40248822005	MW-65	EPA 300.0	421943		
40248822011	MW-2201	EPA 300.0	421943		
40248822012	MW-2201D	EPA 300.0	421943		
40248822013	MW-2303	EPA 300.0	421943		
40248822014	PZ-2303	EPA 300.0	421943		
40248822015	MW-2301	EPA 300.0	421943		
40248822016	MW-2301D	EPA 300.0	421943		
40248822026	MW-31	EPA 300.0	421943		
40248822005	MW-65	EPA 310.2	421962		
40248822011	MW-2201	EPA 310.2	421962		
40248822012	MW-2201D	EPA 310.2	421962		
40248822013	MW-2303	EPA 310.2	421962		
40248822014	PZ-2303	EPA 310.2	421962		
40248822015	MW-2301	EPA 310.2	421962		
40248822016	MW-2301D	EPA 310.2	421963		
40248822026	MW-31	EPA 310.2	421963		
40248822005	MW-65	EPA 410.4	422318	EPA 410.4	422365
40248822011	MW-2201	EPA 410.4	422318	EPA 410.4	422365
40248822012	MW-2201D	EPA 410.4	422318	EPA 410.4	422365
40248822013	MW-2303	EPA 410.4	422318	EPA 410.4	422365
40248822014	PZ-2303	EPA 410.4	422318	EPA 410.4	422365
40248822015	MW-2301	EPA 410.4	422318	EPA 410.4	422365
40248822016	MW-2301D	EPA 410.4	422318	EPA 410.4	422365
40248822026	MW-31	EPA 410.4	422318	EPA 410.4	422365
40248822005	MW-65	SM 5310C	422181		
40248822011	MW-2201	SM 5310C	422181		
40248822012	MW-2201D	SM 5310C	422181		
40248822013	MW-2303	SM 5310C	422182		
40248822014	PZ-2303	SM 5310C	422182		
40248822015	MW-2301	SM 5310C	422182		
40248822016	MW-2301D	SM 5310C	422182		
40248822026	MW-31	SM 5310C	422182		

### REPORT OF LABORATORY ANALYSIS

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



# CHAIN-OF-CUSTODY / Analytical Request Document

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

*40248822*

Page: 1 of 3

<b>Section A</b> Required Client Information:	<b>Section B</b> Required Project Information:	<b>Section C</b> Invoice Information:
Company: AECOM - Milw	Report To: Lanette Altenbach	Attention: Accounts Payable/Finance Department
Address: 1555 N. River Center Dr., Suite 214	Copy To:	Company Name: City of Kenosha
Milwaukee, WI 53212		Address: 652 52nd St., Kenosha, WI 53140
Email To: Lanette.Altенbach@aecom.com	Purchase Order No.: 200476- <i>Ken 07/20/22</i>	Pace Quote Reference:
Phone: 414-577-1363 Fax:	Project Name: KEP <i>See invoice</i>	Pace Project Manager: Chris Hyska
Requested Due Date/TAT: Standard	Project Number: 60646404+2 <i>Ken 07/20/22 60602904.1F</i>	Pace Profile #: (2430) Kenosha work

**REGULATORY AGENCY**

NPDES  GROUND WATER  DRINKING WATER

UST  RCRA  OTHER \_\_\_\_\_

**SITE LOCATION**

GA  IL  IN  MI  NC

OH  SC  WI  OTHER \_\_\_\_\_

Filtered (Y/N)    *N N N N N Y N N*

Requested Analytes:

VOCs 8260	<i>N</i>
TOC	<i>N</i>
Alkalinity, Cl, SO <sub>4</sub>	<i>N</i>
Methane Ethane Ethene Ethyne	<i>N</i>
Total Metals	<i>N</i>
Dis. Metals	<i>N</i>
Sulfide	<i>N</i>
COD	<i>N</i>
Residual Chlorine (Y/N)	<i>N</i>

Pace Project Number Lab I.D.

ITEM #	Section D Required Client Information		MATRIX CODE	SAMPLE TYPE G-GRAB C-COMP	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Requested Analytes	Pace Project Number Lab I.D.									
	SAMPLE ID				COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other			VOCs 8260	TOC	Alkalinity, Cl, SO <sub>4</sub>	Methane Ethane Ethene Ethyne	Total Metals	Dis. Metals	Sulfide	COD	Residual Chlorine (Y/N)
	One Character per box. (A-Z, 0-9 / -)				DATE	TIME	DATE	TIME																					
	Samples IDs MUST BE UNIQUE																												
1	TB-02		WT	G	/	/	07/26	0730		2															001				
2	MW-2203		WT		/	/		0800		3																002			
3	PZ-2203		WT		/	/		0840		3																003			
4	MW-2202		WT		/	/		0940		3																004			
5	MW-65		WT		/	/		0940		12	1	2	2	6	1											005			
6	MW-2302		WT		/	/		0920		3																006			
7	PZ-2302		WT		/	/		1000		3																007			
8	PZ-2202		WT		/	/		1020		3																008			
9	MW-2105		WT		/	/		1100		3																009			
10	PZ-2105		WT		/	/		1050		3																010			
11	MW-2201		WT		/	/		1230		12	1	2	2	6	1											011			
12	MW-2201 D		WT	V	/	/	V	1230		12	1	2	2	6	1											012			

Additional Comments:

Total Metals: Fe, Mn

Dissolved Metals: Fe, Mn, Ba, Cr, Pb, Ni

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
<i>Keith Nielsen KEN AECOM</i>	<i>07/26</i>						Y/N	Y/N	Y/N
<i>Cs Logistics</i>	<i>7/27/22</i>	<i>825</i>	<i>Mary Del pure</i>	<i>7/27/22</i>	<i>825</i>	<i>.3°/3°</i>	Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER: *Keith Nielsen*

SIGNATURE of SAMPLER: *Keith Nielsen* DATE Signed (MM/DD/YY): *07/26/22 @ 1700*

Temp in °C: \_\_\_\_\_

Received on Ice:

Custody Sealed Cooler:

Samples intact:



# CHAIN-OF-CUSTODY / Analytical Request Document

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

40248822

Page: 2 of 3

<b>Section A</b> Required Client Information:	<b>Section B</b> Required Project Information:	<b>Section C</b> Invoice Information:
Company: AECOM - Milw	Report To: Lanette Altenbach	Attention: Accounts Payable/Finance Department
Address: 1555 N. River Center Dr., Suite 214	Copy To:	Company Name: City of Kenosha
Milwaukee, WI 53212		Address: 652 52nd St., Kenosha, WI 53140
Email To: Lanette.Altenschmidt@aecom.com	Purchase Order No.: 200478 <i>Ken 07/26/22</i>	Pace Quote Reference:
Phone: 414-577-1363 Fax:	Project Name: KEP <i>Ken Lanette</i>	Pace Project Manager: Chris Hyska
Requested Due Date/TAT: Standard	Project Number: 60682984.1F <i>Ken 07/26/22</i>	Pace Profile #: (2430) Kenosha work

REGULATORY AGENCY	
<input type="checkbox"/> NPDES	<input checked="" type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER
<input type="checkbox"/> UST	<input type="checkbox"/> RCRA <input type="checkbox"/> OTHER
SITE	<input type="checkbox"/> GA <input type="checkbox"/> IL <input type="checkbox"/> IN <input type="checkbox"/> MI <input type="checkbox"/> NC
LOCATION	<input type="checkbox"/> OH <input type="checkbox"/> SC <input checked="" type="checkbox"/> WI <input type="checkbox"/> OTHER
Filtered (Y/N)	N N N N N Y N N

ITEM #	Section D Required Client Information		COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Requested Analytes	Pace Project Number Lab I.D.										
	SAMPLE ID One Character per box. (A-Z, 0-9 / . :)	MATRIX CODE	SAMPLE TYPE G-GRAB C-COMP	COMPOSITE START		COMPOSITE END/GRAB			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other			VOCs 8260	TOC	Alkalinity, Cl, SO <sub>4</sub>	Methane Ethane Ethene	Total Metals	Dis. Metals	Sulfide	COD	Residual Chlorine (Y/N)	
				DATE	TIME	DATE																						TIME
				Valid Matrix Codes																								
1	MW-2303	WT	G	/	/	07/26	1225	12	1	2	2	6	1													013		
2	PZ-2303	WT		/	/		1335	12	1	2	2	6	1													014		
3	MW-2301	WT		/	/		1520	12	1	2	2	6	1													015		
4	MW-2301D	WT		/	/		1520	12	1	2	2	6	1													016		
5	<del>XXXXXXXXXX</del>	WT		/	/			12	1	2	2	6	1															
6	<del>XXXXXXXXXX</del>	WT		/	/			12	1	2	2	6	1															
7	MW-114	WT		/	/		1430	3			3															017		
8	PZ-118	WT		/	/		1505	3			3															018		
9	MW-113	WT		/	/		1530	3			3															019		
10	MW-79	WT		/	/		1045	3			3															020		
11	PZ-82	WT		/	/		1335	3			3															021		
12	MW-44	WT		/	/		1435	3			3															022		

Additional Comments:  
Total Metals: Fe, Mn  
Dissolved Metals: Fe, Mn, Ba, Cr, Pb, Ni

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Keith Nielson AECOM	07/26						Y	Y	Y
Logistics	7/27/22	825	Morgan D. Pace	7/27/22	825	0.3/3	Y	Y	Y
							Y	Y	Y
							Y	Y	Y

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
PRINT Name of SAMPLER:	Keith Nielson				
SIGNATURE of SAMPLER:	Keith Nielson				
DATE Signed (MM/DD/YY)					
07/26/22 @ 1700					

Section A Required Client Information: Company: AECOM - Milw Address: 1555 N. River Center Dr., Suite 214 Milwaukee, WI 53212 Email To: Lanette.Altenbach@aecom.com Phone: 414-577-1363 Fax: Requested Due Date/TAT: Standard

Section B Required Project Information: Report To: Lanette Altenbach Copy To: Purchase Order No.: 200478 EA 100110 Project Name: KEP Project Number: 60640104-2 60652924.1F

Section C Invoice Information: Attention: Accounts Payable/Finance Department Company Name: City of Kenosha Address: 652 52nd St., Kenosha, WI 53140 Pace Quote Reference: Pace Project Manager: Chris Hyska Pace Profile #: (2430) Kenosha work

REGULATORY AGENCY: NPDES, GROUND WATER, DRINKING WATER, UST, RCRA, OTHER. SITE LOCATION: GA, IL, IN, MI, NC, OH, SC, WI, OTHER. Filtered (Y/N): N, N, N, N, N, Y, N, N.

Table with columns: ITEM #, Section D Required Client Information (SAMPLE ID), Valid Matrix Codes (MATRIX, CODE), COLLECTED (DATE, TIME), SAMPLE TEMP AT COLLECTION, # OF CONTAINERS, Preservatives (Unpreserved, H2SO4, HNO3, HCl, NaOH, Na2S2O3, Methanol, Other), Requested Analytes (VOCs, TOC, Alkalinity, etc.), Pace Project Number Lab I.D.

Additional Comments: Total Metals: Fe, Mn Dissolved Metals: Fe, Mn, Ba, Cr, Pb, Ni Received "MW-31" in shipment, added to COC by lab per PM 7/27/22 mp

Table for RELINQUISHED BY / AFFILIATION and ACCEPTED BY / AFFILIATION with columns for DATE, TIME, and SAMPLE CONDITIONS (Y/N).

SAMPLER NAME AND SIGNATURE: PRINT Name of SAMPLER: Keith Nielson SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 07/26/22 @ 1700

\*\*Analysis confirmed for MW-31 per Keith N-AECOM. 7/27/22 CDH

**Sample Preservation Receipt Form**

Client Name: Aecom

Project # 40248822

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

Initial when completed: MP Date/Time:

Lab Lot# of pH paper: 1003111 Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass						Plastic					Vials					Jars				General			VOA Vials (>6mm) *	H <sub>2</sub> SO <sub>4</sub> pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO <sub>3</sub> 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				1						1	2	1																										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				1						1	2	1																										2.5 / 5 / 10
012				1						1	2	1																										2.5 / 5 / 10
013				1						1	2	1																										2.5 / 5 / 10
014				1						1	2	1																										2.5 / 5 / 10
015				1						1	2	1																										2.5 / 5 / 10
016				1						1	2	1																										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	500 mL poly NaOH+Zn Ace.
BG3U	250 mL clear glass unpres						

Client Name: Aecom

Sample Preservation Receipt Form  
 Project #: 40248822

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	WGFU	WPFU	SP5T	ZPLC	GN																														
21																																				2.5 / 5 / 10																											
22																																				2.5 / 5 / 10																											
23																																				2.5 / 5 / 10																											
24																																				2.5 / 5 / 10																											
25																																				2.5 / 5 / 10																											
26				1					1		2	1				6															X	X		X		2.5 / 5 / 10																											
/																																																														2.5 / 5 / 10	
/																																																															2.5 / 5 / 10
/																																																															2.5 / 5 / 10
/																																																															2.5 / 5 / 10
/																																																															2.5 / 5 / 10
/																																																															2.5 / 5 / 10
/																																																															2.5 / 5 / 10
/																																																															2.5 / 5 / 10
/																																																															2.5 / 5 / 10
/																																																															2.5 / 5 / 10
/																																																															2.5 / 5 / 10
/																																																															2.5 / 5 / 10
/																																																															2.5 / 5 / 10
/																																																															2.5 / 5 / 10
/																																																															2.5 / 5 / 10
/																																																															2.5 / 5 / 10
/																																																															2.5 / 5 / 10
/																																																															2.5 / 5 / 10
/																																																															2.5 / 5 / 10
/																																																															2.5 / 5 / 10
/																																																															2.5 / 5 / 10
/																																																															2.5 / 5 / 10


up 7/26/22

Sample Condition Upon Receipt Form (SCUR)

Client Name: Accom

Project #:

WO#: 40248822



40248822

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Waltco  
 Client  Pace Other: \_\_\_\_\_

Tracking #: \_\_\_\_\_

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

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

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used SR - 107 Type of Ice:  Wet  Blue Dry None

Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 0.5°/0.5° Corr: 3°/3°

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: 7/27/22 Initials: mp  
 Labeled By Initials: SKU

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. <u>+CC 7/27/22 mp</u>
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>486</u>		

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: Client returned three HCL vials 7/27/22 mp

received "MW-31" in shipment and added to CCR per PM by lab 7/27/22 mp

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

7/27/22 mp  
 Page 8 of \_\_\_\_\_  
3 of 3

August 08, 2022

Lanette Altenbach  
AECOM, Inc.  
1555 N River Center Drive  
Suite 214  
Milwaukee, WI 53212

RE: Project: 60646104.2 KEP  
Pace Project No.: 40248902

Dear Lanette Altenbach:

Enclosed are the analytical results for sample(s) received by the laboratory on July 28, 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,



Christopher Hyska  
christopher.hyska@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: Keith Nielsen, AECOM



## REPORT OF LABORATORY ANALYSIS

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



## CERTIFICATIONS

Project: 60646104.2 KEP

Pace Project No.: 40248902

---

### **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

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

## SAMPLE SUMMARY

Project: 60646104.2 KEP

Pace Project No.: 40248902

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40248902001	TRIP BLANK 3	Water	07/27/22 06:00	07/28/22 08:00
40248902002	MW-82	Water	07/26/22 12:30	07/28/22 08:00
40248902003	MW-82D	Water	07/26/22 12:30	07/28/22 08:00
40248902004	MW-2106	Water	07/26/22 10:10	07/28/22 08:00
40248902005	MW-2113	Water	07/26/22 11:15	07/28/22 08:00
40248902006	PZ-2113	Water	07/26/22 12:00	07/28/22 08:00
40248902007	MW-2103	Water	07/26/22 13:10	07/28/22 08:00
40248902008	MW-2103D	Water	07/26/22 13:10	07/28/22 08:00
40248902009	PZ-2103	Water	07/26/22 14:15	07/28/22 08:00
40248902010	PZ-2103D	Water	07/26/22 14:15	07/28/22 08:00
40248902011	MW-2111	Water	07/26/22 11:45	07/28/22 08:00
40248902012	PZ-2111	Water	07/26/22 13:00	07/28/22 08:00
40248902013	PZ-2301	Water	07/26/22 10:05	07/28/22 08:00
40248902014	PZ-2301D	Water	07/26/22 10:05	07/28/22 08:00
40248902015	MW-2101	Water	07/26/22 14:25	07/28/22 08:00
40248902016	PZ-2101	Water	07/26/22 15:25	07/28/22 08:00

## REPORT OF LABORATORY ANALYSIS

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

### SAMPLE ANALYTE COUNT

Project: 60646104.2 KEP  
Pace Project No.: 40248902

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40248902001	TRIP BLANK 3	EPA 8260	LAP	63	PASI-G
40248902002	MW-82	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	ALD, EIB	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40248902003	MW-82D	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	ALD, EIB	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40248902004	MW-2106	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	10	PASI-G
		EPA 8260	ALD	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40248902005	MW-2113	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	ALD	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G

### REPORT OF LABORATORY ANALYSIS

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

### SAMPLE ANALYTE COUNT

Project: 60646104.2 KEP  
Pace Project No.: 40248902

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40248902006	PZ-2113	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	ALD	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40248902007	MW-2103	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	10	PASI-G
		EPA 8260	ALD	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40248902008	MW-2103D	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	10	PASI-G
		EPA 8260	ALD	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40248902009	PZ-2103	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	10	PASI-G
		EPA 8260	EIB	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40248902010	PZ-2103D	EPA 8015B Modified	KHB	3	PASI-G

### REPORT OF LABORATORY ANALYSIS

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

### SAMPLE ANALYTE COUNT

Project: 60646104.2 KEP  
Pace Project No.: 40248902

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	10	PASI-G
		EPA 8260	EIB	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
<b>40248902011</b>	<b>MW-2111</b>	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	ALD, EIB	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
<b>40248902012</b>	<b>PZ-2111</b>	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	ALD	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
<b>40248902013</b>	<b>PZ-2301</b>	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	ALD, EIB	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
<b>40248902014</b>	<b>PZ-2301D</b>	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6020B	KXS	2	PASI-G

### REPORT OF LABORATORY ANALYSIS

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

### SAMPLE ANALYTE COUNT

Project: 60646104.2 KEP  
Pace Project No.: 40248902

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020B	KXS	6	PASI-G
		EPA 8260	ALD	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
<b>40248902015</b>	<b>MW-2101</b>	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	10	PASI-G
		EPA 8260	ALD, EIB	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
<b>40248902016</b>	<b>PZ-2101</b>	EPA 8015B Modified	KHB	3	PASI-G
		EPA 6020B	KXS	2	PASI-G
		EPA 6020B	KXS	10	PASI-G
		EPA 8260	EIB	63	PASI-G
		SM 4500-S F (2000)	EXM	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 310.2	DAW	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G
		SM 5310C	TJJ	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: 60646104.2 KEP

Pace Project No.: 40248902

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40248902002</b>	<b>MW-82</b>					
EPA 8015B Modified	Ethane	13.4	ug/L	5.6	08/01/22 10:26	
EPA 8015B Modified	Ethane	13.3	ug/L	5.0	08/01/22 10:26	
EPA 8015B Modified	Methane	5640	ug/L	140	08/01/22 13:48	
EPA 6020B	Iron	45.2	mg/L	2.5	08/04/22 07:08	
EPA 6020B	Manganese	0.31	mg/L	0.040	08/04/22 07:08	
EPA 6020B	Barium, Dissolved	0.018	mg/L	0.0023	08/04/22 03:00	
EPA 6020B	Manganese, Dissolved	0.013	mg/L	0.0040	08/04/22 03:00	
EPA 6020B	Nickel, Dissolved	0.00038J	mg/L	0.0010	08/04/22 03:00	
EPA 8260	Vinyl chloride	0.26J	ug/L	1.0	08/01/22 11:50	
EPA 300.0	Chloride	139	mg/L	20.0	08/01/22 14:27	
EPA 300.0	Sulfate	18.2J	mg/L	20.0	08/01/22 14:27	D3
EPA 310.2	Alkalinity, Total as CaCO3	259	mg/L	125	08/08/22 10:48	
EPA 410.4	Chemical Oxygen Demand	2230	mg/L	1000	08/03/22 08:39	
SM 5310C	Total Organic Carbon	6.0	mg/L	3.0	08/03/22 10:27	
<b>40248902003</b>	<b>MW-82D</b>					
EPA 8015B Modified	Ethane	15.4	ug/L	5.6	08/01/22 10:33	
EPA 8015B Modified	Ethane	16.2	ug/L	5.0	08/01/22 10:33	
EPA 8015B Modified	Methane	5180	ug/L	140	08/01/22 13:55	
EPA 6020B	Iron	38.7	mg/L	2.5	08/04/22 07:38	
EPA 6020B	Manganese	0.25	mg/L	0.040	08/04/22 07:38	
EPA 6020B	Barium, Dissolved	0.018	mg/L	0.0023	08/04/22 03:14	
EPA 6020B	Chromium, Dissolved	0.0022J	mg/L	0.0034	08/04/22 03:14	
EPA 6020B	Manganese, Dissolved	0.013	mg/L	0.0040	08/04/22 03:14	
EPA 6020B	Nickel, Dissolved	0.0014	mg/L	0.0010	08/04/22 03:14	
EPA 8260	Vinyl chloride	0.28J	ug/L	1.0	08/01/22 12:11	
SM 4500-S F (2000)	Sulfide	28.0J	mg/L	79.7	07/29/22 14:33	D3
EPA 300.0	Chloride	126	mg/L	20.0	08/01/22 14:42	
EPA 300.0	Sulfate	10.3J	mg/L	20.0	08/01/22 14:42	D3
EPA 410.4	Chemical Oxygen Demand	3640	mg/L	1000	08/03/22 08:39	
SM 5310C	Total Organic Carbon	8.0	mg/L	3.0	08/03/22 11:24	M0
<b>40248902004</b>	<b>MW-2106</b>					
EPA 8015B Modified	Ethane	5.7	ug/L	5.6	08/01/22 10:39	
EPA 8015B Modified	Ethane	359	ug/L	5.0	08/01/22 10:39	
EPA 8015B Modified	Methane	1690	ug/L	28.0	08/01/22 14:01	
EPA 6020B	Iron	2.4	mg/L	0.25	08/04/22 06:39	
EPA 6020B	Manganese	0.25	mg/L	0.0040	08/04/22 06:39	
EPA 6020B	Barium, Dissolved	0.32	mg/L	0.023	08/02/22 14:58	
EPA 6020B	Calcium, Dissolved	189	mg/L	2.5	08/02/22 14:58	P6
EPA 6020B	Iron, Dissolved	1.8	mg/L	0.25	08/04/22 02:30	
EPA 6020B	Magnesium, Dissolved	51.8	mg/L	2.5	08/02/22 14:58	P6
EPA 6020B	Manganese, Dissolved	0.29	mg/L	0.040	08/02/22 14:58	D9
EPA 6020B	Nickel, Dissolved	0.0025	mg/L	0.0010	08/04/22 02:30	
EPA 6020B	Potassium, Dissolved	15.0	mg/L	0.79	08/04/22 02:30	
EPA 6020B	Sodium, Dissolved	93.6	mg/L	2.5	08/02/22 14:58	P6
EPA 8260	cis-1,2-Dichloroethene	128	ug/L	20.0	08/01/22 14:15	
EPA 8260	Vinyl chloride	2360	ug/L	20.0	08/01/22 14:15	

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: 60646104.2 KEP

Pace Project No.: 40248902

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40248902004</b>	<b>MW-2106</b>					
EPA 300.0	Chloride	75.6	mg/L	20.0	08/01/22 14:56	
EPA 300.0	Sulfate	147	mg/L	20.0	08/01/22 14:56	
EPA 310.2	Alkalinity, Total as CaCO3	623	mg/L	125	08/08/22 10:50	
EPA 410.4	Chemical Oxygen Demand	219	mg/L	50.0	08/03/22 08:39	
SM 5310C	Total Organic Carbon	44.2	mg/L	15.0	08/03/22 12:40	
<b>40248902005</b>	<b>MW-2113</b>					
EPA 8015B Modified	Ethane	3.7J	ug/L	5.6	08/01/22 10:46	
EPA 8015B Modified	Ethene	234	ug/L	5.0	08/01/22 10:46	
EPA 8015B Modified	Methane	4140	ug/L	70.0	08/01/22 14:08	
EPA 6020B	Iron	1.7	mg/L	0.25	08/04/22 07:45	
EPA 6020B	Manganese	0.20	mg/L	0.0040	08/04/22 07:45	
EPA 6020B	Barium, Dissolved	0.21	mg/L	0.0023	08/04/22 03:22	
EPA 6020B	Iron, Dissolved	1.4	mg/L	0.25	08/04/22 03:22	
EPA 6020B	Manganese, Dissolved	0.18	mg/L	0.0040	08/04/22 03:22	
EPA 6020B	Nickel, Dissolved	0.0087	mg/L	0.0010	08/04/22 03:22	
EPA 8260	cis-1,2-Dichloroethene	24.1	ug/L	10.0	08/01/22 19:19	
EPA 8260	trans-1,2-Dichloroethene	10.7	ug/L	10.0	08/01/22 19:19	
EPA 8260	Vinyl chloride	1300	ug/L	10.0	08/01/22 19:19	
SM 4500-S F (2000)	Sulfide	2.2J	mg/L	4.0	07/29/22 14:39	
EPA 300.0	Chloride	52.2	mg/L	20.0	08/01/22 15:55	
EPA 300.0	Sulfate	214	mg/L	20.0	08/01/22 15:55	
EPA 310.2	Alkalinity, Total as CaCO3	532	mg/L	125	08/08/22 10:54	
EPA 410.4	Chemical Oxygen Demand	94.0	mg/L	50.0	08/03/22 08:39	
SM 5310C	Total Organic Carbon	20.1	mg/L	15.0	08/03/22 12:53	
<b>40248902006</b>	<b>PZ-2113</b>					
EPA 8015B Modified	Ethane	506	ug/L	5.6	08/01/22 10:53	
EPA 8015B Modified	Ethene	2030	ug/L	250	08/01/22 14:15	
EPA 8015B Modified	Methane	5410	ug/L	140	08/01/22 14:15	
EPA 6020B	Iron	180	mg/L	0.50	08/04/22 07:52	
EPA 6020B	Manganese	0.55	mg/L	0.0081	08/04/22 07:52	
EPA 6020B	Barium, Dissolved	1.1	mg/L	0.0047	08/04/22 03:51	
EPA 6020B	Iron, Dissolved	183	mg/L	0.50	08/04/22 03:51	D9
EPA 6020B	Manganese, Dissolved	0.61	mg/L	0.0081	08/04/22 03:51	D9
EPA 8260	cis-1,2-Dichloroethene	108	ug/L	5.0	08/01/22 19:40	
EPA 8260	trans-1,2-Dichloroethene	14.7	ug/L	5.0	08/01/22 19:40	
EPA 8260	Trichloroethene	1.8J	ug/L	5.0	08/01/22 19:40	
EPA 8260	Vinyl chloride	835	ug/L	5.0	08/01/22 19:40	
EPA 300.0	Chloride	318	mg/L	20.0	08/01/22 16:09	
EPA 310.2	Alkalinity, Total as CaCO3	1610	mg/L	125	08/08/22 10:55	
EPA 410.4	Chemical Oxygen Demand	4040	mg/L	400	08/03/22 08:39	
SM 5310C	Total Organic Carbon	1080	mg/L	50.0	08/03/22 13:07	
<b>40248902007</b>	<b>MW-2103</b>					
EPA 8015B Modified	Ethane	1.6J	ug/L	5.6	08/01/22 11:00	
EPA 8015B Modified	Ethene	952	ug/L	25.0	08/01/22 14:22	
EPA 8015B Modified	Methane	118	ug/L	2.8	08/01/22 11:00	
EPA 6020B	Iron	8.1	mg/L	0.25	08/04/22 08:00	

### REPORT OF LABORATORY ANALYSIS

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



### SUMMARY OF DETECTION

Project: 60646104.2 KEP

Pace Project No.: 40248902

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40248902007</b>	<b>MW-2103</b>					
EPA 6020B	Manganese	0.60	mg/L	0.0040	08/04/22 08:00	
EPA 6020B	Barium, Dissolved	0.28	mg/L	0.0023	08/04/22 03:58	
EPA 6020B	Calcium, Dissolved	361	mg/L	2.5	08/04/22 17:06	
EPA 6020B	Iron, Dissolved	15.1	mg/L	0.25	08/04/22 03:58	CR
EPA 6020B	Magnesium, Dissolved	75.8	mg/L	0.25	08/04/22 03:58	
EPA 6020B	Manganese, Dissolved	0.76	mg/L	0.0040	08/04/22 03:58	CR
EPA 6020B	Nickel, Dissolved	0.00081J	mg/L	0.0010	08/04/22 03:58	
EPA 6020B	Potassium, Dissolved	6.1	mg/L	0.79	08/04/22 03:58	
EPA 6020B	Sodium, Dissolved	185	mg/L	0.25	08/04/22 03:58	
EPA 8260	1,1-Dichloroethene	24.1	ug/L	20.0	08/01/22 14:36	
EPA 8260	cis-1,2-Dichloroethene	5770	ug/L	20.0	08/01/22 14:36	
EPA 8260	trans-1,2-Dichloroethene	92.0	ug/L	20.0	08/01/22 14:36	
EPA 8260	Vinyl chloride	1090	ug/L	20.0	08/01/22 14:36	
SM 4500-S F (2000)	Sulfide	1.6J	mg/L	4.0	07/29/22 14:43	
EPA 300.0	Chloride	146	mg/L	40.0	08/01/22 16:23	
EPA 300.0	Sulfate	17.1J	mg/L	40.0	08/01/22 16:23	D3
EPA 310.2	Alkalinity, Total as CaCO3	971	mg/L	125	08/08/22 10:56	
EPA 410.4	Chemical Oxygen Demand	450	mg/L	50.0	08/03/22 08:39	
SM 5310C	Total Organic Carbon	142	mg/L	15.0	08/03/22 13:21	
<b>40248902008</b>	<b>MW-2103D</b>					
EPA 8015B Modified	Ethane	1.7J	ug/L	5.6	08/01/22 11:07	
EPA 8015B Modified	Ethene	928	ug/L	25.0	08/01/22 14:29	
EPA 8015B Modified	Methane	125	ug/L	2.8	08/01/22 11:07	
EPA 6020B	Iron	7.9	mg/L	0.25	08/04/22 08:07	
EPA 6020B	Manganese	0.60	mg/L	0.0040	08/04/22 08:07	
EPA 6020B	Barium, Dissolved	0.22	mg/L	0.0023	08/04/22 04:06	
EPA 6020B	Calcium, Dissolved	258	mg/L	2.5	08/04/22 17:13	
EPA 6020B	Iron, Dissolved	7.4	mg/L	0.25	08/04/22 04:06	
EPA 6020B	Magnesium, Dissolved	57.8	mg/L	0.25	08/04/22 04:06	
EPA 6020B	Manganese, Dissolved	0.61	mg/L	0.0040	08/04/22 04:06	D9
EPA 6020B	Nickel, Dissolved	0.00070J	mg/L	0.0010	08/04/22 04:06	
EPA 6020B	Potassium, Dissolved	7.1	mg/L	0.79	08/04/22 04:06	
EPA 6020B	Sodium, Dissolved	141	mg/L	0.25	08/04/22 04:06	
EPA 8260	1,1-Dichloroethene	20.8	ug/L	20.0	08/01/22 14:57	
EPA 8260	cis-1,2-Dichloroethene	4960	ug/L	20.0	08/01/22 14:57	
EPA 8260	trans-1,2-Dichloroethene	61.4	ug/L	20.0	08/01/22 14:57	
EPA 8260	Vinyl chloride	1230	ug/L	20.0	08/01/22 14:57	
SM 4500-S F (2000)	Sulfide	2.2J	mg/L	4.0	07/29/22 14:46	
EPA 300.0	Chloride	146	mg/L	40.0	08/01/22 16:38	
EPA 300.0	Sulfate	18.8J	mg/L	40.0	08/01/22 16:38	D3
EPA 310.2	Alkalinity, Total as CaCO3	981	mg/L	125	08/08/22 10:57	
EPA 410.4	Chemical Oxygen Demand	509	mg/L	100	08/03/22 08:39	
SM 5310C	Total Organic Carbon	134	mg/L	15.0	08/03/22 13:34	
<b>40248902009</b>	<b>PZ-2103</b>					
EPA 8015B Modified	Ethane	281	ug/L	5.6	08/01/22 11:14	pH
EPA 8015B Modified	Ethene	1430	ug/L	50.0	08/01/22 14:36	pH

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: 60646104.2 KEP

Pace Project No.: 40248902

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40248902009</b>	<b>PZ-2103</b>					
EPA 8015B Modified	Methane	66.3	ug/L	2.8	08/01/22 11:14	pH
EPA 6020B	Iron	18.4	mg/L	2.5	08/04/22 08:14	
EPA 6020B	Manganese	0.88	mg/L	0.040	08/04/22 08:14	
EPA 6020B	Barium, Dissolved	0.045J	mg/L	0.047	08/04/22 04:42	D3
EPA 6020B	Calcium, Dissolved	362	mg/L	5.1	08/04/22 04:42	
EPA 6020B	Iron, Dissolved	19.2	mg/L	5.0	08/04/22 04:42	D9
EPA 6020B	Magnesium, Dissolved	291	mg/L	5.0	08/04/22 04:42	
EPA 6020B	Manganese, Dissolved	0.88	mg/L	0.081	08/04/22 04:42	
EPA 6020B	Nickel, Dissolved	0.0071J	mg/L	0.020	08/04/22 04:42	D3
EPA 6020B	Potassium, Dissolved	12.7J	mg/L	15.8	08/04/22 04:42	D3
EPA 6020B	Sodium, Dissolved	7880	mg/L	25.0	08/04/22 17:20	
EPA 8260	cis-1,2-Dichloroethene	14300	ug/L	200	07/29/22 20:28	
EPA 8260	Trichloroethene	35300	ug/L	200	07/29/22 20:28	
EPA 8260	Vinyl chloride	65.7J	ug/L	200	07/29/22 20:28	
SM 4500-S F (2000)	Sulfide	40.0	mg/L	39.9	08/01/22 13:04	1q
EPA 300.0	Chloride	500	mg/L	100	08/01/22 16:52	
EPA 300.0	Sulfate	11500	mg/L	1000	08/02/22 12:36	
EPA 310.2	Alkalinity, Total as CaCO3	3410	mg/L	250	08/08/22 10:58	
EPA 410.4	Chemical Oxygen Demand	2590	mg/L	500	08/03/22 08:41	
SM 5310C	Total Organic Carbon	733	mg/L	30.0	08/03/22 13:48	
<b>40248902010</b>	<b>PZ-2103D</b>					
EPA 8015B Modified	Ethane	291	ug/L	5.6	08/01/22 11:21	pH
EPA 8015B Modified	Ethene	2480	ug/L	50.0	08/01/22 14:43	pH
EPA 8015B Modified	Methane	69.7	ug/L	2.8	08/01/22 11:21	pH
EPA 6020B	Iron	23.9	mg/L	2.5	08/04/22 08:22	
EPA 6020B	Manganese	0.87	mg/L	0.040	08/04/22 08:22	
EPA 6020B	Barium, Dissolved	0.026J	mg/L	0.047	08/04/22 04:50	D3
EPA 6020B	Calcium, Dissolved	374	mg/L	5.1	08/04/22 04:50	
EPA 6020B	Iron, Dissolved	7.7	mg/L	5.0	08/04/22 04:50	
EPA 6020B	Magnesium, Dissolved	249	mg/L	5.0	08/04/22 04:50	
EPA 6020B	Manganese, Dissolved	0.89	mg/L	0.081	08/04/22 04:50	D9
EPA 6020B	Potassium, Dissolved	10.4J	mg/L	15.8	08/04/22 04:50	D3
EPA 6020B	Sodium, Dissolved	6140	mg/L	12.5	08/04/22 05:26	
EPA 8260	cis-1,2-Dichloroethene	12200	ug/L	200	07/29/22 20:49	
EPA 8260	Trichloroethene	29800	ug/L	200	07/29/22 20:49	
EPA 8260	Vinyl chloride	56.3J	ug/L	200	07/29/22 20:49	
SM 4500-S F (2000)	Sulfide	24.0J	mg/L	39.9	08/01/22 13:05	D3
EPA 300.0	Chloride	528	mg/L	100	08/01/22 17:07	
EPA 300.0	Sulfate	12700	mg/L	1000	08/02/22 12:50	
EPA 310.2	Alkalinity, Total as CaCO3	3660	mg/L	250	08/08/22 10:59	
EPA 410.4	Chemical Oxygen Demand	2590	mg/L	500	08/03/22 08:41	
SM 5310C	Total Organic Carbon	780	mg/L	30.0	08/03/22 14:05	
<b>40248902011</b>	<b>MW-2111</b>					
EPA 8015B Modified	Ethane	157	ug/L	5.6	08/01/22 11:28	
EPA 8015B Modified	Ethene	255	ug/L	5.0	08/01/22 11:28	
EPA 8015B Modified	Methane	247	ug/L	5.6	08/01/22 14:50	

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: 60646104.2 KEP  
Pace Project No.: 40248902

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40248902011</b>	<b>MW-2111</b>					
EPA 6020B	Iron	459	mg/L	2.5	08/04/22 08:29	
EPA 6020B	Manganese	0.62	mg/L	0.040	08/04/22 08:29	
EPA 6020B	Barium, Dissolved	0.026	mg/L	0.0047	08/04/22 05:34	
EPA 6020B	Iron, Dissolved	379	mg/L	2.5	08/04/22 05:12	
EPA 6020B	Manganese, Dissolved	0.55	mg/L	0.0081	08/04/22 05:34	
EPA 8260	Benzene	1.4	ug/L	1.0	07/29/22 16:48	
EPA 8260	cis-1,2-Dichloroethene	801	ug/L	5.0	08/01/22 15:38	M1
EPA 8260	trans-1,2-Dichloroethene	0.64J	ug/L	1.0	07/29/22 16:48	
EPA 8260	Toluene	0.34J	ug/L	1.0	07/29/22 16:48	
EPA 8260	Trichloroethene	1.3	ug/L	1.0	07/29/22 16:48	
EPA 8260	Vinyl chloride	13.9	ug/L	1.0	07/29/22 16:48	
EPA 300.0	Chloride	72.3	mg/L	20.0	08/01/22 17:21	
EPA 310.2	Alkalinity, Total as CaCO3	1980	mg/L	250	08/08/22 11:00	M0
EPA 410.4	Chemical Oxygen Demand	3860	mg/L	400	08/03/22 08:41	
SM 5310C	Total Organic Carbon	1160	mg/L	50.0	08/03/22 14:22	
<b>40248902012</b>	<b>PZ-2111</b>					
EPA 8015B Modified	Ethane	37.1	ug/L	5.6	08/01/22 11:56	pH
EPA 8015B Modified	Ethene	46.9	ug/L	5.0	08/01/22 11:56	pH
EPA 8015B Modified	Methane	4190	ug/L	70.0	08/01/22 15:12	pH
EPA 6020B	Iron	311	mg/L	2.5	08/04/22 08:36	
EPA 6020B	Manganese	1.3	mg/L	0.040	08/04/22 08:36	
EPA 6020B	Barium, Dissolved	2.1	mg/L	0.0047	08/04/22 05:41	
EPA 6020B	Iron, Dissolved	296	mg/L	0.50	08/04/22 05:41	
EPA 6020B	Manganese, Dissolved	1.3	mg/L	0.0081	08/04/22 05:41	
EPA 8260	cis-1,2-Dichloroethene	51.1	ug/L	1.0	08/01/22 18:59	
EPA 8260	Trichloroethene	0.41J	ug/L	1.0	08/01/22 18:59	
EPA 8260	Vinyl chloride	3.9	ug/L	1.0	08/01/22 18:59	
EPA 300.0	Chloride	83.2	mg/L	20.0	08/01/22 17:35	
EPA 310.2	Alkalinity, Total as CaCO3	3790	mg/L	250	08/08/22 11:03	
EPA 410.4	Chemical Oxygen Demand	16500	mg/L	1000	08/04/22 08:37	
SM 5310C	Total Organic Carbon	2830	mg/L	300	08/03/22 14:36	
<b>40248902013</b>	<b>PZ-2301</b>					
EPA 8015B Modified	Ethane	7.3	ug/L	5.6	08/01/22 12:03	
EPA 8015B Modified	Ethene	5.9	ug/L	5.0	08/01/22 12:03	
EPA 8015B Modified	Methane	1730	ug/L	56.0	08/01/22 15:20	
EPA 6020B	Iron	0.22J	mg/L	0.25	08/04/22 09:13	
EPA 6020B	Manganese	0.0041	mg/L	0.0040	08/04/22 09:13	
EPA 6020B	Barium, Dissolved	0.055	mg/L	0.0023	08/04/22 04:13	
EPA 6020B	Iron, Dissolved	0.079J	mg/L	0.25	08/04/22 04:13	
EPA 6020B	Manganese, Dissolved	0.0035J	mg/L	0.0040	08/04/22 04:13	
EPA 6020B	Nickel, Dissolved	0.00047J	mg/L	0.0010	08/04/22 04:13	
EPA 300.0	Chloride	24.9	mg/L	10.0	08/01/22 17:50	
EPA 300.0	Sulfate	26.0	mg/L	10.0	08/01/22 17:50	
EPA 310.2	Alkalinity, Total as CaCO3	164	mg/L	125	08/08/22 11:07	
EPA 410.4	Chemical Oxygen Demand	114	mg/L	50.0	08/04/22 08:37	
SM 5310C	Total Organic Carbon	43.9	mg/L	30.0	08/03/22 14:50	

### REPORT OF LABORATORY ANALYSIS

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

### SUMMARY OF DETECTION

Project: 60646104.2 KEP  
Pace Project No.: 40248902

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40248902014</b>	<b>PZ-2301D</b>					
EPA 8015B Modified	Ethane	8.2	ug/L	5.6	08/01/22 12:10	
EPA 8015B Modified	Ethene	6.5	ug/L	5.0	08/01/22 12:10	
EPA 8015B Modified	Methane	2320	ug/L	56.0	08/01/22 15:38	
EPA 6020B	Iron	0.21J	mg/L	0.25	08/04/22 09:20	
EPA 6020B	Manganese	0.0049	mg/L	0.0040	08/04/22 09:20	
EPA 6020B	Barium, Dissolved	0.058	mg/L	0.0023	08/04/22 04:20	
EPA 6020B	Iron, Dissolved	0.061J	mg/L	0.25	08/04/22 04:20	
EPA 6020B	Manganese, Dissolved	0.0027J	mg/L	0.0040	08/04/22 04:20	
EPA 300.0	Chloride	24.7	mg/L	10.0	08/01/22 18:04	
EPA 300.0	Sulfate	26.2	mg/L	10.0	08/01/22 18:04	
EPA 310.2	Alkalinity, Total as CaCO3	186	mg/L	25.0	08/08/22 11:08	
EPA 410.4	Chemical Oxygen Demand	151	mg/L	50.0	08/04/22 08:37	
SM 5310C	Total Organic Carbon	38.3	mg/L	3.0	08/03/22 15:23	
<b>40248902015</b>	<b>MW-2101</b>					
EPA 8015B Modified	Ethane	71.4	ug/L	5.6	08/01/22 12:17	
EPA 8015B Modified	Ethene	43.1	ug/L	5.0	08/01/22 12:17	
EPA 8015B Modified	Methane	1870	ug/L	28.0	08/01/22 15:45	
EPA 6020B	Iron	27.0	mg/L	0.25	08/04/22 09:28	
EPA 6020B	Manganese	0.091	mg/L	0.0040	08/04/22 09:28	
EPA 6020B	Barium, Dissolved	0.10	mg/L	0.0023	08/04/22 04:28	
EPA 6020B	Calcium, Dissolved	192	mg/L	0.25	08/04/22 04:28	
EPA 6020B	Iron, Dissolved	24.9	mg/L	0.25	08/04/22 04:28	
EPA 6020B	Magnesium, Dissolved	49.1	mg/L	0.25	08/04/22 04:28	
EPA 6020B	Manganese, Dissolved	0.091	mg/L	0.0040	08/04/22 04:28	
EPA 6020B	Potassium, Dissolved	15.7	mg/L	0.79	08/04/22 04:28	
EPA 6020B	Sodium, Dissolved	70.2	mg/L	0.25	08/04/22 04:28	
EPA 8260	Vinyl chloride	0.24J	ug/L	1.0	07/29/22 18:11	
EPA 300.0	Chloride	48.2	mg/L	20.0	08/01/22 19:01	
EPA 310.2	Alkalinity, Total as CaCO3	758	mg/L	125	08/08/22 11:09	
EPA 410.4	Chemical Oxygen Demand	1280	mg/L	200	08/04/22 08:37	
SM 5310C	Total Organic Carbon	481	mg/L	30.0	08/03/22 15:38	
<b>40248902016</b>	<b>PZ-2101</b>					
EPA 8015B Modified	Ethane	1770	ug/L	224	08/01/22 15:52	pH
EPA 8015B Modified	Ethene	5950	ug/L	200	08/01/22 15:52	pH
EPA 8015B Modified	Methane	959	ug/L	112	08/01/22 15:52	pH
EPA 6020B	Iron	640	mg/L	2.5	08/04/22 09:35	
EPA 6020B	Manganese	2.5	mg/L	0.040	08/04/22 09:35	
EPA 6020B	Barium, Dissolved	2.1	mg/L	0.0047	08/04/22 04:35	
EPA 6020B	Calcium, Dissolved	1170	mg/L	5.1	08/04/22 03:44	
EPA 6020B	Iron, Dissolved	636	mg/L	5.0	08/04/22 03:44	
EPA 6020B	Magnesium, Dissolved	180	mg/L	0.50	08/04/22 04:35	
EPA 6020B	Manganese, Dissolved	2.5	mg/L	0.081	08/04/22 03:44	
EPA 6020B	Potassium, Dissolved	8.1	mg/L	1.6	08/04/22 04:35	
EPA 6020B	Sodium, Dissolved	767	mg/L	5.0	08/04/22 03:44	
EPA 8260	cis-1,2-Dichloroethene	51200	ug/L	1000	07/29/22 20:07	
EPA 8260	Trichloroethene	70300	ug/L	1000	07/29/22 20:07	

### REPORT OF LABORATORY ANALYSIS

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

## SUMMARY OF DETECTION

Project: 60646104.2 KEP

Pace Project No.: 40248902

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40248902016</b>	<b>PZ-2101</b>					
EPA 8260	Vinyl chloride	2780	ug/L	1000	07/29/22 20:07	
EPA 300.0	Chloride	531	mg/L	40.0	08/01/22 19:16	
EPA 310.2	Alkalinity, Total as CaCO3	4880	mg/L	250	08/08/22 11:10	
EPA 410.4	Chemical Oxygen Demand	14800	mg/L	1000	08/04/22 08:37	
SM 5310C	Total Organic Carbon	4460	mg/L	150	08/03/22 15:54	

## REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: TRIP BLANK 3**      **Lab ID: 40248902001**      Collected: 07/27/22 06:00      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		08/02/22 09:25	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		08/02/22 09:25	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/02/22 09:25	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		08/02/22 09:25	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		08/02/22 09:25	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		08/02/22 09:25	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		08/02/22 09:25	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		08/02/22 09:25	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		08/02/22 09:25	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		08/02/22 09:25	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		08/02/22 09:25	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		08/02/22 09:25	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		08/02/22 09:25	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		08/02/22 09:25	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		08/02/22 09:25	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		08/02/22 09:25	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		08/02/22 09:25	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		08/02/22 09:25	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		08/02/22 09:25	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		08/02/22 09:25	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		08/02/22 09:25	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		08/02/22 09:25	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		08/02/22 09:25	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		08/02/22 09:25	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		08/02/22 09:25	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		08/02/22 09:25	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		08/02/22 09:25	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		08/02/22 09:25	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		08/02/22 09:25	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		08/02/22 09:25	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		08/02/22 09:25	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		08/02/22 09:25	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		08/02/22 09:25	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		08/02/22 09:25	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		08/02/22 09:25	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		08/02/22 09:25	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		08/02/22 09:25	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		08/02/22 09:25	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		08/02/22 09:25	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		08/02/22 09:25	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		08/02/22 09:25	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		08/02/22 09:25	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		08/02/22 09:25	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		08/02/22 09:25	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		08/02/22 09:25	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: TRIP BLANK 3**      **Lab ID: 40248902001**      Collected: 07/27/22 06:00      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		08/02/22 09:25	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		08/02/22 09:25	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		08/02/22 09:25	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		08/02/22 09:25	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		08/02/22 09:25	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/02/22 09:25	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		08/02/22 09:25	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		08/02/22 09:25	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		08/02/22 09:25	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		08/02/22 09:25	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		08/02/22 09:25	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		08/02/22 09:25	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		08/02/22 09:25	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/02/22 09:25	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		08/02/22 09:25	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	88	%	70-130		1		08/02/22 09:25	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		08/02/22 09:25	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		08/02/22 09:25	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60646104.2 KEP

Pace Project No.: 40248902

**Sample: MW-82**      **Lab ID: 40248902002**      Collected: 07/26/22 12:30      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	13.4	ug/L	5.6	0.39	1		08/01/22 10:26	74-84-0	
Ethene	13.3	ug/L	5.0	0.25	1		08/01/22 10:26	74-85-1	
Methane	5640	ug/L	140	28.8	50		08/01/22 13:48	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	45.2	mg/L	2.5	0.58	10	08/01/22 05:46	08/04/22 07:08	7439-89-6	
Manganese	0.31	mg/L	0.040	0.012	10	08/01/22 05:46	08/04/22 07:08	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Barium, Dissolved	0.018	mg/L	0.0023	0.00070	1	08/01/22 06:02	08/04/22 03:00	7440-39-3	
Chromium, Dissolved	<0.0010	mg/L	0.0034	0.0010	1	08/01/22 06:02	08/04/22 03:00	7440-47-3	
Iron, Dissolved	<0.058	mg/L	0.25	0.058	1	08/01/22 06:02	08/04/22 03:00	7439-89-6	
Lead, Dissolved	<0.00024	mg/L	0.0010	0.00024	1	08/01/22 06:02	08/04/22 03:00	7439-92-1	
Manganese, Dissolved	0.013	mg/L	0.0040	0.0012	1	08/01/22 06:02	08/04/22 03:00	7439-96-5	
Nickel, Dissolved	0.00038J	mg/L	0.0010	0.00028	1	08/01/22 06:02	08/04/22 03:00	7440-02-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/29/22 17:09	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/29/22 17:09	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/29/22 17:09	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/29/22 17:09	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/29/22 17:09	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/29/22 17:09	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/29/22 17:09	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/29/22 17:09	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/29/22 17:09	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/29/22 17:09	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/29/22 17:09	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/29/22 17:09	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/29/22 17:09	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/29/22 17:09	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/29/22 17:09	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/29/22 17:09	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/29/22 17:09	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/29/22 17:09	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/29/22 17:09	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/29/22 17:09	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/29/22 17:09	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/29/22 17:09	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/29/22 17:09	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/29/22 17:09	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/29/22 17:09	75-34-3	

### REPORT OF LABORATORY ANALYSIS

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



### ANALYTICAL RESULTS

Project: 60646104.2 KEP

Pace Project No.: 40248902

**Sample: MW-82**      **Lab ID: 40248902002**      Collected: 07/26/22 12:30      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/29/22 17:09	107-06-2	
1,1-Dichloroethane	<0.58	ug/L	1.0	0.58	1		07/29/22 17:09	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		08/01/22 11:50	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/29/22 17:09	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/29/22 17:09	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/29/22 17:09	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/29/22 17:09	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/29/22 17:09	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/29/22 17:09	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/29/22 17:09	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/29/22 17:09	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/29/22 17:09	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/29/22 17:09	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/29/22 17:09	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/29/22 17:09	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/29/22 17:09	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/29/22 17:09	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/29/22 17:09	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/29/22 17:09	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/29/22 17:09	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/29/22 17:09	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/29/22 17:09	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/29/22 17:09	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/29/22 17:09	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/29/22 17:09	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/29/22 17:09	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/29/22 17:09	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/29/22 17:09	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/29/22 17:09	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/29/22 17:09	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/29/22 17:09	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/29/22 17:09	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/29/22 17:09	108-67-8	
Vinyl chloride	0.26J	ug/L	1.0	0.17	1		08/01/22 11:50	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/29/22 17:09	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		1		07/29/22 17:09	460-00-4	
1,2-Dichlorobenzene-d4 (S)	110	%	70-130		1		07/29/22 17:09	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		07/29/22 17:09	2037-26-5	

**4500S2F Sulfide, Iodometric**

Analytical Method: SM 4500-S F (2000)  
Pace Analytical Services - Green Bay

Sulfide	<23.9	mg/L	79.7	23.9	20		07/29/22 14:31		D3
---------	-------	------	------	------	----	--	----------------	--	----

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: MW-82**      **Lab ID: 4024890202**      Collected: 07/26/22 12:30      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>139</b>	mg/L	20.0	4.3	10		08/01/22 14:27	16887-00-6	
Sulfate	<b>18.2J</b>	mg/L	20.0	4.4	10		08/01/22 14:27	14808-79-8	D3
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>259</b>	mg/L	125	37.2	5		08/08/22 10:48		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>2230</b>	mg/L	1000	295	1	08/03/22 06:15	08/03/22 08:39		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>6.0</b>	mg/L	3.0	0.83	6		08/03/22 10:27	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60646104.2 KEP

Pace Project No.: 40248902

**Sample: MW-82D**      **Lab ID: 40248902003**      Collected: 07/26/22 12:30      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	15.4	ug/L	5.6	0.39	1		08/01/22 10:33	74-84-0	
Ethene	16.2	ug/L	5.0	0.25	1		08/01/22 10:33	74-85-1	
Methane	5180	ug/L	140	28.8	50		08/01/22 13:55	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	38.7	mg/L	2.5	0.58	10	08/01/22 05:46	08/04/22 07:38	7439-89-6	
Manganese	0.25	mg/L	0.040	0.012	10	08/01/22 05:46	08/04/22 07:38	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Barium, Dissolved	0.018	mg/L	0.0023	0.00070	1	08/01/22 06:02	08/04/22 03:14	7440-39-3	
Chromium, Dissolved	0.0022J	mg/L	0.0034	0.0010	1	08/01/22 06:02	08/04/22 03:14	7440-47-3	
Iron, Dissolved	<0.058	mg/L	0.25	0.058	1	08/01/22 06:02	08/04/22 03:14	7439-89-6	
Lead, Dissolved	<0.00024	mg/L	0.0010	0.00024	1	08/01/22 06:02	08/04/22 03:14	7439-92-1	
Manganese, Dissolved	0.013	mg/L	0.0040	0.0012	1	08/01/22 06:02	08/04/22 03:14	7439-96-5	
Nickel, Dissolved	0.0014	mg/L	0.0010	0.00028	1	08/01/22 06:02	08/04/22 03:14	7440-02-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/29/22 17:30	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/29/22 17:30	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/29/22 17:30	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/29/22 17:30	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/29/22 17:30	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/29/22 17:30	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/29/22 17:30	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/29/22 17:30	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/29/22 17:30	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/29/22 17:30	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/29/22 17:30	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/29/22 17:30	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/29/22 17:30	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/29/22 17:30	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/29/22 17:30	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/29/22 17:30	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/29/22 17:30	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/29/22 17:30	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/29/22 17:30	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/29/22 17:30	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/29/22 17:30	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/29/22 17:30	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/29/22 17:30	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/29/22 17:30	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/29/22 17:30	75-34-3	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60646104.2 KEP

Pace Project No.: 40248902

**Sample: MW-82D**      **Lab ID: 40248902003**      Collected: 07/26/22 12:30      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/29/22 17:30	107-06-2	
1,1-Dichloroethane	<0.58	ug/L	1.0	0.58	1		07/29/22 17:30	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		08/01/22 12:11	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/29/22 17:30	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/29/22 17:30	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/29/22 17:30	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/29/22 17:30	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/29/22 17:30	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/29/22 17:30	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/29/22 17:30	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/29/22 17:30	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/29/22 17:30	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/29/22 17:30	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/29/22 17:30	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/29/22 17:30	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/29/22 17:30	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/29/22 17:30	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/29/22 17:30	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/29/22 17:30	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/29/22 17:30	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/29/22 17:30	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/29/22 17:30	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/29/22 17:30	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/29/22 17:30	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/29/22 17:30	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/29/22 17:30	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/29/22 17:30	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/29/22 17:30	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/29/22 17:30	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/29/22 17:30	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/29/22 17:30	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/29/22 17:30	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/29/22 17:30	108-67-8	
Vinyl chloride	0.28J	ug/L	1.0	0.17	1		08/01/22 12:11	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/29/22 17:30	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		07/29/22 17:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		07/29/22 17:30	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		07/29/22 17:30	2037-26-5	

**4500S2F Sulfide, Iodometric**

Analytical Method: SM 4500-S F (2000)

Pace Analytical Services - Green Bay

Sulfide	28.0J	mg/L	79.7	23.9	20		07/29/22 14:33		D3
---------	-------	------	------	------	----	--	----------------	--	----

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60646104.2 KEP

Pace Project No.: 40248902

---

**Sample: MW-82D**      **Lab ID: 40248902003**      Collected: 07/26/22 12:30      Received: 07/28/22 08:00      Matrix: Water

---

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	<b>126</b>	mg/L	20.0	4.3	10		08/01/22 14:42	16887-00-6	
Sulfate	<b>10.3J</b>	mg/L	20.0	4.4	10		08/01/22 14:42	14808-79-8	D3
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>&lt;372</b>	mg/L	1250	372	50		08/08/22 11:38		D3
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4									
Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>3640</b>	mg/L	1000	295	1	08/03/22 06:15	08/03/22 08:39		
<b>5310C TOC</b>									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>8.0</b>	mg/L	3.0	0.83	6		08/03/22 11:24	7440-44-0	M0

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: MW-2106**      **Lab ID: 40248902004**      Collected: 07/26/22 10:10      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	5.7	ug/L	5.6	0.39	1		08/01/22 10:39	74-84-0	
Ethene	359	ug/L	5.0	0.25	1		08/01/22 10:39	74-85-1	
Methane	1690	ug/L	28.0	5.8	10		08/01/22 14:01	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Iron	2.4	mg/L	0.25	0.058	1	08/01/22 05:46	08/04/22 06:39	7439-89-6	
Manganese	0.25	mg/L	0.0040	0.0012	1	08/01/22 05:46	08/04/22 06:39	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Barium, Dissolved	0.32	mg/L	0.023	0.0070	10	08/01/22 06:02	08/02/22 14:58	7440-39-3	
Calcium, Dissolved	189	mg/L	2.5	0.76	10	08/01/22 06:02	08/02/22 14:58	7440-70-2	P6
Chromium, Dissolved	<0.0010	mg/L	0.0034	0.0010	1	08/01/22 06:02	08/04/22 02:30	7440-47-3	
Iron, Dissolved	1.8	mg/L	0.25	0.058	1	08/01/22 06:02	08/04/22 02:30	7439-89-6	
Lead, Dissolved	<0.00024	mg/L	0.0010	0.00024	1	08/01/22 06:02	08/04/22 02:30	7439-92-1	
Magnesium, Dissolved	51.8	mg/L	2.5	0.31	10	08/01/22 06:02	08/02/22 14:58	7439-95-4	P6
Manganese, Dissolved	0.29	mg/L	0.040	0.012	10	08/01/22 06:02	08/02/22 14:58	7439-96-5	D9
Nickel, Dissolved	0.0025	mg/L	0.0010	0.00028	1	08/01/22 06:02	08/04/22 02:30	7440-02-0	
Potassium, Dissolved	15.0	mg/L	0.79	0.24	1	08/01/22 06:02	08/04/22 02:30	7440-09-7	
Sodium, Dissolved	93.6	mg/L	2.5	0.42	10	08/01/22 06:02	08/02/22 14:58	7440-23-5	P6
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<5.9	ug/L	20.0	5.9	20		08/01/22 14:15	71-43-2	
Bromobenzene	<7.2	ug/L	20.0	7.2	20		08/01/22 14:15	108-86-1	
Bromochloromethane	<7.2	ug/L	100	7.2	20		08/01/22 14:15	74-97-5	
Bromodichloromethane	<8.3	ug/L	20.0	8.3	20		08/01/22 14:15	75-27-4	
Bromoform	<76.0	ug/L	100	76.0	20		08/01/22 14:15	75-25-2	
Bromomethane	<23.8	ug/L	100	23.8	20		08/01/22 14:15	74-83-9	
n-Butylbenzene	<17.1	ug/L	20.0	17.1	20		08/01/22 14:15	104-51-8	
sec-Butylbenzene	<8.5	ug/L	20.0	8.5	20		08/01/22 14:15	135-98-8	
tert-Butylbenzene	<11.7	ug/L	20.0	11.7	20		08/01/22 14:15	98-06-6	
Carbon tetrachloride	<7.4	ug/L	20.0	7.4	20		08/01/22 14:15	56-23-5	
Chlorobenzene	<17.1	ug/L	20.0	17.1	20		08/01/22 14:15	108-90-7	
Chloroethane	<27.6	ug/L	100	27.6	20		08/01/22 14:15	75-00-3	
Chloroform	<23.7	ug/L	100	23.7	20		08/01/22 14:15	67-66-3	
Chloromethane	<32.7	ug/L	100	32.7	20		08/01/22 14:15	74-87-3	
2-Chlorotoluene	<17.8	ug/L	100	17.8	20		08/01/22 14:15	95-49-8	
4-Chlorotoluene	<17.9	ug/L	100	17.9	20		08/01/22 14:15	106-43-4	
1,2-Dibromo-3-chloropropane	<47.3	ug/L	100	47.3	20		08/01/22 14:15	96-12-8	
Dibromochloromethane	<52.9	ug/L	100	52.9	20		08/01/22 14:15	124-48-1	
1,2-Dibromoethane (EDB)	<6.2	ug/L	20.0	6.2	20		08/01/22 14:15	106-93-4	
Dibromomethane	<19.8	ug/L	100	19.8	20		08/01/22 14:15	74-95-3	
1,2-Dichlorobenzene	<6.5	ug/L	20.0	6.5	20		08/01/22 14:15	95-50-1	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: MW-2106**      **Lab ID: 40248902004**      Collected: 07/26/22 10:10      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,3-Dichlorobenzene	<7.0	ug/L	20.0	7.0	20		08/01/22 14:15	541-73-1	
1,4-Dichlorobenzene	<17.8	ug/L	20.0	17.8	20		08/01/22 14:15	106-46-7	
Dichlorodifluoromethane	<9.1	ug/L	100	9.1	20		08/01/22 14:15	75-71-8	
1,1-Dichloroethane	<5.9	ug/L	20.0	5.9	20		08/01/22 14:15	75-34-3	
1,2-Dichloroethane	<5.8	ug/L	20.0	5.8	20		08/01/22 14:15	107-06-2	
1,1-Dichloroethene	<11.6	ug/L	20.0	11.6	20		08/01/22 14:15	75-35-4	
cis-1,2-Dichloroethene	128	ug/L	20.0	9.4	20		08/01/22 14:15	156-59-2	
trans-1,2-Dichloroethene	<10.6	ug/L	20.0	10.6	20		08/01/22 14:15	156-60-5	
1,2-Dichloropropane	<9.0	ug/L	20.0	9.0	20		08/01/22 14:15	78-87-5	
1,3-Dichloropropane	<6.1	ug/L	20.0	6.1	20		08/01/22 14:15	142-28-9	
2,2-Dichloropropane	<83.6	ug/L	100	83.6	20		08/01/22 14:15	594-20-7	
1,1-Dichloropropene	<8.2	ug/L	20.0	8.2	20		08/01/22 14:15	563-58-6	
cis-1,3-Dichloropropene	<7.2	ug/L	20.0	7.2	20		08/01/22 14:15	10061-01-5	
trans-1,3-Dichloropropene	<69.2	ug/L	100	69.2	20		08/01/22 14:15	10061-02-6	
Diisopropyl ether	<22.0	ug/L	100	22.0	20		08/01/22 14:15	108-20-3	
Ethylbenzene	<6.5	ug/L	20.0	6.5	20		08/01/22 14:15	100-41-4	
Hexachloro-1,3-butadiene	<54.7	ug/L	100	54.7	20		08/01/22 14:15	87-68-3	
Isopropylbenzene (Cumene)	<20.0	ug/L	100	20.0	20		08/01/22 14:15	98-82-8	
p-Isopropyltoluene	<20.9	ug/L	100	20.9	20		08/01/22 14:15	99-87-6	
Methylene Chloride	<6.4	ug/L	100	6.4	20		08/01/22 14:15	75-09-2	
Methyl-tert-butyl ether	<22.6	ug/L	100	22.6	20		08/01/22 14:15	1634-04-4	
Naphthalene	<22.6	ug/L	100	22.6	20		08/01/22 14:15	91-20-3	
n-Propylbenzene	<6.9	ug/L	20.0	6.9	20		08/01/22 14:15	103-65-1	
Styrene	<7.1	ug/L	20.0	7.1	20		08/01/22 14:15	100-42-5	
1,1,1,2-Tetrachloroethane	<7.1	ug/L	20.0	7.1	20		08/01/22 14:15	630-20-6	
1,1,2,2-Tetrachloroethane	<7.6	ug/L	20.0	7.6	20		08/01/22 14:15	79-34-5	
Tetrachloroethene	<8.2	ug/L	20.0	8.2	20		08/01/22 14:15	127-18-4	
Toluene	<5.8	ug/L	20.0	5.8	20		08/01/22 14:15	108-88-3	
1,2,3-Trichlorobenzene	<20.4	ug/L	100	20.4	20		08/01/22 14:15	87-61-6	
1,2,4-Trichlorobenzene	<19.0	ug/L	100	19.0	20		08/01/22 14:15	120-82-1	
1,1,1-Trichloroethane	<6.1	ug/L	20.0	6.1	20		08/01/22 14:15	71-55-6	
1,1,2-Trichloroethane	<6.9	ug/L	100	6.9	20		08/01/22 14:15	79-00-5	
Trichloroethene	<6.4	ug/L	20.0	6.4	20		08/01/22 14:15	79-01-6	
Trichlorofluoromethane	<8.4	ug/L	20.0	8.4	20		08/01/22 14:15	75-69-4	
1,2,3-Trichloropropane	<11.1	ug/L	100	11.1	20		08/01/22 14:15	96-18-4	
1,2,4-Trimethylbenzene	<9.0	ug/L	20.0	9.0	20		08/01/22 14:15	95-63-6	
1,3,5-Trimethylbenzene	<7.1	ug/L	20.0	7.1	20		08/01/22 14:15	108-67-8	
Vinyl chloride	2360	ug/L	20.0	3.5	20		08/01/22 14:15	75-01-4	
Xylene (Total)	<21.0	ug/L	60.0	21.0	20		08/01/22 14:15	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		20		08/01/22 14:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	109	%	70-130		20		08/01/22 14:15	2199-69-1	
Toluene-d8 (S)	98	%	70-130		20		08/01/22 14:15	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: MW-2106**      **Lab ID: 40248902004**      Collected: 07/26/22 10:10      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000) Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		07/29/22 14:37		
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	75.6	mg/L	20.0	4.3	10		08/01/22 14:56	16887-00-6	
Sulfate	147	mg/L	20.0	4.4	10		08/01/22 14:56	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	623	mg/L	125	37.2	5		08/08/22 10:50		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	219	mg/L	50.0	14.7	1	08/03/22 06:15	08/03/22 08:39		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	44.2	mg/L	15.0	4.2	30		08/03/22 12:40	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

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



### ANALYTICAL RESULTS

Project: 60646104.2 KEP

Pace Project No.: 40248902

**Sample: MW-2113**      **Lab ID: 40248902005**      Collected: 07/26/22 11:15      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<b>3.7J</b>	ug/L	5.6	0.39	1		08/01/22 10:46	74-84-0	
Ethene	<b>234</b>	ug/L	5.0	0.25	1		08/01/22 10:46	74-85-1	
Methane	<b>4140</b>	ug/L	70.0	14.4	25		08/01/22 14:08	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	<b>1.7</b>	mg/L	0.25	0.058	1	08/01/22 05:46	08/04/22 07:45	7439-89-6	
Manganese	<b>0.20</b>	mg/L	0.0040	0.0012	1	08/01/22 05:46	08/04/22 07:45	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Barium, Dissolved	<b>0.21</b>	mg/L	0.0023	0.00070	1	08/01/22 06:02	08/04/22 03:22	7440-39-3	
Chromium, Dissolved	<b>&lt;0.0010</b>	mg/L	0.0034	0.0010	1	08/01/22 06:02	08/04/22 03:22	7440-47-3	
Iron, Dissolved	<b>1.4</b>	mg/L	0.25	0.058	1	08/01/22 06:02	08/04/22 03:22	7439-89-6	
Lead, Dissolved	<b>&lt;0.00024</b>	mg/L	0.0010	0.00024	1	08/01/22 06:02	08/04/22 03:22	7439-92-1	
Manganese, Dissolved	<b>0.18</b>	mg/L	0.0040	0.0012	1	08/01/22 06:02	08/04/22 03:22	7439-96-5	
Nickel, Dissolved	<b>0.0087</b>	mg/L	0.0010	0.00028	1	08/01/22 06:02	08/04/22 03:22	7440-02-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<b>&lt;3.0</b>	ug/L	10.0	3.0	10		08/01/22 19:19	71-43-2	
Bromobenzene	<b>&lt;3.6</b>	ug/L	10.0	3.6	10		08/01/22 19:19	108-86-1	
Bromochloromethane	<b>&lt;3.6</b>	ug/L	50.0	3.6	10		08/01/22 19:19	74-97-5	
Bromodichloromethane	<b>&lt;4.2</b>	ug/L	10.0	4.2	10		08/01/22 19:19	75-27-4	
Bromoform	<b>&lt;38.0</b>	ug/L	50.0	38.0	10		08/01/22 19:19	75-25-2	
Bromomethane	<b>&lt;11.9</b>	ug/L	50.0	11.9	10		08/01/22 19:19	74-83-9	
n-Butylbenzene	<b>&lt;8.6</b>	ug/L	10.0	8.6	10		08/01/22 19:19	104-51-8	
sec-Butylbenzene	<b>&lt;4.2</b>	ug/L	10.0	4.2	10		08/01/22 19:19	135-98-8	
tert-Butylbenzene	<b>&lt;5.9</b>	ug/L	10.0	5.9	10		08/01/22 19:19	98-06-6	
Carbon tetrachloride	<b>&lt;3.7</b>	ug/L	10.0	3.7	10		08/01/22 19:19	56-23-5	
Chlorobenzene	<b>&lt;8.6</b>	ug/L	10.0	8.6	10		08/01/22 19:19	108-90-7	
Chloroethane	<b>&lt;13.8</b>	ug/L	50.0	13.8	10		08/01/22 19:19	75-00-3	
Chloroform	<b>&lt;11.8</b>	ug/L	50.0	11.8	10		08/01/22 19:19	67-66-3	
Chloromethane	<b>&lt;16.4</b>	ug/L	50.0	16.4	10		08/01/22 19:19	74-87-3	
2-Chlorotoluene	<b>&lt;8.9</b>	ug/L	50.0	8.9	10		08/01/22 19:19	95-49-8	
4-Chlorotoluene	<b>&lt;8.9</b>	ug/L	50.0	8.9	10		08/01/22 19:19	106-43-4	
1,2-Dibromo-3-chloropropane	<b>&lt;23.7</b>	ug/L	50.0	23.7	10		08/01/22 19:19	96-12-8	
Dibromochloromethane	<b>&lt;26.4</b>	ug/L	50.0	26.4	10		08/01/22 19:19	124-48-1	
1,2-Dibromoethane (EDB)	<b>&lt;3.1</b>	ug/L	10.0	3.1	10		08/01/22 19:19	106-93-4	
Dibromomethane	<b>&lt;9.9</b>	ug/L	50.0	9.9	10		08/01/22 19:19	74-95-3	
1,2-Dichlorobenzene	<b>&lt;3.3</b>	ug/L	10.0	3.3	10		08/01/22 19:19	95-50-1	
1,3-Dichlorobenzene	<b>&lt;3.5</b>	ug/L	10.0	3.5	10		08/01/22 19:19	541-73-1	
1,4-Dichlorobenzene	<b>&lt;8.9</b>	ug/L	10.0	8.9	10		08/01/22 19:19	106-46-7	
Dichlorodifluoromethane	<b>&lt;4.6</b>	ug/L	50.0	4.6	10		08/01/22 19:19	75-71-8	
1,1-Dichloroethane	<b>&lt;3.0</b>	ug/L	10.0	3.0	10		08/01/22 19:19	75-34-3	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: MW-2113**      **Lab ID: 40248902005**      Collected: 07/26/22 11:15      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	<2.9	ug/L	10.0	2.9	10		08/01/22 19:19	107-06-2	
1,1-Dichloroethene	<5.8	ug/L	10.0	5.8	10		08/01/22 19:19	75-35-4	
cis-1,2-Dichloroethene	24.1	ug/L	10.0	4.7	10		08/01/22 19:19	156-59-2	
trans-1,2-Dichloroethene	10.7	ug/L	10.0	5.3	10		08/01/22 19:19	156-60-5	
1,2-Dichloropropane	<4.5	ug/L	10.0	4.5	10		08/01/22 19:19	78-87-5	
1,3-Dichloropropane	<3.0	ug/L	10.0	3.0	10		08/01/22 19:19	142-28-9	
2,2-Dichloropropane	<41.8	ug/L	50.0	41.8	10		08/01/22 19:19	594-20-7	
1,1-Dichloropropene	<4.1	ug/L	10.0	4.1	10		08/01/22 19:19	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	10.0	3.6	10		08/01/22 19:19	10061-01-5	
trans-1,3-Dichloropropene	<34.6	ug/L	50.0	34.6	10		08/01/22 19:19	10061-02-6	
Diisopropyl ether	<11.0	ug/L	50.0	11.0	10		08/01/22 19:19	108-20-3	
Ethylbenzene	<3.3	ug/L	10.0	3.3	10		08/01/22 19:19	100-41-4	
Hexachloro-1,3-butadiene	<27.4	ug/L	50.0	27.4	10		08/01/22 19:19	87-68-3	
Isopropylbenzene (Cumene)	<10.0	ug/L	50.0	10.0	10		08/01/22 19:19	98-82-8	
p-Isopropyltoluene	<10.4	ug/L	50.0	10.4	10		08/01/22 19:19	99-87-6	
Methylene Chloride	<3.2	ug/L	50.0	3.2	10		08/01/22 19:19	75-09-2	
Methyl-tert-butyl ether	<11.3	ug/L	50.0	11.3	10		08/01/22 19:19	1634-04-4	
Naphthalene	<11.3	ug/L	50.0	11.3	10		08/01/22 19:19	91-20-3	
n-Propylbenzene	<3.5	ug/L	10.0	3.5	10		08/01/22 19:19	103-65-1	
Styrene	<3.6	ug/L	10.0	3.6	10		08/01/22 19:19	100-42-5	
1,1,1,2-Tetrachloroethane	<3.6	ug/L	10.0	3.6	10		08/01/22 19:19	630-20-6	
1,1,2,2-Tetrachloroethane	<3.8	ug/L	10.0	3.8	10		08/01/22 19:19	79-34-5	
Tetrachloroethene	<4.1	ug/L	10.0	4.1	10		08/01/22 19:19	127-18-4	
Toluene	<2.9	ug/L	10.0	2.9	10		08/01/22 19:19	108-88-3	
1,2,3-Trichlorobenzene	<10.2	ug/L	50.0	10.2	10		08/01/22 19:19	87-61-6	
1,2,4-Trichlorobenzene	<9.5	ug/L	50.0	9.5	10		08/01/22 19:19	120-82-1	
1,1,1-Trichloroethane	<3.0	ug/L	10.0	3.0	10		08/01/22 19:19	71-55-6	
1,1,2-Trichloroethane	<3.4	ug/L	50.0	3.4	10		08/01/22 19:19	79-00-5	
Trichloroethene	<3.2	ug/L	10.0	3.2	10		08/01/22 19:19	79-01-6	
Trichlorofluoromethane	<4.2	ug/L	10.0	4.2	10		08/01/22 19:19	75-69-4	
1,2,3-Trichloropropane	<5.6	ug/L	50.0	5.6	10		08/01/22 19:19	96-18-4	
1,2,4-Trimethylbenzene	<4.5	ug/L	10.0	4.5	10		08/01/22 19:19	95-63-6	
1,3,5-Trimethylbenzene	<3.6	ug/L	10.0	3.6	10		08/01/22 19:19	108-67-8	
Vinyl chloride	1300	ug/L	10.0	1.7	10		08/01/22 19:19	75-01-4	
Xylene (Total)	<10.5	ug/L	30.0	10.5	10		08/01/22 19:19	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	105	%	70-130		10		08/01/22 19:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		10		08/01/22 19:19	2199-69-1	
Toluene-d8 (S)	103	%	70-130		10		08/01/22 19:19	2037-26-5	
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	2.2J	mg/L	4.0	1.2	1		07/29/22 14:39		

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: MW-2113**      **Lab ID: 40248902005**      Collected: 07/26/22 11:15      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>52.2</b>	mg/L	20.0	4.3	10		08/01/22 15:55	16887-00-6	
Sulfate	<b>214</b>	mg/L	20.0	4.4	10		08/01/22 15:55	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>532</b>	mg/L	125	37.2	5		08/08/22 10:54		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>94.0</b>	mg/L	50.0	14.7	1	08/03/22 06:15	08/03/22 08:39		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>20.1</b>	mg/L	15.0	4.2	30		08/03/22 12:53	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60646104.2 KEP

Pace Project No.: 40248902

**Sample: PZ-2113**      **Lab ID: 40248902006**      Collected: 07/26/22 12:00      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	506	ug/L	5.6	0.39	1		08/01/22 10:53	74-84-0	
Ethene	2030	ug/L	250	12.6	50		08/01/22 14:15	74-85-1	
Methane	5410	ug/L	140	28.8	50		08/01/22 14:15	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Iron	180	mg/L	0.50	0.12	2	08/01/22 05:46	08/04/22 07:52	7439-89-6	
Manganese	0.55	mg/L	0.0081	0.0024	2	08/01/22 05:46	08/04/22 07:52	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Barium, Dissolved	1.1	mg/L	0.0047	0.0014	2	08/01/22 06:02	08/04/22 03:51	7440-39-3	
Chromium, Dissolved	<0.0020	mg/L	0.0068	0.0020	2	08/01/22 06:02	08/04/22 03:51	7440-47-3	D3
Iron, Dissolved	183	mg/L	0.50	0.12	2	08/01/22 06:02	08/04/22 03:51	7439-89-6	D9
Lead, Dissolved	<0.00047	mg/L	0.0020	0.00047	2	08/01/22 06:02	08/04/22 03:51	7439-92-1	D3
Manganese, Dissolved	0.61	mg/L	0.0081	0.0024	2	08/01/22 06:02	08/04/22 03:51	7439-96-5	D9
Nickel, Dissolved	<0.00057	mg/L	0.0020	0.00057	2	08/01/22 06:02	08/04/22 03:51	7440-02-0	D3
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<1.5	ug/L	5.0	1.5	5		08/01/22 19:40	71-43-2	
Bromobenzene	<1.8	ug/L	5.0	1.8	5		08/01/22 19:40	108-86-1	
Bromochloromethane	<1.8	ug/L	25.0	1.8	5		08/01/22 19:40	74-97-5	
Bromodichloromethane	<2.1	ug/L	5.0	2.1	5		08/01/22 19:40	75-27-4	
Bromoform	<19.0	ug/L	25.0	19.0	5		08/01/22 19:40	75-25-2	
Bromomethane	<6.0	ug/L	25.0	6.0	5		08/01/22 19:40	74-83-9	
n-Butylbenzene	<4.3	ug/L	5.0	4.3	5		08/01/22 19:40	104-51-8	
sec-Butylbenzene	<2.1	ug/L	5.0	2.1	5		08/01/22 19:40	135-98-8	
tert-Butylbenzene	<2.9	ug/L	5.0	2.9	5		08/01/22 19:40	98-06-6	
Carbon tetrachloride	<1.8	ug/L	5.0	1.8	5		08/01/22 19:40	56-23-5	
Chlorobenzene	<4.3	ug/L	5.0	4.3	5		08/01/22 19:40	108-90-7	
Chloroethane	<6.9	ug/L	25.0	6.9	5		08/01/22 19:40	75-00-3	
Chloroform	<5.9	ug/L	25.0	5.9	5		08/01/22 19:40	67-66-3	
Chloromethane	<8.2	ug/L	25.0	8.2	5		08/01/22 19:40	74-87-3	
2-Chlorotoluene	<4.4	ug/L	25.0	4.4	5		08/01/22 19:40	95-49-8	
4-Chlorotoluene	<4.5	ug/L	25.0	4.5	5		08/01/22 19:40	106-43-4	
1,2-Dibromo-3-chloropropane	<11.8	ug/L	25.0	11.8	5		08/01/22 19:40	96-12-8	
Dibromochloromethane	<13.2	ug/L	25.0	13.2	5		08/01/22 19:40	124-48-1	
1,2-Dibromoethane (EDB)	<1.5	ug/L	5.0	1.5	5		08/01/22 19:40	106-93-4	
Dibromomethane	<5.0	ug/L	25.0	5.0	5		08/01/22 19:40	74-95-3	
1,2-Dichlorobenzene	<1.6	ug/L	5.0	1.6	5		08/01/22 19:40	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	5.0	1.8	5		08/01/22 19:40	541-73-1	
1,4-Dichlorobenzene	<4.5	ug/L	5.0	4.5	5		08/01/22 19:40	106-46-7	
Dichlorodifluoromethane	<2.3	ug/L	25.0	2.3	5		08/01/22 19:40	75-71-8	
1,1-Dichloroethane	<1.5	ug/L	5.0	1.5	5		08/01/22 19:40	75-34-3	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: PZ-2113**      **Lab ID: 40248902006**      Collected: 07/26/22 12:00      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	<1.5	ug/L	5.0	1.5	5		08/01/22 19:40	107-06-2	
1,1-Dichloroethane	<2.9	ug/L	5.0	2.9	5		08/01/22 19:40	75-35-4	
cis-1,2-Dichloroethene	<b>108</b>	ug/L	5.0	2.4	5		08/01/22 19:40	156-59-2	
trans-1,2-Dichloroethene	<b>14.7</b>	ug/L	5.0	2.6	5		08/01/22 19:40	156-60-5	
1,2-Dichloropropane	<2.2	ug/L	5.0	2.2	5		08/01/22 19:40	78-87-5	
1,3-Dichloropropane	<1.5	ug/L	5.0	1.5	5		08/01/22 19:40	142-28-9	
2,2-Dichloropropane	<20.9	ug/L	25.0	20.9	5		08/01/22 19:40	594-20-7	
1,1-Dichloropropene	<2.1	ug/L	5.0	2.1	5		08/01/22 19:40	563-58-6	
cis-1,3-Dichloropropene	<1.8	ug/L	5.0	1.8	5		08/01/22 19:40	10061-01-5	
trans-1,3-Dichloropropene	<17.3	ug/L	25.0	17.3	5		08/01/22 19:40	10061-02-6	
Diisopropyl ether	<5.5	ug/L	25.0	5.5	5		08/01/22 19:40	108-20-3	
Ethylbenzene	<1.6	ug/L	5.0	1.6	5		08/01/22 19:40	100-41-4	
Hexachloro-1,3-butadiene	<13.7	ug/L	25.0	13.7	5		08/01/22 19:40	87-68-3	
Isopropylbenzene (Cumene)	<5.0	ug/L	25.0	5.0	5		08/01/22 19:40	98-82-8	
p-Isopropyltoluene	<5.2	ug/L	25.0	5.2	5		08/01/22 19:40	99-87-6	
Methylene Chloride	<1.6	ug/L	25.0	1.6	5		08/01/22 19:40	75-09-2	
Methyl-tert-butyl ether	<5.6	ug/L	25.0	5.6	5		08/01/22 19:40	1634-04-4	
Naphthalene	<5.6	ug/L	25.0	5.6	5		08/01/22 19:40	91-20-3	
n-Propylbenzene	<1.7	ug/L	5.0	1.7	5		08/01/22 19:40	103-65-1	
Styrene	<1.8	ug/L	5.0	1.8	5		08/01/22 19:40	100-42-5	
1,1,1,2-Tetrachloroethane	<1.8	ug/L	5.0	1.8	5		08/01/22 19:40	630-20-6	
1,1,2,2-Tetrachloroethane	<1.9	ug/L	5.0	1.9	5		08/01/22 19:40	79-34-5	
Tetrachloroethene	<2.0	ug/L	5.0	2.0	5		08/01/22 19:40	127-18-4	
Toluene	<1.4	ug/L	5.0	1.4	5		08/01/22 19:40	108-88-3	
1,2,3-Trichlorobenzene	<5.1	ug/L	25.0	5.1	5		08/01/22 19:40	87-61-6	
1,2,4-Trichlorobenzene	<4.8	ug/L	25.0	4.8	5		08/01/22 19:40	120-82-1	
1,1,1-Trichloroethane	<1.5	ug/L	5.0	1.5	5		08/01/22 19:40	71-55-6	
1,1,2-Trichloroethane	<1.7	ug/L	25.0	1.7	5		08/01/22 19:40	79-00-5	
Trichloroethene	<b>1.8J</b>	ug/L	5.0	1.6	5		08/01/22 19:40	79-01-6	
Trichlorofluoromethane	<2.1	ug/L	5.0	2.1	5		08/01/22 19:40	75-69-4	
1,2,3-Trichloropropane	<2.8	ug/L	25.0	2.8	5		08/01/22 19:40	96-18-4	
1,2,4-Trimethylbenzene	<2.2	ug/L	5.0	2.2	5		08/01/22 19:40	95-63-6	
1,3,5-Trimethylbenzene	<1.8	ug/L	5.0	1.8	5		08/01/22 19:40	108-67-8	
Vinyl chloride	<b>835</b>	ug/L	5.0	0.87	5		08/01/22 19:40	75-01-4	
Xylene (Total)	<5.2	ug/L	15.0	5.2	5		08/01/22 19:40	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	108	%	70-130		5		08/01/22 19:40	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		5		08/01/22 19:40	2199-69-1	
Toluene-d8 (S)	99	%	70-130		5		08/01/22 19:40	2037-26-5	
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<12.0	mg/L	39.9	12.0	10		07/29/22 14:41		D3

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60646104.2 KEP

Pace Project No.: 40248902

**Sample: PZ-2113**      **Lab ID: 40248902006**      Collected: 07/26/22 12:00      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>318</b>	mg/L	20.0	4.3	10		08/01/22 16:09	16887-00-6	
Sulfate	<b>&lt;4.4</b>	mg/L	20.0	4.4	10		08/01/22 16:09	14808-79-8	D3
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>1610</b>	mg/L	125	37.2	5		08/08/22 10:55		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>4040</b>	mg/L	400	118	1	08/03/22 06:15	08/03/22 08:39		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>1080</b>	mg/L	50.0	13.8	100		08/03/22 13:07	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60646104.2 KEP

Pace Project No.: 40248902

**Sample: MW-2103**      **Lab ID: 40248902007**      Collected: 07/26/22 13:10      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	1.6J	ug/L	5.6	0.39	1		08/01/22 11:00	74-84-0	
Ethene	952	ug/L	25.0	1.3	5		08/01/22 14:22	74-85-1	
Methane	118	ug/L	2.8	0.58	1		08/01/22 11:00	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	8.1	mg/L	0.25	0.058	1	08/01/22 05:46	08/04/22 08:00	7439-89-6	
Manganese	0.60	mg/L	0.0040	0.0012	1	08/01/22 05:46	08/04/22 08:00	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Barium, Dissolved	0.28	mg/L	0.0023	0.00070	1	08/01/22 06:02	08/04/22 03:58	7440-39-3	
Calcium, Dissolved	361	mg/L	2.5	0.76	10	08/01/22 06:02	08/04/22 17:06	7440-70-2	
Chromium, Dissolved	<0.0010	mg/L	0.0034	0.0010	1	08/01/22 06:02	08/04/22 03:58	7440-47-3	
Iron, Dissolved	15.1	mg/L	0.25	0.058	1	08/01/22 06:02	08/04/22 03:58	7439-89-6	CR
Lead, Dissolved	<0.00024	mg/L	0.0010	0.00024	1	08/01/22 06:02	08/04/22 03:58	7439-92-1	
Magnesium, Dissolved	75.8	mg/L	0.25	0.031	1	08/01/22 06:02	08/04/22 03:58	7439-95-4	
Manganese, Dissolved	0.76	mg/L	0.0040	0.0012	1	08/01/22 06:02	08/04/22 03:58	7439-96-5	CR
Nickel, Dissolved	0.00081J	mg/L	0.0010	0.00028	1	08/01/22 06:02	08/04/22 03:58	7440-02-0	
Potassium, Dissolved	6.1	mg/L	0.79	0.24	1	08/01/22 06:02	08/04/22 03:58	7440-09-7	
Sodium, Dissolved	185	mg/L	0.25	0.042	1	08/01/22 06:02	08/04/22 03:58	7440-23-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<5.9	ug/L	20.0	5.9	20		08/01/22 14:36	71-43-2	
Bromobenzene	<7.2	ug/L	20.0	7.2	20		08/01/22 14:36	108-86-1	
Bromochloromethane	<7.2	ug/L	100	7.2	20		08/01/22 14:36	74-97-5	
Bromodichloromethane	<8.3	ug/L	20.0	8.3	20		08/01/22 14:36	75-27-4	
Bromoform	<76.0	ug/L	100	76.0	20		08/01/22 14:36	75-25-2	
Bromomethane	<23.8	ug/L	100	23.8	20		08/01/22 14:36	74-83-9	
n-Butylbenzene	<17.1	ug/L	20.0	17.1	20		08/01/22 14:36	104-51-8	
sec-Butylbenzene	<8.5	ug/L	20.0	8.5	20		08/01/22 14:36	135-98-8	
tert-Butylbenzene	<11.7	ug/L	20.0	11.7	20		08/01/22 14:36	98-06-6	
Carbon tetrachloride	<7.4	ug/L	20.0	7.4	20		08/01/22 14:36	56-23-5	
Chlorobenzene	<17.1	ug/L	20.0	17.1	20		08/01/22 14:36	108-90-7	
Chloroethane	<27.6	ug/L	100	27.6	20		08/01/22 14:36	75-00-3	
Chloroform	<23.7	ug/L	100	23.7	20		08/01/22 14:36	67-66-3	
Chloromethane	<32.7	ug/L	100	32.7	20		08/01/22 14:36	74-87-3	
2-Chlorotoluene	<17.8	ug/L	100	17.8	20		08/01/22 14:36	95-49-8	
4-Chlorotoluene	<17.9	ug/L	100	17.9	20		08/01/22 14:36	106-43-4	
1,2-Dibromo-3-chloropropane	<47.3	ug/L	100	47.3	20		08/01/22 14:36	96-12-8	
Dibromochloromethane	<52.9	ug/L	100	52.9	20		08/01/22 14:36	124-48-1	
1,2-Dibromoethane (EDB)	<6.2	ug/L	20.0	6.2	20		08/01/22 14:36	106-93-4	
Dibromomethane	<19.8	ug/L	100	19.8	20		08/01/22 14:36	74-95-3	
1,2-Dichlorobenzene	<6.5	ug/L	20.0	6.5	20		08/01/22 14:36	95-50-1	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60646104.2 KEP

Pace Project No.: 40248902

**Sample: MW-2103**      **Lab ID: 40248902007**      Collected: 07/26/22 13:10      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,3-Dichlorobenzene	<7.0	ug/L	20.0	7.0	20		08/01/22 14:36	541-73-1	
1,4-Dichlorobenzene	<17.8	ug/L	20.0	17.8	20		08/01/22 14:36	106-46-7	
Dichlorodifluoromethane	<9.1	ug/L	100	9.1	20		08/01/22 14:36	75-71-8	
1,1-Dichloroethane	<5.9	ug/L	20.0	5.9	20		08/01/22 14:36	75-34-3	
1,2-Dichloroethane	<5.8	ug/L	20.0	5.8	20		08/01/22 14:36	107-06-2	
1,1-Dichloroethene	24.1	ug/L	20.0	11.6	20		08/01/22 14:36	75-35-4	
cis-1,2-Dichloroethene	5770	ug/L	20.0	9.4	20		08/01/22 14:36	156-59-2	
trans-1,2-Dichloroethene	92.0	ug/L	20.0	10.6	20		08/01/22 14:36	156-60-5	
1,2-Dichloropropane	<9.0	ug/L	20.0	9.0	20		08/01/22 14:36	78-87-5	
1,3-Dichloropropane	<6.1	ug/L	20.0	6.1	20		08/01/22 14:36	142-28-9	
2,2-Dichloropropane	<83.6	ug/L	100	83.6	20		08/01/22 14:36	594-20-7	
1,1-Dichloropropene	<8.2	ug/L	20.0	8.2	20		08/01/22 14:36	563-58-6	
cis-1,3-Dichloropropene	<7.2	ug/L	20.0	7.2	20		08/01/22 14:36	10061-01-5	
trans-1,3-Dichloropropene	<69.2	ug/L	100	69.2	20		08/01/22 14:36	10061-02-6	
Diisopropyl ether	<22.0	ug/L	100	22.0	20		08/01/22 14:36	108-20-3	
Ethylbenzene	<6.5	ug/L	20.0	6.5	20		08/01/22 14:36	100-41-4	
Hexachloro-1,3-butadiene	<54.7	ug/L	100	54.7	20		08/01/22 14:36	87-68-3	
Isopropylbenzene (Cumene)	<20.0	ug/L	100	20.0	20		08/01/22 14:36	98-82-8	
p-Isopropyltoluene	<20.9	ug/L	100	20.9	20		08/01/22 14:36	99-87-6	
Methylene Chloride	<6.4	ug/L	100	6.4	20		08/01/22 14:36	75-09-2	
Methyl-tert-butyl ether	<22.6	ug/L	100	22.6	20		08/01/22 14:36	1634-04-4	
Naphthalene	<22.6	ug/L	100	22.6	20		08/01/22 14:36	91-20-3	
n-Propylbenzene	<6.9	ug/L	20.0	6.9	20		08/01/22 14:36	103-65-1	
Styrene	<7.1	ug/L	20.0	7.1	20		08/01/22 14:36	100-42-5	
1,1,1,2-Tetrachloroethane	<7.1	ug/L	20.0	7.1	20		08/01/22 14:36	630-20-6	
1,1,2,2-Tetrachloroethane	<7.6	ug/L	20.0	7.6	20		08/01/22 14:36	79-34-5	
Tetrachloroethene	<8.2	ug/L	20.0	8.2	20		08/01/22 14:36	127-18-4	
Toluene	<5.8	ug/L	20.0	5.8	20		08/01/22 14:36	108-88-3	
1,2,3-Trichlorobenzene	<20.4	ug/L	100	20.4	20		08/01/22 14:36	87-61-6	
1,2,4-Trichlorobenzene	<19.0	ug/L	100	19.0	20		08/01/22 14:36	120-82-1	
1,1,1-Trichloroethane	<6.1	ug/L	20.0	6.1	20		08/01/22 14:36	71-55-6	
1,1,2-Trichloroethane	<6.9	ug/L	100	6.9	20		08/01/22 14:36	79-00-5	
Trichloroethene	<6.4	ug/L	20.0	6.4	20		08/01/22 14:36	79-01-6	
Trichlorofluoromethane	<8.4	ug/L	20.0	8.4	20		08/01/22 14:36	75-69-4	
1,2,3-Trichloropropane	<11.1	ug/L	100	11.1	20		08/01/22 14:36	96-18-4	
1,2,4-Trimethylbenzene	<9.0	ug/L	20.0	9.0	20		08/01/22 14:36	95-63-6	
1,3,5-Trimethylbenzene	<7.1	ug/L	20.0	7.1	20		08/01/22 14:36	108-67-8	
Vinyl chloride	1090	ug/L	20.0	3.5	20		08/01/22 14:36	75-01-4	
Xylene (Total)	<21.0	ug/L	60.0	21.0	20		08/01/22 14:36	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		20		08/01/22 14:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	109	%	70-130		20		08/01/22 14:36	2199-69-1	
Toluene-d8 (S)	98	%	70-130		20		08/01/22 14:36	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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



### ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: MW-2103**      **Lab ID: 40248902007**      Collected: 07/26/22 13:10      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000) Pace Analytical Services - Green Bay									
Sulfide	<b>1.6J</b>	mg/L	4.0	1.2	1		07/29/22 14:43		
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>146</b>	mg/L	40.0	8.6	20		08/01/22 16:23	16887-00-6	
Sulfate	<b>17.1J</b>	mg/L	40.0	8.9	20		08/01/22 16:23	14808-79-8	D3
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>971</b>	mg/L	125	37.2	5		08/08/22 10:56		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>450</b>	mg/L	50.0	14.7	1	08/03/22 06:15	08/03/22 08:39		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>142</b>	mg/L	15.0	4.2	30		08/03/22 13:21	7440-44-0	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60646104.2 KEP

Pace Project No.: 40248902

**Sample: MW-2103D**      **Lab ID: 40248902008**      Collected: 07/26/22 13:10      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	1.7J	ug/L	5.6	0.39	1		08/01/22 11:07	74-84-0	
Ethene	928	ug/L	25.0	1.3	5		08/01/22 14:29	74-85-1	
Methane	125	ug/L	2.8	0.58	1		08/01/22 11:07	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Iron	7.9	mg/L	0.25	0.058	1	08/01/22 05:46	08/04/22 08:07	7439-89-6	
Manganese	0.60	mg/L	0.0040	0.0012	1	08/01/22 05:46	08/04/22 08:07	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Barium, Dissolved	0.22	mg/L	0.0023	0.00070	1	08/01/22 06:02	08/04/22 04:06	7440-39-3	
Calcium, Dissolved	258	mg/L	2.5	0.76	10	08/01/22 06:02	08/04/22 17:13	7440-70-2	
Chromium, Dissolved	<0.0010	mg/L	0.0034	0.0010	1	08/01/22 06:02	08/04/22 04:06	7440-47-3	
Iron, Dissolved	7.4	mg/L	0.25	0.058	1	08/01/22 06:02	08/04/22 04:06	7439-89-6	
Lead, Dissolved	<0.00024	mg/L	0.0010	0.00024	1	08/01/22 06:02	08/04/22 04:06	7439-92-1	
Magnesium, Dissolved	57.8	mg/L	0.25	0.031	1	08/01/22 06:02	08/04/22 04:06	7439-95-4	
Manganese, Dissolved	0.61	mg/L	0.0040	0.0012	1	08/01/22 06:02	08/04/22 04:06	7439-96-5	D9
Nickel, Dissolved	0.00070J	mg/L	0.0010	0.00028	1	08/01/22 06:02	08/04/22 04:06	7440-02-0	
Potassium, Dissolved	7.1	mg/L	0.79	0.24	1	08/01/22 06:02	08/04/22 04:06	7440-09-7	
Sodium, Dissolved	141	mg/L	0.25	0.042	1	08/01/22 06:02	08/04/22 04:06	7440-23-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<5.9	ug/L	20.0	5.9	20		08/01/22 14:57	71-43-2	
Bromobenzene	<7.2	ug/L	20.0	7.2	20		08/01/22 14:57	108-86-1	
Bromochloromethane	<7.2	ug/L	100	7.2	20		08/01/22 14:57	74-97-5	
Bromodichloromethane	<8.3	ug/L	20.0	8.3	20		08/01/22 14:57	75-27-4	
Bromoform	<76.0	ug/L	100	76.0	20		08/01/22 14:57	75-25-2	
Bromomethane	<23.8	ug/L	100	23.8	20		08/01/22 14:57	74-83-9	
n-Butylbenzene	<17.1	ug/L	20.0	17.1	20		08/01/22 14:57	104-51-8	
sec-Butylbenzene	<8.5	ug/L	20.0	8.5	20		08/01/22 14:57	135-98-8	
tert-Butylbenzene	<11.7	ug/L	20.0	11.7	20		08/01/22 14:57	98-06-6	
Carbon tetrachloride	<7.4	ug/L	20.0	7.4	20		08/01/22 14:57	56-23-5	
Chlorobenzene	<17.1	ug/L	20.0	17.1	20		08/01/22 14:57	108-90-7	
Chloroethane	<27.6	ug/L	100	27.6	20		08/01/22 14:57	75-00-3	
Chloroform	<23.7	ug/L	100	23.7	20		08/01/22 14:57	67-66-3	
Chloromethane	<32.7	ug/L	100	32.7	20		08/01/22 14:57	74-87-3	
2-Chlorotoluene	<17.8	ug/L	100	17.8	20		08/01/22 14:57	95-49-8	
4-Chlorotoluene	<17.9	ug/L	100	17.9	20		08/01/22 14:57	106-43-4	
1,2-Dibromo-3-chloropropane	<47.3	ug/L	100	47.3	20		08/01/22 14:57	96-12-8	
Dibromochloromethane	<52.9	ug/L	100	52.9	20		08/01/22 14:57	124-48-1	
1,2-Dibromoethane (EDB)	<6.2	ug/L	20.0	6.2	20		08/01/22 14:57	106-93-4	
Dibromomethane	<19.8	ug/L	100	19.8	20		08/01/22 14:57	74-95-3	
1,2-Dichlorobenzene	<6.5	ug/L	20.0	6.5	20		08/01/22 14:57	95-50-1	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: MW-2103D**      **Lab ID: 40248902008**      Collected: 07/26/22 13:10      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,3-Dichlorobenzene	<7.0	ug/L	20.0	7.0	20		08/01/22 14:57	541-73-1	
1,4-Dichlorobenzene	<17.8	ug/L	20.0	17.8	20		08/01/22 14:57	106-46-7	
Dichlorodifluoromethane	<9.1	ug/L	100	9.1	20		08/01/22 14:57	75-71-8	
1,1-Dichloroethane	<5.9	ug/L	20.0	5.9	20		08/01/22 14:57	75-34-3	
1,2-Dichloroethane	<5.8	ug/L	20.0	5.8	20		08/01/22 14:57	107-06-2	
1,1-Dichloroethene	20.8	ug/L	20.0	11.6	20		08/01/22 14:57	75-35-4	
cis-1,2-Dichloroethene	4960	ug/L	20.0	9.4	20		08/01/22 14:57	156-59-2	
trans-1,2-Dichloroethene	61.4	ug/L	20.0	10.6	20		08/01/22 14:57	156-60-5	
1,2-Dichloropropane	<9.0	ug/L	20.0	9.0	20		08/01/22 14:57	78-87-5	
1,3-Dichloropropane	<6.1	ug/L	20.0	6.1	20		08/01/22 14:57	142-28-9	
2,2-Dichloropropane	<83.6	ug/L	100	83.6	20		08/01/22 14:57	594-20-7	
1,1-Dichloropropene	<8.2	ug/L	20.0	8.2	20		08/01/22 14:57	563-58-6	
cis-1,3-Dichloropropene	<7.2	ug/L	20.0	7.2	20		08/01/22 14:57	10061-01-5	
trans-1,3-Dichloropropene	<69.2	ug/L	100	69.2	20		08/01/22 14:57	10061-02-6	
Diisopropyl ether	<22.0	ug/L	100	22.0	20		08/01/22 14:57	108-20-3	
Ethylbenzene	<6.5	ug/L	20.0	6.5	20		08/01/22 14:57	100-41-4	
Hexachloro-1,3-butadiene	<54.7	ug/L	100	54.7	20		08/01/22 14:57	87-68-3	
Isopropylbenzene (Cumene)	<20.0	ug/L	100	20.0	20		08/01/22 14:57	98-82-8	
p-Isopropyltoluene	<20.9	ug/L	100	20.9	20		08/01/22 14:57	99-87-6	
Methylene Chloride	<6.4	ug/L	100	6.4	20		08/01/22 14:57	75-09-2	
Methyl-tert-butyl ether	<22.6	ug/L	100	22.6	20		08/01/22 14:57	1634-04-4	
Naphthalene	<22.6	ug/L	100	22.6	20		08/01/22 14:57	91-20-3	
n-Propylbenzene	<6.9	ug/L	20.0	6.9	20		08/01/22 14:57	103-65-1	
Styrene	<7.1	ug/L	20.0	7.1	20		08/01/22 14:57	100-42-5	
1,1,1,2-Tetrachloroethane	<7.1	ug/L	20.0	7.1	20		08/01/22 14:57	630-20-6	
1,1,2,2-Tetrachloroethane	<7.6	ug/L	20.0	7.6	20		08/01/22 14:57	79-34-5	
Tetrachloroethene	<8.2	ug/L	20.0	8.2	20		08/01/22 14:57	127-18-4	
Toluene	<5.8	ug/L	20.0	5.8	20		08/01/22 14:57	108-88-3	
1,2,3-Trichlorobenzene	<20.4	ug/L	100	20.4	20		08/01/22 14:57	87-61-6	
1,2,4-Trichlorobenzene	<19.0	ug/L	100	19.0	20		08/01/22 14:57	120-82-1	
1,1,1-Trichloroethane	<6.1	ug/L	20.0	6.1	20		08/01/22 14:57	71-55-6	
1,1,2-Trichloroethane	<6.9	ug/L	100	6.9	20		08/01/22 14:57	79-00-5	
Trichloroethene	<6.4	ug/L	20.0	6.4	20		08/01/22 14:57	79-01-6	
Trichlorofluoromethane	<8.4	ug/L	20.0	8.4	20		08/01/22 14:57	75-69-4	
1,2,3-Trichloropropane	<11.1	ug/L	100	11.1	20		08/01/22 14:57	96-18-4	
1,2,4-Trimethylbenzene	<9.0	ug/L	20.0	9.0	20		08/01/22 14:57	95-63-6	
1,3,5-Trimethylbenzene	<7.1	ug/L	20.0	7.1	20		08/01/22 14:57	108-67-8	
Vinyl chloride	1230	ug/L	20.0	3.5	20		08/01/22 14:57	75-01-4	
Xylene (Total)	<21.0	ug/L	60.0	21.0	20		08/01/22 14:57	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		20		08/01/22 14:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		20		08/01/22 14:57	2199-69-1	
Toluene-d8 (S)	96	%	70-130		20		08/01/22 14:57	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: MW-2103D**      **Lab ID: 40248902008**      Collected: 07/26/22 13:10      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000) Pace Analytical Services - Green Bay									
Sulfide	<b>2.2J</b>	mg/L	4.0	1.2	1		07/29/22 14:46		
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>146</b>	mg/L	40.0	8.6	20		08/01/22 16:38	16887-00-6	
Sulfate	<b>18.8J</b>	mg/L	40.0	8.9	20		08/01/22 16:38	14808-79-8	D3
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	<b>981</b>	mg/L	125	37.2	5		08/08/22 10:57		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>509</b>	mg/L	100	29.5	1	08/03/22 06:15	08/03/22 08:39		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>134</b>	mg/L	15.0	4.2	30		08/03/22 13:34	7440-44-0	

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60646104.2 KEP

Pace Project No.: 40248902

**Sample: PZ-2103**      **Lab ID: 40248902009**      Collected: 07/26/22 14:15      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	281	ug/L	5.6	0.39	1		08/01/22 11:14	74-84-0	pH
Ethene	1430	ug/L	50.0	2.5	10		08/01/22 14:36	74-85-1	pH
Methane	66.3	ug/L	2.8	0.58	1		08/01/22 11:14	74-82-8	pH
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Iron	18.4	mg/L	2.5	0.58	10	08/01/22 05:46	08/04/22 08:14	7439-89-6	
Manganese	0.88	mg/L	0.040	0.012	10	08/01/22 05:46	08/04/22 08:14	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Barium, Dissolved	0.045J	mg/L	0.047	0.014	20	08/01/22 06:02	08/04/22 04:42	7440-39-3	D3
Calcium, Dissolved	362	mg/L	5.1	1.5	20	08/01/22 06:02	08/04/22 04:42	7440-70-2	
Chromium, Dissolved	<0.020	mg/L	0.068	0.020	20	08/01/22 06:02	08/04/22 04:42	7440-47-3	D3
Iron, Dissolved	19.2	mg/L	5.0	1.2	20	08/01/22 06:02	08/04/22 04:42	7439-89-6	D9
Lead, Dissolved	<0.0047	mg/L	0.020	0.0047	20	08/01/22 06:02	08/04/22 04:42	7439-92-1	D3
Magnesium, Dissolved	291	mg/L	5.0	0.62	20	08/01/22 06:02	08/04/22 04:42	7439-95-4	
Manganese, Dissolved	0.88	mg/L	0.081	0.024	20	08/01/22 06:02	08/04/22 04:42	7439-96-5	
Nickel, Dissolved	0.0071J	mg/L	0.020	0.0057	20	08/01/22 06:02	08/04/22 04:42	7440-02-0	D3
Potassium, Dissolved	12.7J	mg/L	15.8	4.7	20	08/01/22 06:02	08/04/22 04:42	7440-09-7	D3
Sodium, Dissolved	7880	mg/L	25.0	4.2	100	08/01/22 06:02	08/04/22 17:20	7440-23-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<59.1	ug/L	200	59.1	200		07/29/22 20:28	71-43-2	
Bromobenzene	<72.2	ug/L	200	72.2	200		07/29/22 20:28	108-86-1	
Bromochloromethane	<71.6	ug/L	1000	71.6	200		07/29/22 20:28	74-97-5	
Bromodichloromethane	<83.1	ug/L	200	83.1	200		07/29/22 20:28	75-27-4	
Bromoform	<760	ug/L	1000	760	200		07/29/22 20:28	75-25-2	
Bromomethane	<238	ug/L	1000	238	200		07/29/22 20:28	74-83-9	
n-Butylbenzene	<171	ug/L	200	171	200		07/29/22 20:28	104-51-8	
sec-Butylbenzene	<84.8	ug/L	200	84.8	200		07/29/22 20:28	135-98-8	
tert-Butylbenzene	<117	ug/L	200	117	200		07/29/22 20:28	98-06-6	
Carbon tetrachloride	<73.9	ug/L	200	73.9	200		07/29/22 20:28	56-23-5	
Chlorobenzene	<171	ug/L	200	171	200		07/29/22 20:28	108-90-7	
Chloroethane	<276	ug/L	1000	276	200		07/29/22 20:28	75-00-3	
Chloroform	<237	ug/L	1000	237	200		07/29/22 20:28	67-66-3	
Chloromethane	<327	ug/L	1000	327	200		07/29/22 20:28	74-87-3	
2-Chlorotoluene	<178	ug/L	1000	178	200		07/29/22 20:28	95-49-8	
4-Chlorotoluene	<179	ug/L	1000	179	200		07/29/22 20:28	106-43-4	
1,2-Dibromo-3-chloropropane	<473	ug/L	1000	473	200		07/29/22 20:28	96-12-8	
Dibromochloromethane	<529	ug/L	1000	529	200		07/29/22 20:28	124-48-1	
1,2-Dibromoethane (EDB)	<61.8	ug/L	200	61.8	200		07/29/22 20:28	106-93-4	
Dibromomethane	<198	ug/L	1000	198	200		07/29/22 20:28	74-95-3	
1,2-Dichlorobenzene	<65.2	ug/L	200	65.2	200		07/29/22 20:28	95-50-1	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: PZ-2103**      **Lab ID: 40248902009**      Collected: 07/26/22 14:15      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,3-Dichlorobenzene	<70.2	ug/L	200	70.2	200		07/29/22 20:28	541-73-1	
1,4-Dichlorobenzene	<178	ug/L	200	178	200		07/29/22 20:28	106-46-7	
Dichlorodifluoromethane	<91.1	ug/L	1000	91.1	200		07/29/22 20:28	75-71-8	
1,1-Dichloroethane	<59.1	ug/L	200	59.1	200		07/29/22 20:28	75-34-3	
1,2-Dichloroethane	<58.3	ug/L	200	58.3	200		07/29/22 20:28	107-06-2	
1,1-Dichloroethene	<116	ug/L	200	116	200		07/29/22 20:28	75-35-4	
cis-1,2-Dichloroethene	14300	ug/L	200	94.3	200		07/29/22 20:28	156-59-2	
trans-1,2-Dichloroethene	<106	ug/L	200	106	200		07/29/22 20:28	156-60-5	
1,2-Dichloropropane	<89.6	ug/L	200	89.6	200		07/29/22 20:28	78-87-5	
1,3-Dichloropropane	<61.0	ug/L	200	61.0	200		07/29/22 20:28	142-28-9	
2,2-Dichloropropane	<836	ug/L	1000	836	200		07/29/22 20:28	594-20-7	
1,1-Dichloropropene	<82.1	ug/L	200	82.1	200		07/29/22 20:28	563-58-6	
cis-1,3-Dichloropropene	<71.6	ug/L	200	71.6	200		07/29/22 20:28	10061-01-5	
trans-1,3-Dichloropropene	<692	ug/L	1000	692	200		07/29/22 20:28	10061-02-6	
Diisopropyl ether	<220	ug/L	1000	220	200		07/29/22 20:28	108-20-3	
Ethylbenzene	<65.0	ug/L	200	65.0	200		07/29/22 20:28	100-41-4	
Hexachloro-1,3-butadiene	<547	ug/L	1000	547	200		07/29/22 20:28	87-68-3	
Isopropylbenzene (Cumene)	<200	ug/L	1000	200	200		07/29/22 20:28	98-82-8	
p-Isopropyltoluene	<209	ug/L	1000	209	200		07/29/22 20:28	99-87-6	
Methylene Chloride	<63.9	ug/L	1000	63.9	200		07/29/22 20:28	75-09-2	
Methyl-tert-butyl ether	<226	ug/L	1000	226	200		07/29/22 20:28	1634-04-4	
Naphthalene	<226	ug/L	1000	226	200		07/29/22 20:28	91-20-3	
n-Propylbenzene	<69.1	ug/L	200	69.1	200		07/29/22 20:28	103-65-1	
Styrene	<71.3	ug/L	200	71.3	200		07/29/22 20:28	100-42-5	
1,1,1,2-Tetrachloroethane	<71.1	ug/L	200	71.1	200		07/29/22 20:28	630-20-6	
1,1,1,2,2-Tetrachloroethane	<75.6	ug/L	200	75.6	200		07/29/22 20:28	79-34-5	
Tetrachloroethene	<81.7	ug/L	200	81.7	200		07/29/22 20:28	127-18-4	
Toluene	<57.6	ug/L	200	57.6	200		07/29/22 20:28	108-88-3	
1,2,3-Trichlorobenzene	<204	ug/L	1000	204	200		07/29/22 20:28	87-61-6	
1,2,4-Trichlorobenzene	<190	ug/L	1000	190	200		07/29/22 20:28	120-82-1	
1,1,1-Trichloroethane	<60.5	ug/L	200	60.5	200		07/29/22 20:28	71-55-6	
1,1,2-Trichloroethane	<68.9	ug/L	1000	68.9	200		07/29/22 20:28	79-00-5	
Trichloroethene	35300	ug/L	200	63.9	200		07/29/22 20:28	79-01-6	
Trichlorofluoromethane	<83.7	ug/L	200	83.7	200		07/29/22 20:28	75-69-4	
1,2,3-Trichloropropane	<111	ug/L	1000	111	200		07/29/22 20:28	96-18-4	
1,2,4-Trimethylbenzene	<89.7	ug/L	200	89.7	200		07/29/22 20:28	95-63-6	
1,3,5-Trimethylbenzene	<71.5	ug/L	200	71.5	200		07/29/22 20:28	108-67-8	
Vinyl chloride	65.7J	ug/L	200	34.9	200		07/29/22 20:28	75-01-4	
Xylene (Total)	<210	ug/L	600	210	200		07/29/22 20:28	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		200		07/29/22 20:28	460-00-4	pH
1,2-Dichlorobenzene-d4 (S)	109	%	70-130		200		07/29/22 20:28	2199-69-1	
Toluene-d8 (S)	99	%	70-130		200		07/29/22 20:28	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: PZ-2103**      **Lab ID: 4024890209**      Collected: 07/26/22 14:15      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000) Pace Analytical Services - Green Bay									
Sulfide	<b>40.0</b>	mg/L	39.9	12.0	10		08/01/22 13:04		1q
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>500</b>	mg/L	100	21.6	50		08/01/22 16:52	16887-00-6	
Sulfate	<b>11500</b>	mg/L	1000	222	500		08/02/22 12:36	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	<b>3410</b>	mg/L	250	74.4	10		08/08/22 10:58		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>2590</b>	mg/L	500	147	1	08/03/22 06:15	08/03/22 08:41		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>733</b>	mg/L	30.0	8.3	60		08/03/22 13:48	7440-44-0	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60646104.2 KEP

Pace Project No.: 40248902

**Sample: PZ-2103D**      **Lab ID: 40248902010**      Collected: 07/26/22 14:15      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	291	ug/L	5.6	0.39	1		08/01/22 11:21	74-84-0	pH
Ethene	2480	ug/L	50.0	2.5	10		08/01/22 14:43	74-85-1	pH
Methane	69.7	ug/L	2.8	0.58	1		08/01/22 11:21	74-82-8	pH
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Iron	23.9	mg/L	2.5	0.58	10	08/01/22 05:46	08/04/22 08:22	7439-89-6	
Manganese	0.87	mg/L	0.040	0.012	10	08/01/22 05:46	08/04/22 08:22	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Barium, Dissolved	0.026J	mg/L	0.047	0.014	20	08/01/22 06:02	08/04/22 04:50	7440-39-3	D3
Calcium, Dissolved	374	mg/L	5.1	1.5	20	08/01/22 06:02	08/04/22 04:50	7440-70-2	
Chromium, Dissolved	<0.020	mg/L	0.068	0.020	20	08/01/22 06:02	08/04/22 04:50	7440-47-3	D3
Iron, Dissolved	7.7	mg/L	5.0	1.2	20	08/01/22 06:02	08/04/22 04:50	7439-89-6	
Lead, Dissolved	<0.0047	mg/L	0.020	0.0047	20	08/01/22 06:02	08/04/22 04:50	7439-92-1	D3
Magnesium, Dissolved	249	mg/L	5.0	0.62	20	08/01/22 06:02	08/04/22 04:50	7439-95-4	
Manganese, Dissolved	0.89	mg/L	0.081	0.024	20	08/01/22 06:02	08/04/22 04:50	7439-96-5	D9
Nickel, Dissolved	<0.0057	mg/L	0.020	0.0057	20	08/01/22 06:02	08/04/22 04:50	7440-02-0	D3
Potassium, Dissolved	10.4J	mg/L	15.8	4.7	20	08/01/22 06:02	08/04/22 04:50	7440-09-7	D3
Sodium, Dissolved	6140	mg/L	12.5	2.1	50	08/01/22 06:02	08/04/22 05:26	7440-23-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<59.1	ug/L	200	59.1	200		07/29/22 20:49	71-43-2	
Bromobenzene	<72.2	ug/L	200	72.2	200		07/29/22 20:49	108-86-1	
Bromochloromethane	<71.6	ug/L	1000	71.6	200		07/29/22 20:49	74-97-5	
Bromodichloromethane	<83.1	ug/L	200	83.1	200		07/29/22 20:49	75-27-4	
Bromoform	<760	ug/L	1000	760	200		07/29/22 20:49	75-25-2	
Bromomethane	<238	ug/L	1000	238	200		07/29/22 20:49	74-83-9	
n-Butylbenzene	<171	ug/L	200	171	200		07/29/22 20:49	104-51-8	
sec-Butylbenzene	<84.8	ug/L	200	84.8	200		07/29/22 20:49	135-98-8	
tert-Butylbenzene	<117	ug/L	200	117	200		07/29/22 20:49	98-06-6	
Carbon tetrachloride	<73.9	ug/L	200	73.9	200		07/29/22 20:49	56-23-5	
Chlorobenzene	<171	ug/L	200	171	200		07/29/22 20:49	108-90-7	
Chloroethane	<276	ug/L	1000	276	200		07/29/22 20:49	75-00-3	
Chloroform	<237	ug/L	1000	237	200		07/29/22 20:49	67-66-3	
Chloromethane	<327	ug/L	1000	327	200		07/29/22 20:49	74-87-3	
2-Chlorotoluene	<178	ug/L	1000	178	200		07/29/22 20:49	95-49-8	
4-Chlorotoluene	<179	ug/L	1000	179	200		07/29/22 20:49	106-43-4	
1,2-Dibromo-3-chloropropane	<473	ug/L	1000	473	200		07/29/22 20:49	96-12-8	
Dibromochloromethane	<529	ug/L	1000	529	200		07/29/22 20:49	124-48-1	
1,2-Dibromoethane (EDB)	<61.8	ug/L	200	61.8	200		07/29/22 20:49	106-93-4	
Dibromomethane	<198	ug/L	1000	198	200		07/29/22 20:49	74-95-3	
1,2-Dichlorobenzene	<65.2	ug/L	200	65.2	200		07/29/22 20:49	95-50-1	

### REPORT OF LABORATORY ANALYSIS

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



### ANALYTICAL RESULTS

Project: 60646104.2 KEP

Pace Project No.: 40248902

**Sample: PZ-2103D**      **Lab ID: 40248902010**      Collected: 07/26/22 14:15      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,3-Dichlorobenzene	<70.2	ug/L	200	70.2	200		07/29/22 20:49	541-73-1	
1,4-Dichlorobenzene	<178	ug/L	200	178	200		07/29/22 20:49	106-46-7	
Dichlorodifluoromethane	<91.1	ug/L	1000	91.1	200		07/29/22 20:49	75-71-8	
1,1-Dichloroethane	<59.1	ug/L	200	59.1	200		07/29/22 20:49	75-34-3	
1,2-Dichloroethane	<58.3	ug/L	200	58.3	200		07/29/22 20:49	107-06-2	
1,1-Dichloroethene	<116	ug/L	200	116	200		07/29/22 20:49	75-35-4	
cis-1,2-Dichloroethene	12200	ug/L	200	94.3	200		07/29/22 20:49	156-59-2	
trans-1,2-Dichloroethene	<106	ug/L	200	106	200		07/29/22 20:49	156-60-5	
1,2-Dichloropropane	<89.6	ug/L	200	89.6	200		07/29/22 20:49	78-87-5	
1,3-Dichloropropane	<61.0	ug/L	200	61.0	200		07/29/22 20:49	142-28-9	
2,2-Dichloropropane	<836	ug/L	1000	836	200		07/29/22 20:49	594-20-7	
1,1-Dichloropropene	<82.1	ug/L	200	82.1	200		07/29/22 20:49	563-58-6	
cis-1,3-Dichloropropene	<71.6	ug/L	200	71.6	200		07/29/22 20:49	10061-01-5	
trans-1,3-Dichloropropene	<692	ug/L	1000	692	200		07/29/22 20:49	10061-02-6	
Diisopropyl ether	<220	ug/L	1000	220	200		07/29/22 20:49	108-20-3	
Ethylbenzene	<65.0	ug/L	200	65.0	200		07/29/22 20:49	100-41-4	
Hexachloro-1,3-butadiene	<547	ug/L	1000	547	200		07/29/22 20:49	87-68-3	
Isopropylbenzene (Cumene)	<200	ug/L	1000	200	200		07/29/22 20:49	98-82-8	
p-Isopropyltoluene	<209	ug/L	1000	209	200		07/29/22 20:49	99-87-6	
Methylene Chloride	<63.9	ug/L	1000	63.9	200		07/29/22 20:49	75-09-2	
Methyl-tert-butyl ether	<226	ug/L	1000	226	200		07/29/22 20:49	1634-04-4	
Naphthalene	<226	ug/L	1000	226	200		07/29/22 20:49	91-20-3	
n-Propylbenzene	<69.1	ug/L	200	69.1	200		07/29/22 20:49	103-65-1	
Styrene	<71.3	ug/L	200	71.3	200		07/29/22 20:49	100-42-5	
1,1,1,2-Tetrachloroethane	<71.1	ug/L	200	71.1	200		07/29/22 20:49	630-20-6	
1,1,1,2-Tetrachloroethane	<75.6	ug/L	200	75.6	200		07/29/22 20:49	79-34-5	
Tetrachloroethene	<81.7	ug/L	200	81.7	200		07/29/22 20:49	127-18-4	
Toluene	<57.6	ug/L	200	57.6	200		07/29/22 20:49	108-88-3	
1,2,3-Trichlorobenzene	<204	ug/L	1000	204	200		07/29/22 20:49	87-61-6	
1,2,4-Trichlorobenzene	<190	ug/L	1000	190	200		07/29/22 20:49	120-82-1	
1,1,1-Trichloroethane	<60.5	ug/L	200	60.5	200		07/29/22 20:49	71-55-6	
1,1,2-Trichloroethane	<68.9	ug/L	1000	68.9	200		07/29/22 20:49	79-00-5	
Trichloroethene	29800	ug/L	200	63.9	200		07/29/22 20:49	79-01-6	
Trichlorofluoromethane	<83.7	ug/L	200	83.7	200		07/29/22 20:49	75-69-4	
1,2,3-Trichloropropane	<111	ug/L	1000	111	200		07/29/22 20:49	96-18-4	
1,2,4-Trimethylbenzene	<89.7	ug/L	200	89.7	200		07/29/22 20:49	95-63-6	
1,3,5-Trimethylbenzene	<71.5	ug/L	200	71.5	200		07/29/22 20:49	108-67-8	
Vinyl chloride	56.3J	ug/L	200	34.9	200		07/29/22 20:49	75-01-4	
Xylene (Total)	<210	ug/L	600	210	200		07/29/22 20:49	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-130		200		07/29/22 20:49	460-00-4	pH
1,2-Dichlorobenzene-d4 (S)	109	%	70-130		200		07/29/22 20:49	2199-69-1	
Toluene-d8 (S)	99	%	70-130		200		07/29/22 20:49	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: PZ-2103D**      **Lab ID: 40248902010**      Collected: 07/26/22 14:15      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000) Pace Analytical Services - Green Bay									
Sulfide	<b>24.0J</b>	mg/L	39.9	12.0	10		08/01/22 13:05		D3
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>528</b>	mg/L	100	21.6	50		08/01/22 17:07	16887-00-6	
Sulfate	<b>12700</b>	mg/L	1000	222	500		08/02/22 12:50	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	<b>3660</b>	mg/L	250	74.4	10		08/08/22 10:59		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>2590</b>	mg/L	500	147	1	08/03/22 06:15	08/03/22 08:41		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>780</b>	mg/L	30.0	8.3	60		08/03/22 14:05	7440-44-0	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: MW-2111**      **Lab ID: 40248902011**      Collected: 07/26/22 11:45      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	157	ug/L	5.6	0.39	1		08/01/22 11:28	74-84-0	
Ethene	255	ug/L	5.0	0.25	1		08/01/22 11:28	74-85-1	
Methane	247	ug/L	5.6	1.2	2		08/01/22 14:50	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Iron	459	mg/L	2.5	0.58	10	08/01/22 05:46	08/04/22 08:29	7439-89-6	
Manganese	0.62	mg/L	0.040	0.012	10	08/01/22 05:46	08/04/22 08:29	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Barium, Dissolved	0.026	mg/L	0.0047	0.0014	2	08/01/22 06:02	08/04/22 05:34	7440-39-3	
Chromium, Dissolved	<0.0020	mg/L	0.0068	0.0020	2	08/01/22 06:02	08/04/22 05:34	7440-47-3	D3
Iron, Dissolved	379	mg/L	2.5	0.58	10	08/01/22 06:02	08/04/22 05:12	7439-89-6	
Lead, Dissolved	<0.00047	mg/L	0.0020	0.00047	2	08/01/22 06:02	08/04/22 05:34	7439-92-1	D3
Manganese, Dissolved	0.55	mg/L	0.0081	0.0024	2	08/01/22 06:02	08/04/22 05:34	7439-96-5	
Nickel, Dissolved	<0.00057	mg/L	0.0020	0.00057	2	08/01/22 06:02	08/04/22 05:34	7440-02-0	D3
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	1.4	ug/L	1.0	0.30	1		07/29/22 16:48	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/29/22 16:48	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/29/22 16:48	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/29/22 16:48	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/29/22 16:48	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/29/22 16:48	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/29/22 16:48	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/29/22 16:48	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/29/22 16:48	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/29/22 16:48	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/29/22 16:48	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/29/22 16:48	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/29/22 16:48	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/29/22 16:48	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/29/22 16:48	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/29/22 16:48	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/29/22 16:48	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/29/22 16:48	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/29/22 16:48	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/29/22 16:48	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/29/22 16:48	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/29/22 16:48	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/29/22 16:48	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/29/22 16:48	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/29/22 16:48	75-34-3	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: MW-2111**      **Lab ID: 40248902011**      Collected: 07/26/22 11:45      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/29/22 16:48	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/29/22 16:48	75-35-4	
cis-1,2-Dichloroethene	801	ug/L	5.0	2.4	5		08/01/22 15:38	156-59-2	M1
trans-1,2-Dichloroethene	0.64J	ug/L	1.0	0.53	1		07/29/22 16:48	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/29/22 16:48	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/29/22 16:48	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/29/22 16:48	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/29/22 16:48	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/29/22 16:48	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/29/22 16:48	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/29/22 16:48	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/29/22 16:48	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/29/22 16:48	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/29/22 16:48	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/29/22 16:48	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/29/22 16:48	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/29/22 16:48	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/29/22 16:48	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/29/22 16:48	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/29/22 16:48	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/29/22 16:48	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/29/22 16:48	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/29/22 16:48	127-18-4	
Toluene	0.34J	ug/L	1.0	0.29	1		07/29/22 16:48	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/29/22 16:48	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/29/22 16:48	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/29/22 16:48	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/29/22 16:48	79-00-5	
Trichloroethene	1.3	ug/L	1.0	0.32	1		07/29/22 16:48	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/29/22 16:48	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/29/22 16:48	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/29/22 16:48	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/29/22 16:48	108-67-8	
Vinyl chloride	13.9	ug/L	1.0	0.17	1		07/29/22 16:48	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/29/22 16:48	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		07/29/22 16:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		07/29/22 16:48	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		07/29/22 16:48	2037-26-5	
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<12.0	mg/L	39.9	12.0	10		08/01/22 13:07		D3

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: MW-2111**      **Lab ID: 4024890211**      Collected: 07/26/22 11:45      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>72.3</b>	mg/L	20.0	4.3	10		08/01/22 17:21	16887-00-6	
Sulfate	<b>&lt;4.4</b>	mg/L	20.0	4.4	10		08/01/22 17:21	14808-79-8	D3
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>1980</b>	mg/L	250	74.4	10		08/08/22 11:00		M0
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>3860</b>	mg/L	400	118	1	08/03/22 06:15	08/03/22 08:41		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>1160</b>	mg/L	50.0	13.8	100		08/03/22 14:22	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60646104.2 KEP

Pace Project No.: 40248902

**Sample: PZ-2111**      **Lab ID: 4024890212**      Collected: 07/26/22 13:00      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	37.1	ug/L	5.6	0.39	1		08/01/22 11:56	74-84-0	pH
Ethene	46.9	ug/L	5.0	0.25	1		08/01/22 11:56	74-85-1	pH
Methane	4190	ug/L	70.0	14.4	25		08/01/22 15:12	74-82-8	pH
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	311	mg/L	2.5	0.58	10	08/01/22 05:46	08/04/22 08:36	7439-89-6	
Manganese	1.3	mg/L	0.040	0.012	10	08/01/22 05:46	08/04/22 08:36	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Barium, Dissolved	2.1	mg/L	0.0047	0.0014	2	08/01/22 06:02	08/04/22 05:41	7440-39-3	
Chromium, Dissolved	<0.0020	mg/L	0.0068	0.0020	2	08/01/22 06:02	08/04/22 05:41	7440-47-3	D3
Iron, Dissolved	296	mg/L	0.50	0.12	2	08/01/22 06:02	08/04/22 05:41	7439-89-6	
Lead, Dissolved	<0.00047	mg/L	0.0020	0.00047	2	08/01/22 06:02	08/04/22 05:41	7439-92-1	D3
Manganese, Dissolved	1.3	mg/L	0.0081	0.0024	2	08/01/22 06:02	08/04/22 05:41	7439-96-5	
Nickel, Dissolved	<0.00057	mg/L	0.0020	0.00057	2	08/01/22 06:02	08/04/22 05:41	7440-02-0	D3
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		08/01/22 18:59	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		08/01/22 18:59	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/01/22 18:59	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		08/01/22 18:59	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		08/01/22 18:59	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		08/01/22 18:59	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		08/01/22 18:59	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		08/01/22 18:59	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		08/01/22 18:59	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		08/01/22 18:59	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		08/01/22 18:59	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		08/01/22 18:59	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		08/01/22 18:59	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		08/01/22 18:59	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		08/01/22 18:59	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		08/01/22 18:59	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		08/01/22 18:59	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		08/01/22 18:59	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		08/01/22 18:59	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		08/01/22 18:59	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		08/01/22 18:59	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		08/01/22 18:59	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		08/01/22 18:59	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		08/01/22 18:59	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		08/01/22 18:59	75-34-3	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: PZ-2111**      **Lab ID: 40248902012**      Collected: 07/26/22 13:00      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		08/01/22 18:59	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		08/01/22 18:59	75-35-4	
cis-1,2-Dichloroethene	51.1	ug/L	1.0	0.47	1		08/01/22 18:59	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		08/01/22 18:59	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		08/01/22 18:59	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		08/01/22 18:59	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		08/01/22 18:59	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		08/01/22 18:59	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		08/01/22 18:59	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		08/01/22 18:59	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		08/01/22 18:59	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		08/01/22 18:59	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		08/01/22 18:59	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		08/01/22 18:59	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		08/01/22 18:59	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		08/01/22 18:59	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		08/01/22 18:59	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		08/01/22 18:59	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		08/01/22 18:59	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		08/01/22 18:59	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		08/01/22 18:59	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		08/01/22 18:59	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		08/01/22 18:59	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		08/01/22 18:59	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		08/01/22 18:59	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/01/22 18:59	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		08/01/22 18:59	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		08/01/22 18:59	79-00-5	
Trichloroethene	0.41J	ug/L	1.0	0.32	1		08/01/22 18:59	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		08/01/22 18:59	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		08/01/22 18:59	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		08/01/22 18:59	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		08/01/22 18:59	108-67-8	
Vinyl chloride	3.9	ug/L	1.0	0.17	1		08/01/22 18:59	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		08/01/22 18:59	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	114	%	70-130		1		08/01/22 18:59	460-00-4	pH
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		08/01/22 18:59	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		08/01/22 18:59	2037-26-5	
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<12.0	mg/L	39.9	12.0	10		08/01/22 13:10		D3

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60646104.2 KEP

Pace Project No.: 40248902

---

**Sample: PZ-2111**      **Lab ID: 4024890212**      Collected: 07/26/22 13:00      Received: 07/28/22 08:00      Matrix: Water

---

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>83.2</b>	mg/L	20.0	4.3	10		08/01/22 17:35	16887-00-6	
Sulfate	<b>&lt;4.4</b>	mg/L	20.0	4.4	10		08/01/22 17:35	14808-79-8	D3
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>3790</b>	mg/L	250	74.4	10		08/08/22 11:03		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>16500</b>	mg/L	1000	295	1	08/04/22 05:41	08/04/22 08:37		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>2830</b>	mg/L	300	83.0	600		08/03/22 14:36	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

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



### ANALYTICAL RESULTS

Project: 60646104.2 KEP

Pace Project No.: 40248902

**Sample: PZ-2301**      **Lab ID: 40248902013**      Collected: 07/26/22 10:05      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	7.3	ug/L	5.6	0.39	1		08/01/22 12:03	74-84-0	
Ethene	5.9	ug/L	5.0	0.25	1		08/01/22 12:03	74-85-1	
Methane	1730	ug/L	56.0	11.5	20		08/01/22 15:20	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	0.22J	mg/L	0.25	0.058	1	08/01/22 05:46	08/04/22 09:13	7439-89-6	
Manganese	0.0041	mg/L	0.0040	0.0012	1	08/01/22 05:46	08/04/22 09:13	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Barium, Dissolved	0.055	mg/L	0.0023	0.00070	1	08/01/22 06:02	08/04/22 04:13	7440-39-3	
Chromium, Dissolved	<0.0010	mg/L	0.0034	0.0010	1	08/01/22 06:02	08/04/22 04:13	7440-47-3	
Iron, Dissolved	0.079J	mg/L	0.25	0.058	1	08/01/22 06:02	08/04/22 04:13	7439-89-6	
Lead, Dissolved	<0.00024	mg/L	0.0010	0.00024	1	08/01/22 06:02	08/04/22 04:13	7439-92-1	
Manganese, Dissolved	0.0035J	mg/L	0.0040	0.0012	1	08/01/22 06:02	08/04/22 04:13	7439-96-5	
Nickel, Dissolved	0.00047J	mg/L	0.0010	0.00028	1	08/01/22 06:02	08/04/22 04:13	7440-02-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/29/22 17:51	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/29/22 17:51	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/29/22 17:51	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/29/22 17:51	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/29/22 17:51	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/29/22 17:51	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/29/22 17:51	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/29/22 17:51	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/29/22 17:51	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/29/22 17:51	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/29/22 17:51	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/29/22 17:51	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/29/22 17:51	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/29/22 17:51	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/29/22 17:51	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/29/22 17:51	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/29/22 17:51	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/29/22 17:51	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/29/22 17:51	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/29/22 17:51	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/29/22 17:51	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/29/22 17:51	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/29/22 17:51	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/29/22 17:51	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/29/22 17:51	75-34-3	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60646104.2 KEP

Pace Project No.: 40248902

**Sample: PZ-2301**      **Lab ID: 40248902013**      Collected: 07/26/22 10:05      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/29/22 17:51	107-06-2	
1,1-Dichloroethane	<0.58	ug/L	1.0	0.58	1		07/29/22 17:51	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		08/01/22 12:32	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/29/22 17:51	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/29/22 17:51	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/29/22 17:51	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/29/22 17:51	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/29/22 17:51	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/29/22 17:51	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/29/22 17:51	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/29/22 17:51	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/29/22 17:51	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/29/22 17:51	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/29/22 17:51	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/29/22 17:51	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/29/22 17:51	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/29/22 17:51	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/29/22 17:51	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/29/22 17:51	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/29/22 17:51	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/29/22 17:51	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/29/22 17:51	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/29/22 17:51	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/29/22 17:51	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/29/22 17:51	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/29/22 17:51	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/29/22 17:51	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/29/22 17:51	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/29/22 17:51	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/29/22 17:51	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/29/22 17:51	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/29/22 17:51	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/29/22 17:51	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/29/22 17:51	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/29/22 17:51	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	102	%	70-130		1		07/29/22 17:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		07/29/22 17:51	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		07/29/22 17:51	2037-26-5	

**4500S2F Sulfide, Iodometric**

Analytical Method: SM 4500-S F (2000)

Pace Analytical Services - Green Bay

Sulfide	<1.2	mg/L	4.0	1.2	1		08/01/22 13:12		
---------	------	------	-----	-----	---	--	----------------	--	--

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60646104.2 KEP

Pace Project No.: 40248902

**Sample: PZ-2301**      **Lab ID: 40248902013**      Collected: 07/26/22 10:05      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	<b>24.9</b>	mg/L	10.0	2.2	5		08/01/22 17:50	16887-00-6	
Sulfate	<b>26.0</b>	mg/L	10.0	2.2	5		08/01/22 17:50	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>164</b>	mg/L	125	37.2	5		08/08/22 11:07		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4									
Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>114</b>	mg/L	50.0	14.7	1	08/04/22 05:41	08/04/22 08:37		
<b>5310C TOC</b>									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>43.9</b>	mg/L	30.0	8.3	60		08/03/22 14:50	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: PZ-2301D**      **Lab ID: 40248902014**      Collected: 07/26/22 10:05      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	8.2	ug/L	5.6	0.39	1		08/01/22 12:10	74-84-0	
Ethene	6.5	ug/L	5.0	0.25	1		08/01/22 12:10	74-85-1	
Methane	2320	ug/L	56.0	11.5	20		08/01/22 15:38	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Iron	0.21J	mg/L	0.25	0.058	1	08/01/22 05:46	08/04/22 09:20	7439-89-6	
Manganese	0.0049	mg/L	0.0040	0.0012	1	08/01/22 05:46	08/04/22 09:20	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Barium, Dissolved	0.058	mg/L	0.0023	0.00070	1	08/01/22 06:02	08/04/22 04:20	7440-39-3	
Chromium, Dissolved	<0.0010	mg/L	0.0034	0.0010	1	08/01/22 06:02	08/04/22 04:20	7440-47-3	
Iron, Dissolved	0.061J	mg/L	0.25	0.058	1	08/01/22 06:02	08/04/22 04:20	7439-89-6	
Lead, Dissolved	<0.00024	mg/L	0.0010	0.00024	1	08/01/22 06:02	08/04/22 04:20	7439-92-1	
Manganese, Dissolved	0.0027J	mg/L	0.0040	0.0012	1	08/01/22 06:02	08/04/22 04:20	7439-96-5	
Nickel, Dissolved	<0.00028	mg/L	0.0010	0.00028	1	08/01/22 06:02	08/04/22 04:20	7440-02-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		08/01/22 18:38	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		08/01/22 18:38	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/01/22 18:38	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		08/01/22 18:38	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		08/01/22 18:38	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		08/01/22 18:38	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		08/01/22 18:38	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		08/01/22 18:38	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		08/01/22 18:38	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		08/01/22 18:38	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		08/01/22 18:38	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		08/01/22 18:38	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		08/01/22 18:38	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		08/01/22 18:38	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		08/01/22 18:38	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		08/01/22 18:38	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		08/01/22 18:38	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		08/01/22 18:38	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		08/01/22 18:38	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		08/01/22 18:38	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		08/01/22 18:38	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		08/01/22 18:38	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		08/01/22 18:38	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		08/01/22 18:38	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		08/01/22 18:38	75-34-3	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: PZ-2301D**      **Lab ID: 40248902014**      Collected: 07/26/22 10:05      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		08/01/22 18:38	107-06-2	
1,1-Dichloroethane	<0.58	ug/L	1.0	0.58	1		08/01/22 18:38	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		08/01/22 18:38	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		08/01/22 18:38	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		08/01/22 18:38	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		08/01/22 18:38	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		08/01/22 18:38	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		08/01/22 18:38	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		08/01/22 18:38	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		08/01/22 18:38	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		08/01/22 18:38	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		08/01/22 18:38	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		08/01/22 18:38	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		08/01/22 18:38	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		08/01/22 18:38	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		08/01/22 18:38	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		08/01/22 18:38	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		08/01/22 18:38	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		08/01/22 18:38	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		08/01/22 18:38	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		08/01/22 18:38	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		08/01/22 18:38	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		08/01/22 18:38	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		08/01/22 18:38	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		08/01/22 18:38	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/01/22 18:38	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		08/01/22 18:38	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		08/01/22 18:38	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		08/01/22 18:38	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		08/01/22 18:38	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		08/01/22 18:38	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		08/01/22 18:38	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		08/01/22 18:38	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/01/22 18:38	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		08/01/22 18:38	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		08/01/22 18:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	109	%	70-130		1		08/01/22 18:38	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		08/01/22 18:38	2037-26-5	
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		08/01/22 13:21		

### REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: PZ-2301D**      **Lab ID: 40248902014**      Collected: 07/26/22 10:05      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>24.7</b>	mg/L	10.0	2.2	5		08/01/22 18:04	16887-00-6	
Sulfate	<b>26.2</b>	mg/L	10.0	2.2	5		08/01/22 18:04	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>186</b>	mg/L	25.0	7.4	1		08/08/22 11:08		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<b>151</b>	mg/L	50.0	14.7	1	08/04/22 05:41	08/04/22 08:37		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>38.3</b>	mg/L	3.0	0.83	6		08/03/22 15:23	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: MW-2101**      **Lab ID: 40248902015**      Collected: 07/26/22 14:25      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	71.4	ug/L	5.6	0.39	1		08/01/22 12:17	74-84-0	
Ethene	43.1	ug/L	5.0	0.25	1		08/01/22 12:17	74-85-1	
Methane	1870	ug/L	28.0	5.8	10		08/01/22 15:45	74-82-8	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Iron	27.0	mg/L	0.25	0.058	1	08/01/22 05:46	08/04/22 09:28	7439-89-6	
Manganese	0.091	mg/L	0.0040	0.0012	1	08/01/22 05:46	08/04/22 09:28	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Barium, Dissolved	0.10	mg/L	0.0023	0.00070	1	08/01/22 06:02	08/04/22 04:28	7440-39-3	
Calcium, Dissolved	192	mg/L	0.25	0.076	1	08/01/22 06:02	08/04/22 04:28	7440-70-2	
Chromium, Dissolved	<0.0010	mg/L	0.0034	0.0010	1	08/01/22 06:02	08/04/22 04:28	7440-47-3	
Iron, Dissolved	24.9	mg/L	0.25	0.058	1	08/01/22 06:02	08/04/22 04:28	7439-89-6	
Lead, Dissolved	<0.00024	mg/L	0.0010	0.00024	1	08/01/22 06:02	08/04/22 04:28	7439-92-1	
Magnesium, Dissolved	49.1	mg/L	0.25	0.031	1	08/01/22 06:02	08/04/22 04:28	7439-95-4	
Manganese, Dissolved	0.091	mg/L	0.0040	0.0012	1	08/01/22 06:02	08/04/22 04:28	7439-96-5	
Nickel, Dissolved	<0.00028	mg/L	0.0010	0.00028	1	08/01/22 06:02	08/04/22 04:28	7440-02-0	
Potassium, Dissolved	15.7	mg/L	0.79	0.24	1	08/01/22 06:02	08/04/22 04:28	7440-09-7	
Sodium, Dissolved	70.2	mg/L	0.25	0.042	1	08/01/22 06:02	08/04/22 04:28	7440-23-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		07/29/22 18:11	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		07/29/22 18:11	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/29/22 18:11	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/29/22 18:11	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/29/22 18:11	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/29/22 18:11	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		07/29/22 18:11	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		07/29/22 18:11	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		07/29/22 18:11	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/29/22 18:11	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/29/22 18:11	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/29/22 18:11	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/29/22 18:11	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/29/22 18:11	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/29/22 18:11	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		07/29/22 18:11	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		07/29/22 18:11	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/29/22 18:11	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		07/29/22 18:11	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		07/29/22 18:11	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		07/29/22 18:11	95-50-1	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: MW-2101**      **Lab ID: 40248902015**      Collected: 07/26/22 14:25      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		07/29/22 18:11	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		07/29/22 18:11	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		07/29/22 18:11	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/29/22 18:11	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/29/22 18:11	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/29/22 18:11	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		08/01/22 12:52	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/29/22 18:11	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/29/22 18:11	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		07/29/22 18:11	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		07/29/22 18:11	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		07/29/22 18:11	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/29/22 18:11	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/29/22 18:11	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		07/29/22 18:11	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/29/22 18:11	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		07/29/22 18:11	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		07/29/22 18:11	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		07/29/22 18:11	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/29/22 18:11	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		07/29/22 18:11	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		07/29/22 18:11	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		07/29/22 18:11	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		07/29/22 18:11	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		07/29/22 18:11	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/29/22 18:11	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/29/22 18:11	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/29/22 18:11	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		07/29/22 18:11	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/29/22 18:11	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/29/22 18:11	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/29/22 18:11	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/29/22 18:11	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		07/29/22 18:11	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		07/29/22 18:11	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		07/29/22 18:11	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		07/29/22 18:11	108-67-8	
Vinyl chloride	0.24J	ug/L	1.0	0.17	1		07/29/22 18:11	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/29/22 18:11	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-130		1		07/29/22 18:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		07/29/22 18:11	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		07/29/22 18:11	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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



### ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: MW-2101**      **Lab ID: 40248902015**      Collected: 07/26/22 14:25      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000) Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		08/01/22 13:23		
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	48.2	mg/L	20.0	4.3	10		08/01/22 19:01	16887-00-6	
Sulfate	<4.4	mg/L	20.0	4.4	10		08/01/22 19:01	14808-79-8	D3
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	758	mg/L	125	37.2	5		08/08/22 11:09		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	1280	mg/L	200	58.9	1	08/04/22 05:41	08/04/22 08:37		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	481	mg/L	30.0	8.3	60		08/03/22 15:38	7440-44-0	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: PZ-2101**      **Lab ID: 40248902016**      Collected: 07/26/22 15:25      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	1770	ug/L	224	15.7	40		08/01/22 15:52	74-84-0	pH
Ethene	5950	ug/L	200	10.1	40		08/01/22 15:52	74-85-1	pH
Methane	959	ug/L	112	23.0	40		08/01/22 15:52	74-82-8	pH
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Iron	640	mg/L	2.5	0.58	10	08/01/22 05:46	08/04/22 09:35	7439-89-6	
Manganese	2.5	mg/L	0.040	0.012	10	08/01/22 05:46	08/04/22 09:35	7439-96-5	
<b>6020B MET ICPMS, Dissolved</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Barium, Dissolved	2.1	mg/L	0.0047	0.0014	2	08/01/22 06:02	08/04/22 04:35	7440-39-3	
Calcium, Dissolved	1170	mg/L	5.1	1.5	20	08/01/22 06:02	08/04/22 03:44	7440-70-2	
Chromium, Dissolved	<0.0020	mg/L	0.0068	0.0020	2	08/01/22 06:02	08/04/22 04:35	7440-47-3	D3
Iron, Dissolved	636	mg/L	5.0	1.2	20	08/01/22 06:02	08/04/22 03:44	7439-89-6	
Lead, Dissolved	<0.00047	mg/L	0.0020	0.00047	2	08/01/22 06:02	08/04/22 04:35	7439-92-1	D3
Magnesium, Dissolved	180	mg/L	0.50	0.062	2	08/01/22 06:02	08/04/22 04:35	7439-95-4	
Manganese, Dissolved	2.5	mg/L	0.081	0.024	20	08/01/22 06:02	08/04/22 03:44	7439-96-5	
Nickel, Dissolved	<0.00057	mg/L	0.0020	0.00057	2	08/01/22 06:02	08/04/22 04:35	7440-02-0	D3
Potassium, Dissolved	8.1	mg/L	1.6	0.47	2	08/01/22 06:02	08/04/22 04:35	7440-09-7	
Sodium, Dissolved	767	mg/L	5.0	0.84	20	08/01/22 06:02	08/04/22 03:44	7440-23-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<295	ug/L	1000	295	1000		07/29/22 20:07	71-43-2	
Bromobenzene	<361	ug/L	1000	361	1000		07/29/22 20:07	108-86-1	
Bromochloromethane	<358	ug/L	5000	358	1000		07/29/22 20:07	74-97-5	
Bromodichloromethane	<415	ug/L	1000	415	1000		07/29/22 20:07	75-27-4	
Bromoform	<3800	ug/L	5000	3800	1000		07/29/22 20:07	75-25-2	
Bromomethane	<1190	ug/L	5000	1190	1000		07/29/22 20:07	74-83-9	
n-Butylbenzene	<857	ug/L	1000	857	1000		07/29/22 20:07	104-51-8	
sec-Butylbenzene	<424	ug/L	1000	424	1000		07/29/22 20:07	135-98-8	
tert-Butylbenzene	<586	ug/L	1000	586	1000		07/29/22 20:07	98-06-6	
Carbon tetrachloride	<369	ug/L	1000	369	1000		07/29/22 20:07	56-23-5	
Chlorobenzene	<855	ug/L	1000	855	1000		07/29/22 20:07	108-90-7	
Chloroethane	<1380	ug/L	5000	1380	1000		07/29/22 20:07	75-00-3	
Chloroform	<1180	ug/L	5000	1180	1000		07/29/22 20:07	67-66-3	
Chloromethane	<1640	ug/L	5000	1640	1000		07/29/22 20:07	74-87-3	
2-Chlorotoluene	<890	ug/L	5000	890	1000		07/29/22 20:07	95-49-8	
4-Chlorotoluene	<894	ug/L	5000	894	1000		07/29/22 20:07	106-43-4	
1,2-Dibromo-3-chloropropane	<2370	ug/L	5000	2370	1000		07/29/22 20:07	96-12-8	
Dibromochloromethane	<2640	ug/L	5000	2640	1000		07/29/22 20:07	124-48-1	
1,2-Dibromoethane (EDB)	<309	ug/L	1000	309	1000		07/29/22 20:07	106-93-4	
Dibromomethane	<991	ug/L	5000	991	1000		07/29/22 20:07	74-95-3	
1,2-Dichlorobenzene	<326	ug/L	1000	326	1000		07/29/22 20:07	95-50-1	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60646104.2 KEP

Pace Project No.: 40248902

**Sample: PZ-2101**      **Lab ID: 40248902016**      Collected: 07/26/22 15:25      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,3-Dichlorobenzene	<351	ug/L	1000	351	1000		07/29/22 20:07	541-73-1	
1,4-Dichlorobenzene	<892	ug/L	1000	892	1000		07/29/22 20:07	106-46-7	
Dichlorodifluoromethane	<455	ug/L	5000	455	1000		07/29/22 20:07	75-71-8	
1,1-Dichloroethane	<296	ug/L	1000	296	1000		07/29/22 20:07	75-34-3	
1,2-Dichloroethane	<292	ug/L	1000	292	1000		07/29/22 20:07	107-06-2	
1,1-Dichloroethene	<582	ug/L	1000	582	1000		07/29/22 20:07	75-35-4	
cis-1,2-Dichloroethene	51200	ug/L	1000	472	1000		07/29/22 20:07	156-59-2	
trans-1,2-Dichloroethene	<528	ug/L	1000	528	1000		07/29/22 20:07	156-60-5	
1,2-Dichloropropane	<448	ug/L	1000	448	1000		07/29/22 20:07	78-87-5	
1,3-Dichloropropane	<305	ug/L	1000	305	1000		07/29/22 20:07	142-28-9	
2,2-Dichloropropane	<4180	ug/L	5000	4180	1000		07/29/22 20:07	594-20-7	
1,1-Dichloropropene	<410	ug/L	1000	410	1000		07/29/22 20:07	563-58-6	
cis-1,3-Dichloropropene	<358	ug/L	1000	358	1000		07/29/22 20:07	10061-01-5	
trans-1,3-Dichloropropene	<3460	ug/L	5000	3460	1000		07/29/22 20:07	10061-02-6	
Diisopropyl ether	<1100	ug/L	5000	1100	1000		07/29/22 20:07	108-20-3	
Ethylbenzene	<325	ug/L	1000	325	1000		07/29/22 20:07	100-41-4	
Hexachloro-1,3-butadiene	<2740	ug/L	5000	2740	1000		07/29/22 20:07	87-68-3	
Isopropylbenzene (Cumene)	<1000	ug/L	5000	1000	1000		07/29/22 20:07	98-82-8	
p-Isopropyltoluene	<1040	ug/L	5000	1040	1000		07/29/22 20:07	99-87-6	
Methylene Chloride	<319	ug/L	5000	319	1000		07/29/22 20:07	75-09-2	
Methyl-tert-butyl ether	<1130	ug/L	5000	1130	1000		07/29/22 20:07	1634-04-4	
Naphthalene	<1130	ug/L	5000	1130	1000		07/29/22 20:07	91-20-3	
n-Propylbenzene	<345	ug/L	1000	345	1000		07/29/22 20:07	103-65-1	
Styrene	<356	ug/L	1000	356	1000		07/29/22 20:07	100-42-5	
1,1,1,2-Tetrachloroethane	<355	ug/L	1000	355	1000		07/29/22 20:07	630-20-6	
1,1,2,2-Tetrachloroethane	<378	ug/L	1000	378	1000		07/29/22 20:07	79-34-5	
Tetrachloroethene	<409	ug/L	1000	409	1000		07/29/22 20:07	127-18-4	
Toluene	<288	ug/L	1000	288	1000		07/29/22 20:07	108-88-3	
1,2,3-Trichlorobenzene	<1020	ug/L	5000	1020	1000		07/29/22 20:07	87-61-6	
1,2,4-Trichlorobenzene	<951	ug/L	5000	951	1000		07/29/22 20:07	120-82-1	
1,1,1-Trichloroethane	<303	ug/L	1000	303	1000		07/29/22 20:07	71-55-6	
1,1,2-Trichloroethane	<344	ug/L	5000	344	1000		07/29/22 20:07	79-00-5	
Trichloroethene	70300	ug/L	1000	320	1000		07/29/22 20:07	79-01-6	
Trichlorofluoromethane	<419	ug/L	1000	419	1000		07/29/22 20:07	75-69-4	
1,2,3-Trichloropropane	<555	ug/L	5000	555	1000		07/29/22 20:07	96-18-4	
1,2,4-Trimethylbenzene	<449	ug/L	1000	449	1000		07/29/22 20:07	95-63-6	
1,3,5-Trimethylbenzene	<357	ug/L	1000	357	1000		07/29/22 20:07	108-67-8	
Vinyl chloride	2780	ug/L	1000	174	1000		07/29/22 20:07	75-01-4	
Xylene (Total)	<1050	ug/L	3000	1050	1000		07/29/22 20:07	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1000		07/29/22 20:07	460-00-4	pH
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1000		07/29/22 20:07	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1000		07/29/22 20:07	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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

### ANALYTICAL RESULTS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

**Sample: PZ-2101**      **Lab ID: 40248902016**      Collected: 07/26/22 15:25      Received: 07/28/22 08:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>4500S2F Sulfide, Iodometric</b>									
Analytical Method: SM 4500-S F (2000) Pace Analytical Services - Green Bay									
Sulfide	<12.0	mg/L	39.9	12.0	10		08/01/22 13:25		D3
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	531	mg/L	40.0	8.6	20		08/01/22 19:16	16887-00-6	
Sulfate	<8.9	mg/L	40.0	8.9	20		08/01/22 19:16	14808-79-8	D3,M0
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	4880	mg/L	250	74.4	10		08/08/22 11:10		
<b>410.4 COD</b>									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	14800	mg/L	1000	295	1	08/04/22 05:41	08/04/22 08:37		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	4460	mg/L	150	41.5	300		08/03/22 15:54	7440-44-0	

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA

Project: 60646104.2 KEP  
Pace Project No.: 40248902

QC Batch:	422209	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: 40248902002, 40248902003, 40248902004, 40248902005, 40248902006, 40248902007, 40248902008, 40248902009, 40248902010, 40248902011, 40248902012, 40248902013, 40248902014, 40248902015, 40248902016

METHOD BLANK: 2432372 Matrix: Water  
Associated Lab Samples: 40248902002, 40248902003, 40248902004, 40248902005, 40248902006, 40248902007, 40248902008, 40248902009, 40248902010, 40248902011, 40248902012, 40248902013, 40248902014, 40248902015, 40248902016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.39	5.6	08/01/22 09:47	
Ethene	ug/L	<0.25	5.0	08/01/22 09:47	
Methane	ug/L	<0.58	2.8	08/01/22 09:47	

LABORATORY CONTROL SAMPLE & LCSD: 2432373 2432374

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	53.2	52.8	99	98	74-120	1	20	
Ethene	ug/L	50	49.7	49.1	99	98	71-122	1	20	
Methane	ug/L	28.6	29.2	29.0	102	101	73-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2432538 2432539

Parameter	Units	40248989004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<0.39	53.6	53.6	48.6	53.3	91	99	70-120	9	20	
Ethene	ug/L				46.0	50.2				9	20	
Methane	ug/L	10.1	28.6	28.6	32.6	36.8	79	93	10-200	12	20	

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

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

### QUALITY CONTROL DATA

Project: 60646104.2 KEP

Pace Project No.: 40248902

---

QC Batch:	422080	Analysis Method:	EPA 6020B
QC Batch Method:	EPA 3010A	Analysis Description:	6020B MET
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40248902002, 40248902003, 40248902004, 40248902005, 40248902006, 40248902007, 40248902008, 40248902009, 40248902010, 40248902011, 40248902012, 40248902013, 40248902014, 40248902015, 40248902016

---

METHOD BLANK: 2431168 Matrix: Water

Associated Lab Samples: 40248902002, 40248902003, 40248902004, 40248902005, 40248902006, 40248902007, 40248902008, 40248902009, 40248902010, 40248902011, 40248902012, 40248902013, 40248902014, 40248902015, 40248902016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	mg/L	<0.058	0.25	08/04/22 06:24	
Manganese	mg/L	<0.0012	0.0040	08/04/22 06:24	

LABORATORY CONTROL SAMPLE: 2431169

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	mg/L	10	10.2	102	80-120	
Manganese	mg/L	0.25	0.26	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2431170 2431171

Parameter	Units	2431170		2431171		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40248902004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Iron	mg/L	2.4	10	10	12.6	12.7	102	102	75-125	1	20		
Manganese	mg/L	0.25	0.25	0.25	0.51	0.52	106	107	75-125	0	20		

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

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

### QUALITY CONTROL DATA

Project: 60646104.2 KEP  
Pace Project No.: 40248902

QC Batch:	422079	Analysis Method:	EPA 6020B
QC Batch Method:	EPA 3010A	Analysis Description:	6020B MET Dissolved
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40248902002, 40248902003, 40248902004, 40248902005, 40248902006, 40248902007, 40248902008, 40248902009, 40248902010, 40248902011, 40248902012, 40248902013, 40248902014, 40248902015, 40248902016

METHOD BLANK: 2431164 Matrix: Water  
Associated Lab Samples: 40248902002, 40248902003, 40248902004, 40248902005, 40248902006, 40248902007, 40248902008, 40248902009, 40248902010, 40248902011, 40248902012, 40248902013, 40248902014, 40248902015, 40248902016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Barium, Dissolved	mg/L	<0.00070	0.0023	08/02/22 14:43	
Calcium, Dissolved	mg/L	<0.076	0.25	08/02/22 14:43	
Chromium, Dissolved	mg/L	<0.0010	0.0034	08/02/22 14:43	
Iron, Dissolved	mg/L	<0.058	0.25	08/02/22 14:43	
Lead, Dissolved	mg/L	<0.00024	0.0010	08/02/22 14:43	
Magnesium, Dissolved	mg/L	<0.031	0.25	08/02/22 14:43	
Manganese, Dissolved	mg/L	<0.0012	0.0040	08/02/22 14:43	
Nickel, Dissolved	mg/L	<0.00028	0.0010	08/02/22 14:43	
Potassium, Dissolved	mg/L	<0.24	0.79	08/02/22 14:43	
Sodium, Dissolved	mg/L	<0.042	0.25	08/02/22 14:43	

LABORATORY CONTROL SAMPLE: 2431165

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium, Dissolved	mg/L	0.25	0.25	102	80-120	
Calcium, Dissolved	mg/L	10	10	100	80-120	
Chromium, Dissolved	mg/L	0.25	0.25	101	80-120	
Iron, Dissolved	mg/L	10	10.0	100	80-120	
Lead, Dissolved	mg/L	0.25	0.24	97	80-120	
Magnesium, Dissolved	mg/L	10	10.3	103	80-120	
Manganese, Dissolved	mg/L	0.25	0.25	101	80-120	
Nickel, Dissolved	mg/L	0.25	0.26	102	80-120	
Potassium, Dissolved	mg/L	10	10.4	104	80-120	
Sodium, Dissolved	mg/L	10	10.1	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2431166 2431167

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40248902004	Spike Conc.	Spike Conc.	Result								
Barium, Dissolved	mg/L	0.32	0.25	0.25	0.60	0.58	111	104	75-125	3	20		
Calcium, Dissolved	mg/L	189	10	10	211	198	215	84	75-125	6	20	P6	
Chromium, Dissolved	mg/L	<0.0010	0.25	0.25	0.25	0.25	101	100	75-125	1	20		
Iron, Dissolved	mg/L	1.8	10	10	11.9	11.7	101	99	75-125	2	20		
Lead, Dissolved	mg/L	<0.00024	0.25	0.25	0.26	0.26	104	103	75-125	1	20		

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

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

### QUALITY CONTROL DATA

Project: 60646104.2 KEP

Pace Project No.: 40248902

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2431166		2431167		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40248902004 Result	MS Spike Conc.	MSD Spike Conc.									
Magnesium, Dissolved	mg/L	51.8	10	10	65.8	62.4	141	106	75-125	5	20	P6	
Manganese, Dissolved	mg/L	0.29	0.25	0.25	0.57	0.55	110	104	75-125	3	20		
Nickel, Dissolved	mg/L	0.0025	0.25	0.25	0.25	0.25	100	99	75-125	1	20		
Potassium, Dissolved	mg/L	15.0	10	10	26.2	25.8	113	108	75-125	2	20		
Sodium, Dissolved	mg/L	93.6	10	10	109	104	151	107	75-125	4	20	P6	

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

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



**QUALITY CONTROL DATA**

Project: 60646104.2 KEP

Pace Project No.: 40248902

QC Batch: 422090 Analysis Method: EPA 8260

QC Batch Method: EPA 8260 Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40248902002, 40248902003, 40248902004, 40248902005, 40248902006, 40248902007, 40248902008, 40248902009, 40248902010, 40248902011, 40248902012, 40248902013, 40248902014, 40248902015, 40248902016

METHOD BLANK: 2431206 Matrix: Water

Associated Lab Samples: 40248902002, 40248902003, 40248902004, 40248902005, 40248902006, 40248902007, 40248902008, 40248902009, 40248902010, 40248902011, 40248902012, 40248902013, 40248902014, 40248902015, 40248902016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	07/29/22 14:28	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	07/29/22 14:28	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	07/29/22 14:28	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	07/29/22 14:28	
1,1-Dichloroethane	ug/L	<0.30	1.0	07/29/22 14:28	
1,1-Dichloroethene	ug/L	<0.58	1.0	07/29/22 14:28	
1,1-Dichloropropene	ug/L	<0.41	1.0	07/29/22 14:28	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	07/29/22 14:28	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	07/29/22 14:28	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	07/29/22 14:28	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	07/29/22 14:28	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	07/29/22 14:28	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	07/29/22 14:28	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	07/29/22 14:28	
1,2-Dichloroethane	ug/L	<0.29	1.0	07/29/22 14:28	
1,2-Dichloropropane	ug/L	<0.45	1.0	07/29/22 14:28	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	07/29/22 14:28	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	07/29/22 14:28	
1,3-Dichloropropane	ug/L	<0.30	1.0	07/29/22 14:28	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	07/29/22 14:28	
2,2-Dichloropropane	ug/L	<4.2	5.0	07/29/22 14:28	
2-Chlorotoluene	ug/L	<0.89	5.0	07/29/22 14:28	
4-Chlorotoluene	ug/L	<0.89	5.0	07/29/22 14:28	
Benzene	ug/L	<0.30	1.0	07/29/22 14:28	
Bromobenzene	ug/L	<0.36	1.0	07/29/22 14:28	
Bromochloromethane	ug/L	<0.36	5.0	07/29/22 14:28	
Bromodichloromethane	ug/L	<0.42	1.0	07/29/22 14:28	
Bromoform	ug/L	<3.8	5.0	07/29/22 14:28	
Bromomethane	ug/L	<1.2	5.0	07/29/22 14:28	
Carbon tetrachloride	ug/L	<0.37	1.0	07/29/22 14:28	
Chlorobenzene	ug/L	<0.86	1.0	07/29/22 14:28	
Chloroethane	ug/L	<1.4	5.0	07/29/22 14:28	
Chloroform	ug/L	<1.2	5.0	07/29/22 14:28	
Chloromethane	ug/L	<1.6	5.0	07/29/22 14:28	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	07/29/22 14:28	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	07/29/22 14:28	
Dibromochloromethane	ug/L	<2.6	5.0	07/29/22 14:28	

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**

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

### QUALITY CONTROL DATA

Project: 60646104.2 KEP  
Pace Project No.: 40248902

METHOD BLANK: 2431206

Matrix: Water

Associated Lab Samples: 40248902002, 40248902003, 40248902004, 40248902005, 40248902006, 40248902007, 40248902008, 40248902009, 40248902010, 40248902011, 40248902012, 40248902013, 40248902014, 40248902015, 40248902016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<0.99	5.0	07/29/22 14:28	
Dichlorodifluoromethane	ug/L	<0.46	5.0	07/29/22 14:28	
Diisopropyl ether	ug/L	<1.1	5.0	07/29/22 14:28	
Ethylbenzene	ug/L	<0.33	1.0	07/29/22 14:28	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	07/29/22 14:28	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	07/29/22 14:28	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	07/29/22 14:28	
Methylene Chloride	ug/L	<0.32	5.0	07/29/22 14:28	
n-Butylbenzene	ug/L	<0.86	1.0	07/29/22 14:28	
n-Propylbenzene	ug/L	<0.35	1.0	07/29/22 14:28	
Naphthalene	ug/L	<1.1	5.0	07/29/22 14:28	
p-Isopropyltoluene	ug/L	<1.0	5.0	07/29/22 14:28	
sec-Butylbenzene	ug/L	<0.42	1.0	07/29/22 14:28	
Styrene	ug/L	<0.36	1.0	07/29/22 14:28	
tert-Butylbenzene	ug/L	<0.59	1.0	07/29/22 14:28	
Tetrachloroethene	ug/L	<0.41	1.0	07/29/22 14:28	
Toluene	ug/L	<0.29	1.0	07/29/22 14:28	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	07/29/22 14:28	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	07/29/22 14:28	
Trichloroethene	ug/L	<0.32	1.0	07/29/22 14:28	
Trichlorofluoromethane	ug/L	<0.42	1.0	07/29/22 14:28	
Vinyl chloride	ug/L	<0.17	1.0	07/29/22 14:28	
Xylene (Total)	ug/L	<1.0	3.0	07/29/22 14:28	
1,2-Dichlorobenzene-d4 (S)	%	104	70-130	07/29/22 14:28	
4-Bromofluorobenzene (S)	%	99	70-130	07/29/22 14:28	
Toluene-d8 (S)	%	99	70-130	07/29/22 14:28	

LABORATORY CONTROL SAMPLE: 2431207

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.0	104	70-134	
1,1,2,2-Tetrachloroethane	ug/L	50	54.4	109	69-130	
1,1,2-Trichloroethane	ug/L	50	55.1	110	70-130	
1,1-Dichloroethane	ug/L	50	49.5	99	70-130	
1,1-Dichloroethene	ug/L	50	47.8	96	74-131	
1,2,4-Trichlorobenzene	ug/L	50	49.1	98	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	49.6	99	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	51.3	103	70-130	
1,2-Dichlorobenzene	ug/L	50	52.5	105	70-130	
1,2-Dichloroethane	ug/L	50	48.7	97	70-137	
1,2-Dichloropropane	ug/L	50	51.2	102	80-121	
1,3-Dichlorobenzene	ug/L	50	50.9	102	70-130	

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

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

### QUALITY CONTROL DATA

Project: 60646104.2 KEP

Pace Project No.: 40248902

LABORATORY CONTROL SAMPLE: 2431207

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	49.6	99	70-130	
Benzene	ug/L	50	54.4	109	70-130	
Bromodichloromethane	ug/L	50	52.3	105	70-130	
Bromoform	ug/L	50	52.9	106	70-130	
Bromomethane	ug/L	50	39.2	78	21-147	
Carbon tetrachloride	ug/L	50	54.0	108	80-146	
Chlorobenzene	ug/L	50	54.0	108	70-130	
Chloroethane	ug/L	50	42.0	84	52-165	
Chloroform	ug/L	50	52.4	105	80-123	
Chloromethane	ug/L	50	31.9	64	51-122	
cis-1,2-Dichloroethene	ug/L	50	48.1	96	70-130	
cis-1,3-Dichloropropene	ug/L	50	51.5	103	70-130	
Dibromochloromethane	ug/L	50	50.1	100	70-130	
Dichlorodifluoromethane	ug/L	50	23.1	46	25-121	
Ethylbenzene	ug/L	50	56.8	114	80-120	
Isopropylbenzene (Cumene)	ug/L	50	55.7	111	70-130	
Methyl-tert-butyl ether	ug/L	50	48.0	96	70-130	
Methylene Chloride	ug/L	50	43.1	86	70-130	
Styrene	ug/L	50	54.2	108	70-130	
Tetrachloroethene	ug/L	50	56.3	113	70-130	
Toluene	ug/L	50	54.4	109	80-120	
trans-1,2-Dichloroethene	ug/L	50	50.3	101	70-130	
trans-1,3-Dichloropropene	ug/L	50	46.9	94	70-130	
Trichloroethene	ug/L	50	51.9	104	70-130	
Trichlorofluoromethane	ug/L	50	44.2	88	65-160	
Vinyl chloride	ug/L	50	38.2	76	63-134	
Xylene (Total)	ug/L	150	161	107	70-130	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2431694 2431695

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40248902011 Result	Spike Conc.	Spike Conc.	MS Result								
1,1,1-Trichloroethane	ug/L	<0.30	50	50	52.5	51.5	105	103	70-134	2	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	56.1	54.8	112	110	61-135	2	20		
1,1,2-Trichloroethane	ug/L	<0.34	50	50	54.9	54.1	110	108	70-130	1	20		
1,1-Dichloroethane	ug/L	<0.30	50	50	49.2	48.2	98	96	70-130	2	20		
1,1-Dichloroethene	ug/L	<0.58	50	50	49.2	47.4	98	95	71-130	4	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	45.5	44.7	91	89	68-131	2	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	55.9	54.7	112	109	51-141	2	20		
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	53.3	52.4	107	105	70-130	2	20		
1,2-Dichlorobenzene	ug/L	<0.33	50	50	49.9	48.6	100	97	70-130	3	20		

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

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

### QUALITY CONTROL DATA

Project: 60646104.2 KEP  
Pace Project No.: 40248902

Parameter	Units	2431694		2431695		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40248902011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
1,2-Dichloroethane	ug/L	<0.29	50	50	49.8	46.8	100	94	70-137	6	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	50.4	49.8	101	100	80-121	1	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	51.6	50.2	103	100	70-130	3	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	46.5	45.7	93	91	70-130	2	20	
Benzene	ug/L	1.4	50	50	55.5	54.8	108	107	70-130	1	20	
Bromodichloromethane	ug/L	<0.42	50	50	50.5	49.7	101	99	70-130	2	20	
Bromoform	ug/L	<3.8	50	50	53.7	53.2	107	106	70-133	1	20	
Bromomethane	ug/L	<1.2	50	50	42.3	44.1	85	88	21-149	4	22	
Carbon tetrachloride	ug/L	<0.37	50	50	53.6	52.9	107	106	80-146	1	20	
Chlorobenzene	ug/L	<0.86	50	50	53.3	52.5	107	105	70-130	2	20	
Chloroethane	ug/L	<1.4	50	50	44.3	42.4	89	85	52-165	4	20	
Chloroform	ug/L	<1.2	50	50	52.5	51.6	105	103	80-123	2	20	
Chloromethane	ug/L	<1.6	50	50	31.0	31.3	62	63	42-125	1	20	
cis-1,2-Dichloroethene	ug/L	801	50	50	769	795	-66	-12	70-130	3	20	E,M1
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	50.1	50.2	100	100	70-130	0	20	
Dibromochloromethane	ug/L	<2.6	50	50	50.7	50.0	101	100	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	23.7	22.9	47	46	25-121	3	20	
Ethylbenzene	ug/L	<0.33	50	50	56.8	56.1	114	112	80-121	1	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	54.6	53.5	109	107	70-130	2	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	48.1	48.1	96	96	70-130	0	20	
Methylene Chloride	ug/L	<0.32	50	50	42.9	42.2	86	84	70-130	2	20	
Styrene	ug/L	<0.36	50	50	53.3	52.6	107	105	70-132	1	20	
Tetrachloroethene	ug/L	<0.41	50	50	54.1	54.3	108	109	70-130	0	20	
Toluene	ug/L	0.34J	50	50	53.9	53.2	107	106	80-120	1	20	
trans-1,2-Dichloroethene	ug/L	0.64J	50	50	54.1	50.9	107	100	70-130	6	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	47.8	47.6	96	95	70-130	0	20	
Trichloroethene	ug/L	1.3	50	50	53.1	55.2	104	108	70-130	4	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	43.4	42.7	87	85	65-160	2	20	
Vinyl chloride	ug/L	13.9	50	50	52.0	52.4	76	77	60-137	1	20	
Xylene (Total)	ug/L	<1.0	150	150	157	156	105	104	70-130	1	20	
1,2-Dichlorobenzene-d4 (S)	%						99	98	70-130			
4-Bromofluorobenzene (S)	%						104	103	70-130			
Toluene-d8 (S)	%						101	101	70-130			

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

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

### QUALITY CONTROL DATA

Project: 60646104.2 KEP  
Pace Project No.: 40248902

QC Batch: 422223	Analysis Method: EPA 8260
QC Batch Method: EPA 8260	Analysis Description: 8260 MSV
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40248902001

METHOD BLANK: 2432410 Matrix: Water

Associated Lab Samples: 40248902001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	08/02/22 07:46	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	08/02/22 07:46	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	08/02/22 07:46	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	08/02/22 07:46	
1,1-Dichloroethane	ug/L	<0.30	1.0	08/02/22 07:46	
1,1-Dichloroethene	ug/L	<0.58	1.0	08/02/22 07:46	
1,1-Dichloropropene	ug/L	<0.41	1.0	08/02/22 07:46	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	08/02/22 07:46	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	08/02/22 07:46	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	08/02/22 07:46	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	08/02/22 07:46	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	08/02/22 07:46	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	08/02/22 07:46	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	08/02/22 07:46	
1,2-Dichloroethane	ug/L	<0.29	1.0	08/02/22 07:46	
1,2-Dichloropropane	ug/L	<0.45	1.0	08/02/22 07:46	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	08/02/22 07:46	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	08/02/22 07:46	
1,3-Dichloropropane	ug/L	<0.30	1.0	08/02/22 07:46	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	08/02/22 07:46	
2,2-Dichloropropane	ug/L	<4.2	5.0	08/02/22 07:46	
2-Chlorotoluene	ug/L	<0.89	5.0	08/02/22 07:46	
4-Chlorotoluene	ug/L	<0.89	5.0	08/02/22 07:46	
Benzene	ug/L	<0.30	1.0	08/02/22 07:46	
Bromobenzene	ug/L	<0.36	1.0	08/02/22 07:46	
Bromochloromethane	ug/L	<0.36	5.0	08/02/22 07:46	
Bromodichloromethane	ug/L	<0.42	1.0	08/02/22 07:46	
Bromoform	ug/L	<3.8	5.0	08/02/22 07:46	
Bromomethane	ug/L	<1.2	5.0	08/02/22 07:46	
Carbon tetrachloride	ug/L	<0.37	1.0	08/02/22 07:46	
Chlorobenzene	ug/L	<0.86	1.0	08/02/22 07:46	
Chloroethane	ug/L	<1.4	5.0	08/02/22 07:46	
Chloroform	ug/L	<1.2	5.0	08/02/22 07:46	
Chloromethane	ug/L	<1.6	5.0	08/02/22 07:46	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	08/02/22 07:46	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	08/02/22 07:46	
Dibromochloromethane	ug/L	<2.6	5.0	08/02/22 07:46	
Dibromomethane	ug/L	<0.99	5.0	08/02/22 07:46	
Dichlorodifluoromethane	ug/L	<0.46	5.0	08/02/22 07:46	
Diisopropyl ether	ug/L	<1.1	5.0	08/02/22 07:46	

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

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

### QUALITY CONTROL DATA

Project: 60646104.2 KEP  
Pace Project No.: 40248902

METHOD BLANK: 2432410 Matrix: Water  
Associated Lab Samples: 40248902001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.33	1.0	08/02/22 07:46	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	08/02/22 07:46	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	08/02/22 07:46	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	08/02/22 07:46	
Methylene Chloride	ug/L	<0.32	5.0	08/02/22 07:46	
n-Butylbenzene	ug/L	<0.86	1.0	08/02/22 07:46	
n-Propylbenzene	ug/L	<0.35	1.0	08/02/22 07:46	
Naphthalene	ug/L	<1.1	5.0	08/02/22 07:46	
p-Isopropyltoluene	ug/L	<1.0	5.0	08/02/22 07:46	
sec-Butylbenzene	ug/L	<0.42	1.0	08/02/22 07:46	
Styrene	ug/L	<0.36	1.0	08/02/22 07:46	
tert-Butylbenzene	ug/L	<0.59	1.0	08/02/22 07:46	
Tetrachloroethene	ug/L	<0.41	1.0	08/02/22 07:46	
Toluene	ug/L	<0.29	1.0	08/02/22 07:46	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	08/02/22 07:46	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	08/02/22 07:46	
Trichloroethene	ug/L	<0.32	1.0	08/02/22 07:46	
Trichlorofluoromethane	ug/L	<0.42	1.0	08/02/22 07:46	
Vinyl chloride	ug/L	<0.17	1.0	08/02/22 07:46	
Xylene (Total)	ug/L	<1.0	3.0	08/02/22 07:46	
1,2-Dichlorobenzene-d4 (S)	%	105	70-130	08/02/22 07:46	
4-Bromofluorobenzene (S)	%	87	70-130	08/02/22 07:46	
Toluene-d8 (S)	%	104	70-130	08/02/22 07:46	

LABORATORY CONTROL SAMPLE: 2432411

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.9	102	70-134	
1,1,1,2-Tetrachloroethane	ug/L	50	52.9	106	69-130	
1,1,2-Trichloroethane	ug/L	50	51.0	102	70-130	
1,1-Dichloroethane	ug/L	50	54.5	109	70-130	
1,1-Dichloroethene	ug/L	50	53.9	108	74-131	
1,2,4-Trichlorobenzene	ug/L	50	49.0	98	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	40.4	81	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	45.9	92	70-130	
1,2-Dichlorobenzene	ug/L	50	52.8	106	70-130	
1,2-Dichloroethane	ug/L	50	45.3	91	70-137	
1,2-Dichloropropane	ug/L	50	46.7	93	80-121	
1,3-Dichlorobenzene	ug/L	50	51.0	102	70-130	
1,4-Dichlorobenzene	ug/L	50	52.6	105	70-130	
Benzene	ug/L	50	53.3	107	70-130	
Bromodichloromethane	ug/L	50	45.4	91	70-130	
Bromoform	ug/L	50	47.1	94	70-130	
Bromomethane	ug/L	50	33.5	67	21-147	

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

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

### QUALITY CONTROL DATA

Project: 60646104.2 KEP  
Pace Project No.: 40248902

LABORATORY CONTROL SAMPLE: 2432411

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	54.5	109	80-146	
Chlorobenzene	ug/L	50	54.4	109	70-130	
Chloroethane	ug/L	50	53.0	106	52-165	
Chloroform	ug/L	50	55.1	110	80-123	
Chloromethane	ug/L	50	37.2	74	51-122	
cis-1,2-Dichloroethene	ug/L	50	46.8	94	70-130	
cis-1,3-Dichloropropene	ug/L	50	46.8	94	70-130	
Dibromochloromethane	ug/L	50	48.5	97	70-130	
Dichlorodifluoromethane	ug/L	50	14.9	30	25-121	
Ethylbenzene	ug/L	50	56.9	114	80-120	
Isopropylbenzene (Cumene)	ug/L	50	59.1	118	70-130	
Methyl-tert-butyl ether	ug/L	50	46.0	92	70-130	
Methylene Chloride	ug/L	50	51.0	102	70-130	
Styrene	ug/L	50	57.5	115	70-130	
Tetrachloroethene	ug/L	50	48.8	98	70-130	
Toluene	ug/L	50	52.2	104	80-120	
trans-1,2-Dichloroethene	ug/L	50	52.6	105	70-130	
trans-1,3-Dichloropropene	ug/L	50	43.6	87	70-130	
Trichloroethene	ug/L	50	47.3	95	70-130	
Trichlorofluoromethane	ug/L	50	46.2	92	65-160	
Vinyl chloride	ug/L	50	43.0	86	63-134	
Xylene (Total)	ug/L	150	178	118	70-130	
1,2-Dichlorobenzene-d4 (S)	%			103	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2432858 2432859

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40249035001 Result	Spike Conc.	Spike Conc.	MSD Result							
1,1,1-Trichloroethane	ug/L	<0.30	50	50	52.5	54.1	105	108	70-134	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	49.9	54.6	100	109	61-135	9	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	51.1	53.9	102	108	70-130	5	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	58.6	55.4	117	111	70-130	5	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	55.7	57.8	111	116	71-130	4	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	46.9	51.2	94	102	68-131	9	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	40.2	42.4	80	85	51-141	5	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	43.4	46.6	87	93	70-130	7	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	51.0	55.9	102	112	70-130	9	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	47.4	50.7	95	101	70-137	7	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	51.4	50.5	103	101	80-121	2	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	50.1	52.1	100	104	70-130	4	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	50.6	55.2	101	110	70-130	9	20	
Benzene	ug/L	<0.30	50	50	52.8	55.1	106	110	70-130	4	20	

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

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

### QUALITY CONTROL DATA

Project: 60646104.2 KEP  
Pace Project No.: 40248902

Parameter	Units	2432858		2432859		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40249035001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Bromodichloromethane	ug/L	<0.42	50	50	50.3	50.0	101	100	70-130	1	20		
Bromoform	ug/L	<3.8	50	50	42.5	45.5	85	91	70-133	7	20		
Bromomethane	ug/L	<1.2	50	50	34.2	38.8	68	78	21-149	13	22		
Carbon tetrachloride	ug/L	<0.37	50	50	54.3	52.9	109	106	80-146	3	20		
Chlorobenzene	ug/L	<0.86	50	50	54.2	58.3	108	117	70-130	7	20		
Chloroethane	ug/L	<1.4	50	50	57.4	49.3	115	99	52-165	15	20		
Chloroform	ug/L	<1.2	50	50	53.4	54.5	107	109	80-123	2	20		
Chloromethane	ug/L	<1.6	50	50	35.3	37.5	71	75	42-125	6	20		
cis-1,2-Dichloroethene	ug/L	18.2	50	50	72.6	66.2	109	96	70-130	9	20		
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	43.1	44.9	86	90	70-130	4	20		
Dibromochloromethane	ug/L	<2.6	50	50	48.8	52.9	98	106	70-130	8	20		
Dichlorodifluoromethane	ug/L	<0.46	50	50	13.2	12.5	26	25	25-121	5	20		
Ethylbenzene	ug/L	<0.33	50	50	56.3	60.3	113	121	80-121	7	20		
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	57.0	63.0	114	126	70-130	10	20		
Methyl-tert-butyl ether	ug/L	<1.1	50	50	49.4	48.0	99	96	70-130	3	20		
Methylene Chloride	ug/L	<0.32	50	50	55.3	63.0	111	126	70-130	13	20		
Styrene	ug/L	<0.36	50	50	57.4	59.8	115	120	70-132	4	20		
Tetrachloroethene	ug/L	<0.41	50	50	49.8	54.2	100	108	70-130	9	20		
Toluene	ug/L	<0.29	50	50	52.6	55.3	105	111	80-120	5	20		
trans-1,2-Dichloroethene	ug/L	1.7	50	50	57.3	60.5	111	117	70-130	5	20		
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	38.4	41.1	77	82	70-130	7	20		
Trichloroethene	ug/L	10.5	50	50	61.2	62.9	101	105	70-130	3	20		
Trichlorofluoromethane	ug/L	<0.42	50	50	51.7	52.6	103	105	65-160	2	20		
Vinyl chloride	ug/L	<0.17	50	50	44.9	43.2	90	86	60-137	4	20		
Xylene (Total)	ug/L	<1.0	150	150	172	183	115	122	70-130	6	20		
1,2-Dichlorobenzene-d4 (S)	%						99	105	70-130				
4-Bromofluorobenzene (S)	%						88	98	70-130				
Toluene-d8 (S)	%						102	106	70-130				

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

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



### QUALITY CONTROL DATA

Project: 60646104.2 KEP  
Pace Project No.: 40248902

---

QC Batch: 422148	Analysis Method: SM 4500-S F (2000)
QC Batch Method: SM 4500-S F (2000)	Analysis Description: 4500S2F Sulfide, Iodometric
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40248902002, 40248902003, 40248902004, 40248902005, 40248902006, 40248902007, 40248902008

---

METHOD BLANK: 2431640 Matrix: Water  
Associated Lab Samples: 40248902002, 40248902003, 40248902004, 40248902005, 40248902006, 40248902007, 40248902008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	<1.2	4.0	07/29/22 13:51	

---

LABORATORY CONTROL SAMPLE: 2431641

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	45.6	46.0	101	80-120	

---

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2431642 2431643

Parameter	Units	2431642		2431643		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Sulfide	mg/L	2.2J	45.6	45.6	42.8	45.2	89	94	80-120	5	10	

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

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

### QUALITY CONTROL DATA

Project: 60646104.2 KEP  
Pace Project No.: 40248902

QC Batch:	422260	Analysis Method:	SM 4500-S F (2000)
QC Batch Method:	SM 4500-S F (2000)	Analysis Description:	4500S2F Sulfide, Iodometric
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40248902009, 40248902010, 40248902011, 40248902012, 40248902013, 40248902014, 40248902015, 40248902016

METHOD BLANK: 2432493 Matrix: Water  
Associated Lab Samples: 40248902009, 40248902010, 40248902011, 40248902012, 40248902013, 40248902014, 40248902015, 40248902016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	<1.2	4.0	08/01/22 12:55	

LABORATORY CONTROL SAMPLE: 2432494

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	42.4	44.0	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2432495 2432496

Parameter	Units	40248902013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	<1.2	42.4	42.4	41.2	44.0	95	101	80-120	7	10	

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

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

### QUALITY CONTROL DATA

Project: 60646104.2 KEP  
Pace Project No.: 40248902

QC Batch:	422073	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: 40248902002, 40248902003, 40248902004, 40248902005, 40248902006, 40248902007, 40248902008, 40248902009, 40248902010, 40248902011, 40248902012, 40248902013, 40248902014, 40248902015, 40248902016

METHOD BLANK: 2431039 Matrix: Water  
Associated Lab Samples: 40248902002, 40248902003, 40248902004, 40248902005, 40248902006, 40248902007, 40248902008, 40248902009, 40248902010, 40248902011, 40248902012, 40248902013, 40248902014, 40248902015, 40248902016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.43	2.0	08/01/22 12:47	
Sulfate	mg/L	<0.44	2.0	08/01/22 12:47	

LABORATORY CONTROL SAMPLE: 2431040

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	20.8	104	90-110	
Sulfate	mg/L	20	20.6	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2431041 2431042

Parameter	Units	40248882001		40248882002		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Chloride	mg/L	124	200	200	332	323	104	99	90-110	3	15		
Sulfate	mg/L	16.2J	200	200	227	223	106	103	90-110	2	15		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2431043 2431044

Parameter	Units	40248902016		40248902017		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Chloride	mg/L	531	400	400	901	911	93	95	90-110	1	15		
Sulfate	mg/L	<8.9	400	400	396	449	99	112	90-110	12	15 M0		

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

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

### QUALITY CONTROL DATA

Project: 60646104.2 KEP  
Pace Project No.: 40248902

QC Batch:	422846	Analysis Method:	EPA 310.2
QC Batch Method:	EPA 310.2	Analysis Description:	310.2 Alkalinity
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40248902002, 40248902003, 40248902004, 40248902005, 40248902006, 40248902007, 40248902008, 40248902009, 40248902010, 40248902011, 40248902012, 40248902013, 40248902014, 40248902015, 40248902016

METHOD BLANK: 2435704 Matrix: Water

Associated Lab Samples: 40248902002, 40248902003, 40248902004, 40248902005, 40248902006, 40248902007, 40248902008, 40248902009, 40248902010, 40248902011, 40248902012, 40248902013, 40248902014, 40248902015, 40248902016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	<7.4	25.0	08/08/22 10:46	

LABORATORY CONTROL SAMPLE: 2435705

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2435706 2435707

Parameter	Units	40248902011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	1980	1000	1000	2640	2640	66	66	90-110	0	20	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2435708 2435709

Parameter	Units	40248901022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	562	500	500	1080	1060	104	99	90-110	2	20	

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

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

### QUALITY CONTROL DATA

Project: 60646104.2 KEP  
Pace Project No.: 40248902

QC Batch:	422455	Analysis Method:	EPA 410.4
QC Batch Method:	EPA 410.4	Analysis Description:	410.4 COD
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40248902002, 40248902003, 40248902004, 40248902005, 40248902006, 40248902007, 40248902008, 40248902009, 40248902010, 40248902011

METHOD BLANK: 2433281 Matrix: Water  
Associated Lab Samples: 40248902002, 40248902003, 40248902004, 40248902005, 40248902006, 40248902007, 40248902008, 40248902009, 40248902010, 40248902011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<14.7	50.0	08/03/22 08:35	

LABORATORY CONTROL SAMPLE: 2433282

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	527	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2433283 2433284

Parameter	Units	40248553005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	<15.5	526	526	568	562	106	105	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2433285 2433286

Parameter	Units	40248927001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	<15.5	526	526	557	552	105	104	90-110	1	10	

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

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

### QUALITY CONTROL DATA

Project: 60646104.2 KEP  
Pace Project No.: 40248902

QC Batch: 422594 Analysis Method: EPA 410.4  
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40248902012, 40248902013, 40248902014, 40248902015, 40248902016

METHOD BLANK: 2434142 Matrix: Water  
Associated Lab Samples: 40248902012, 40248902013, 40248902014, 40248902015, 40248902016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<14.7	50.0	08/04/22 08:34	

LABORATORY CONTROL SAMPLE: 2434143

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	505	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2434144 2434145

Parameter	Units	40248909001		2434145		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MS Spike Conc.	MS Result	MSD Spike Conc.						
Chemical Oxygen Demand	mg/L	18.0J	526	555	526	102	101	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2434146 2434147

Parameter	Units	40248910001		2434147		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MS Spike Conc.	MS Result	MSD Spike Conc.						
Chemical Oxygen Demand	mg/L	41.2J	526	585	526	103	104	90-110	1	10	

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

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

**QUALITY CONTROL DATA**

Project: 60646104.2 KEP  
Pace Project No.: 40248902

QC Batch:	422454	Analysis Method:	SM 5310C
QC Batch Method:	SM 5310C	Analysis Description:	5310C Total Organic Carbon
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40248902002, 40248902003, 40248902004, 40248902005, 40248902006, 40248902007, 40248902008, 40248902009, 40248902010, 40248902011, 40248902012, 40248902013, 40248902014, 40248902015, 40248902016

METHOD BLANK: 2433275 Matrix: Water  
Associated Lab Samples: 40248902002, 40248902003, 40248902004, 40248902005, 40248902006, 40248902007, 40248902008, 40248902009, 40248902010, 40248902011, 40248902012, 40248902013, 40248902014, 40248902015, 40248902016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.14	0.50	08/03/22 09:30	

LABORATORY CONTROL SAMPLE: 2433276

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	12.5	11.8	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2433277 2433278

Parameter	Units	40248902002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	6.0	36	36	37.7	37.0	88	86	80-120	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2433279 2433280

Parameter	Units	40248902003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	8.0	36	36	29.2	27.7	59	55	80-120	5	10 M0	

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**

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

## QUALIFIERS

Project: 60646104.2 KEP  
Pace Project No.: 40248902

---

### DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

1q Sample was received with headspace.

CR The dissolved metal result was greater than the total metal result for this element. Results were confirmed by reanalysis.

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

D9 Dissolved result is greater than the total. Data is within laboratory control limits.

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

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

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

P6 Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

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

## REPORT OF LABORATORY ANALYSIS

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



### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60646104.2 KEP  
Pace Project No.: 40248902

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40248902002	MW-82	EPA 8015B Modified	422209		
40248902003	MW-82D	EPA 8015B Modified	422209		
40248902004	MW-2106	EPA 8015B Modified	422209		
40248902005	MW-2113	EPA 8015B Modified	422209		
40248902006	PZ-2113	EPA 8015B Modified	422209		
40248902007	MW-2103	EPA 8015B Modified	422209		
40248902008	MW-2103D	EPA 8015B Modified	422209		
40248902009	PZ-2103	EPA 8015B Modified	422209		
40248902010	PZ-2103D	EPA 8015B Modified	422209		
40248902011	MW-2111	EPA 8015B Modified	422209		
40248902012	PZ-2111	EPA 8015B Modified	422209		
40248902013	PZ-2301	EPA 8015B Modified	422209		
40248902014	PZ-2301D	EPA 8015B Modified	422209		
40248902015	MW-2101	EPA 8015B Modified	422209		
40248902016	PZ-2101	EPA 8015B Modified	422209		
40248902002	MW-82	EPA 3010A	422080	EPA 6020B	422287
40248902003	MW-82D	EPA 3010A	422080	EPA 6020B	422287
40248902004	MW-2106	EPA 3010A	422080	EPA 6020B	422287
40248902005	MW-2113	EPA 3010A	422080	EPA 6020B	422287
40248902006	PZ-2113	EPA 3010A	422080	EPA 6020B	422287
40248902007	MW-2103	EPA 3010A	422080	EPA 6020B	422287
40248902008	MW-2103D	EPA 3010A	422080	EPA 6020B	422287
40248902009	PZ-2103	EPA 3010A	422080	EPA 6020B	422287
40248902010	PZ-2103D	EPA 3010A	422080	EPA 6020B	422287
40248902011	MW-2111	EPA 3010A	422080	EPA 6020B	422287
40248902012	PZ-2111	EPA 3010A	422080	EPA 6020B	422287
40248902013	PZ-2301	EPA 3010A	422080	EPA 6020B	422287
40248902014	PZ-2301D	EPA 3010A	422080	EPA 6020B	422287
40248902015	MW-2101	EPA 3010A	422080	EPA 6020B	422287
40248902016	PZ-2101	EPA 3010A	422080	EPA 6020B	422287
40248902002	MW-82	EPA 3010A	422079	EPA 6020B	422286
40248902003	MW-82D	EPA 3010A	422079	EPA 6020B	422286
40248902004	MW-2106	EPA 3010A	422079	EPA 6020B	422286
40248902005	MW-2113	EPA 3010A	422079	EPA 6020B	422286
40248902006	PZ-2113	EPA 3010A	422079	EPA 6020B	422286
40248902007	MW-2103	EPA 3010A	422079	EPA 6020B	422286
40248902008	MW-2103D	EPA 3010A	422079	EPA 6020B	422286
40248902009	PZ-2103	EPA 3010A	422079	EPA 6020B	422286
40248902010	PZ-2103D	EPA 3010A	422079	EPA 6020B	422286
40248902011	MW-2111	EPA 3010A	422079	EPA 6020B	422286
40248902012	PZ-2111	EPA 3010A	422079	EPA 6020B	422286
40248902013	PZ-2301	EPA 3010A	422079	EPA 6020B	422286
40248902014	PZ-2301D	EPA 3010A	422079	EPA 6020B	422286
40248902015	MW-2101	EPA 3010A	422079	EPA 6020B	422286
40248902016	PZ-2101	EPA 3010A	422079	EPA 6020B	422286
40248902001	TRIP BLANK 3	EPA 8260	422223		
40248902002	MW-82	EPA 8260	422090		

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60646104.2 KEP

Pace Project No.: 40248902

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40248902003	MW-82D	EPA 8260	422090		
40248902004	MW-2106	EPA 8260	422090		
40248902005	MW-2113	EPA 8260	422090		
40248902006	PZ-2113	EPA 8260	422090		
40248902007	MW-2103	EPA 8260	422090		
40248902008	MW-2103D	EPA 8260	422090		
40248902009	PZ-2103	EPA 8260	422090		
40248902010	PZ-2103D	EPA 8260	422090		
40248902011	MW-2111	EPA 8260	422090		
40248902012	PZ-2111	EPA 8260	422090		
40248902013	PZ-2301	EPA 8260	422090		
40248902014	PZ-2301D	EPA 8260	422090		
40248902015	MW-2101	EPA 8260	422090		
40248902016	PZ-2101	EPA 8260	422090		
40248902002	MW-82	SM 4500-S F (2000)	422148		
40248902003	MW-82D	SM 4500-S F (2000)	422148		
40248902004	MW-2106	SM 4500-S F (2000)	422148		
40248902005	MW-2113	SM 4500-S F (2000)	422148		
40248902006	PZ-2113	SM 4500-S F (2000)	422148		
40248902007	MW-2103	SM 4500-S F (2000)	422148		
40248902008	MW-2103D	SM 4500-S F (2000)	422148		
40248902009	PZ-2103	SM 4500-S F (2000)	422260		
40248902010	PZ-2103D	SM 4500-S F (2000)	422260		
40248902011	MW-2111	SM 4500-S F (2000)	422260		
40248902012	PZ-2111	SM 4500-S F (2000)	422260		
40248902013	PZ-2301	SM 4500-S F (2000)	422260		
40248902014	PZ-2301D	SM 4500-S F (2000)	422260		
40248902015	MW-2101	SM 4500-S F (2000)	422260		
40248902016	PZ-2101	SM 4500-S F (2000)	422260		
40248902002	MW-82	EPA 300.0	422073		
40248902003	MW-82D	EPA 300.0	422073		
40248902004	MW-2106	EPA 300.0	422073		
40248902005	MW-2113	EPA 300.0	422073		
40248902006	PZ-2113	EPA 300.0	422073		
40248902007	MW-2103	EPA 300.0	422073		
40248902008	MW-2103D	EPA 300.0	422073		
40248902009	PZ-2103	EPA 300.0	422073		
40248902010	PZ-2103D	EPA 300.0	422073		
40248902011	MW-2111	EPA 300.0	422073		
40248902012	PZ-2111	EPA 300.0	422073		
40248902013	PZ-2301	EPA 300.0	422073		
40248902014	PZ-2301D	EPA 300.0	422073		
40248902015	MW-2101	EPA 300.0	422073		
40248902016	PZ-2101	EPA 300.0	422073		
40248902002	MW-82	EPA 310.2	422846		
40248902003	MW-82D	EPA 310.2	422846		
40248902004	MW-2106	EPA 310.2	422846		

### REPORT OF LABORATORY ANALYSIS

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

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60646104.2 KEP

Pace Project No.: 40248902

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40248902005	MW-2113	EPA 310.2	422846		
40248902006	PZ-2113	EPA 310.2	422846		
40248902007	MW-2103	EPA 310.2	422846		
40248902008	MW-2103D	EPA 310.2	422846		
40248902009	PZ-2103	EPA 310.2	422846		
40248902010	PZ-2103D	EPA 310.2	422846		
40248902011	MW-2111	EPA 310.2	422846		
40248902012	PZ-2111	EPA 310.2	422846		
40248902013	PZ-2301	EPA 310.2	422846		
40248902014	PZ-2301D	EPA 310.2	422846		
40248902015	MW-2101	EPA 310.2	422846		
40248902016	PZ-2101	EPA 310.2	422846		
40248902002	MW-82	EPA 410.4	422455	EPA 410.4	422488
40248902003	MW-82D	EPA 410.4	422455	EPA 410.4	422488
40248902004	MW-2106	EPA 410.4	422455	EPA 410.4	422488
40248902005	MW-2113	EPA 410.4	422455	EPA 410.4	422488
40248902006	PZ-2113	EPA 410.4	422455	EPA 410.4	422488
40248902007	MW-2103	EPA 410.4	422455	EPA 410.4	422488
40248902008	MW-2103D	EPA 410.4	422455	EPA 410.4	422488
40248902009	PZ-2103	EPA 410.4	422455	EPA 410.4	422488
40248902010	PZ-2103D	EPA 410.4	422455	EPA 410.4	422488
40248902011	MW-2111	EPA 410.4	422455	EPA 410.4	422488
40248902012	PZ-2111	EPA 410.4	422594	EPA 410.4	422627
40248902013	PZ-2301	EPA 410.4	422594	EPA 410.4	422627
40248902014	PZ-2301D	EPA 410.4	422594	EPA 410.4	422627
40248902015	MW-2101	EPA 410.4	422594	EPA 410.4	422627
40248902016	PZ-2101	EPA 410.4	422594	EPA 410.4	422627
40248902002	MW-82	SM 5310C	422454		
40248902003	MW-82D	SM 5310C	422454		
40248902004	MW-2106	SM 5310C	422454		
40248902005	MW-2113	SM 5310C	422454		
40248902006	PZ-2113	SM 5310C	422454		
40248902007	MW-2103	SM 5310C	422454		
40248902008	MW-2103D	SM 5310C	422454		
40248902009	PZ-2103	SM 5310C	422454		
40248902010	PZ-2103D	SM 5310C	422454		
40248902011	MW-2111	SM 5310C	422454		
40248902012	PZ-2111	SM 5310C	422454		
40248902013	PZ-2301	SM 5310C	422454		
40248902014	PZ-2301D	SM 5310C	422454		
40248902015	MW-2101	SM 5310C	422454		
40248902016	PZ-2101	SM 5310C	422454		

### REPORT OF LABORATORY ANALYSIS

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



# CHAIN-OF-CUSTODY / Analytical Request Document

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

40248902

<b>Section A</b> Required Client Information:	<b>Section B</b> Required Project Information:	<b>Section C</b> Invoice Information:
Company: AECOM - Milw	Report To: Lanette Altenbach	Attention: Accounts Payable/Finance Department
Address: 1555 N. River Center Dr., Suite 214	Copy To:	Company Name: City of Kenosha
Milwaukee, WI 53212		Address: 652 52nd St., Kenosha, WI 53140
Email To: Lanette.Aaltenbach@aecom.com	Purchase Order No.: 200476	Pace Quote Reference:
Phone: 414-577-1363 Fax:	Project Name: KEP	Pace Project Manager: Chris Hyska
Requested Due Date/TAT: Standard	Project Number: 60646104.2	Pace Profile #: (2430) Kenosha work

REGULATORY AGENCY	
<input type="checkbox"/> NPDES	<input checked="" type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER
<input type="checkbox"/> UST	<input type="checkbox"/> RCRA <input type="checkbox"/> OTHER
SITE	<input type="checkbox"/> GA <input type="checkbox"/> IL <input type="checkbox"/> IN <input type="checkbox"/> MI <input type="checkbox"/> NC
LOCATION	<input type="checkbox"/> OH <input type="checkbox"/> SC <input checked="" type="checkbox"/> WI <input type="checkbox"/> OTHER

ITEM #	Section D Required Client Information <b>SAMPLE ID</b> One Character per box. (A-Z, 0-9 / -) Samples IDs MUST BE UNIQUE	Valid Matrix Codes <b>MATRIX</b> DRINKING WATER DW WASTE WATER WW PRODUCT SOL/SOLID P OIL QL WIPE QR AIR AR OTHER OT TISSUE IS	CODE	COLLECTED	SAMPLE TYPE G-GRAB C-COMP	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Requested Analytes	Filtered (Y/N)	Pace Project Number Lab I.D.													
								COMPOSITE START		COMPOSITE END/GRAB		Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl				NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other	VOCs B260	TOC	Alkalinity, Ca, SO <sub>4</sub>	Methane, Ethane, Ethene	Total Metals	Diss. Metals	Sulfide	COD	Residual Chlorine (Y/N)
								DATE	TIME	DATE	TIME																				
1	Trip Blank 3	WT	G	7/27/22	1000		2							2											001						
2	MW-82	WT		7/26/22	1230		12	1	2	2	6	1		3	1	3	1	1	1						002						
3	MW-82 D	WT		7/26/22	1230		12	1	2	2	6	1		3	1	3	1	1	1						003						
4	MW-2106	WT		7/27/22	1010		12	1	2	2	6	1		3	1	3	1	1	1						004						
5	MW-2113	WT			1115		12	1	2	2	6	1		3	1	3	1	1	1						005						
6	PZ-2113	WT			1200		12	1	2	2	6	1		3	1	3	1	1	1						006						
7	MW-2103	WT			1310		12	1	2	2	6	1		3	1	3	1	1	1						007						
8	MW-2103 D	WT			1310		12	1	2	2	6	1		3	1	3	1	1	1						008						
9	PZ-2103	WT			1415		12	1	2	2	6	1		3	1	3	1	1	1						009						
10	PZ-2103 D	WT			1415		12	1	2	2	6	1		3	1	3	1	1	1						010						
11	MW-2111	WT			1145		12	1	2	2	6	1		3	1	3	1	1	1						011						
12	PZ-2111	WT			1300		12	1	2	2	6	1		3	1	3	1	1	1						012						

Additional Comments:  
Total Metals: Fe, Mn  
Dissolved Metals: Fe, Mn, Ba, Cr, Pb, Ni  
PZ-2103 effervescent + turbid

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Leslie Bychinski AECOM	7/27/22	1730	CS Logistics	7/27/22		Y/N Y/N Y/N
CS Logistics	7/28/22	0800	Anthony Wender	7/28/22	0800	31, 5, 26 Y/N Y/N Y/N
						Y/N Y/N Y/N
						Y/N Y/N Y/N

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice	Custody Sealed Cooler	Sample Intact
PRINT Name of SAMPLER:	Leslie Bychinski				
SIGNATURE of SAMPLER:	<i>Leslie Bychinski</i>	DATE Signed (MM/DD/YY):	7/27/2022		



# CHAIN-OF-CUSTODY / Analytical Request Document

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

40248902

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: AECOM - Milw	Report To: Lanette Altenbach	Attention: Accounts Payable/Finance Department
Address: 1555 N. River Center Dr., Suite 214	Copy To:	Company Name: City of Kenosha
Milwaukee, WI 53212		Address: 652 52nd St., Kenosha, WI 53140
Email To: Lanette.Aaltenbach@aecom.com	Purchase Order No.: 200476	Pace Quote Reference:
Phone: 414-577-1363 Fax:	Project Name: KEP	Pace Project Manager: Chris Hyska
Requested Due Date/TAT: Standard	Project Number: 60646104.2	Pace Profile #: (2430) Kenosha work

REGULATORY AGENCY																					
<input type="checkbox"/> NPDES	<input checked="" type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER																				
<input type="checkbox"/> UST	<input type="checkbox"/> RCRA <input type="checkbox"/> OTHER																				
SITE	<input type="checkbox"/> GA <input type="checkbox"/> IL <input type="checkbox"/> IN <input type="checkbox"/> MI <input type="checkbox"/> NC																				
LOCATION	<input type="checkbox"/> OH <input type="checkbox"/> SC <input checked="" type="checkbox"/> WI <input type="checkbox"/> OTHER																				
Filtered (Y/N)	N N N N N Y N N																				
Requested Anal	<table border="1"> <thead> <tr> <th>Requested</th> <th>Anal</th> </tr> </thead> <tbody> <tr> <td>VOCs #220</td> <td></td> </tr> <tr> <td>Toc</td> <td></td> </tr> <tr> <td>Alkalinity, Cl, SO4</td> <td></td> </tr> <tr> <td>Methane Ethane Ethene</td> <td></td> </tr> <tr> <td>Total Metals</td> <td></td> </tr> <tr> <td>Dis. Metals</td> <td></td> </tr> <tr> <td>Sulfide</td> <td></td> </tr> <tr> <td>COD</td> <td></td> </tr> <tr> <td>Residual Chlorine (P/N)</td> <td></td> </tr> </tbody> </table>	Requested	Anal	VOCs #220		Toc		Alkalinity, Cl, SO4		Methane Ethane Ethene		Total Metals		Dis. Metals		Sulfide		COD		Residual Chlorine (P/N)	
Requested	Anal																				
VOCs #220																					
Toc																					
Alkalinity, Cl, SO4																					
Methane Ethane Ethene																					
Total Metals																					
Dis. Metals																					
Sulfide																					
COD																					
Residual Chlorine (P/N)																					
	Pace Project Number Lab I.D.																				

ITEM #	Section D Required Client Information <b>SAMPLE ID</b> One Character per box. (A-Z, 0-9 / .-) Samples IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX DRINKING WATER WATER WASTE WATER PRODUCT SOL/SOLID OIL WIFE AIR OTHER TISSUE  CODE DW WT WW P S L P OT OT TS	MATRIX CODE	SAMPLE TYPE G-GRAB C-COMP	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Requested						
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other							
					DATE	TIME	DATE	TIME																	
					DATE	TIME	DATE	TIME																	
1	PZ-2301		WT	G			7/27/22	1005	12	1	2	2	6	1				3	1	3	1	1	1	1	013
2	PZ-2301 D		WT					1005	12	1	2	2	6	1				3	1	3	1	1	1	1	014
3	MW-2101		WT					1425	12	1	2	2	6	1				3	1	3	1	1	1	1	015
4	PZ-2101		WT					1525	12	1	2	2	6	1				3	1	3	1	1	1	1	016
5			WT																						
6			WT																						
7			WT																						
8			WT																						
9			WT																						
10			WT																						
11			WT																						
12			WT																						

**Additional Comments:**

Total Metals: Fe, Mn

Dissolved Metals: Fe, Mn, Ba, Cr, Pb, Ni

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Leslie Bychinski AECOM	7/27/22	1730	CS Logistics	7/27/22			Y/N	Y/N	Y/N
CS Logistics	7/28/22	0800	Anthony J. Mendel	7/28/22	0800	31,51,26	Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
PRINT Name of SAMPLER:	SIGNATURE of SAMPLER:				
Leslie Bychinski	[Signature]				
	DATE Signed (MM/DD/YY)				
	7/27/2022				

**Sample Preservation Receipt Form**

Client Name: AECOM Project # 40248902

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

Initial when completed: AW Date/Time: 7/28/22 1045

Lab Lot# of pH paper: 1003111 Lab Std #ID of preservation (if pH adjusted): 408572

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																								
015																																	2.5/5/10																								
016																																	2.5/5/10																								
017	7/28/22 AW																																																								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	500 mL plastic NaOH+Zn Act
BG3U	250 mL clear glass unpres						

**Sample Condition Upon Receipt Form (SCUR)**

Project #: \_\_\_\_\_

Client Name: AECOM

**WO# : 40248902**

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Waltco  
 Client  Pace Other: \_\_\_\_\_



Tracking #: \_\_\_\_\_  
 Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

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

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used SR - 00 Type of Ice  Wet  Blue Dry None  Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 3.553 / Corr: 3.15126

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: 7/28/22 / Initials: ALW  
 Labeled By Initials: \_\_\_\_\_

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<i>one trip blank: custody seal broken 7/28/22 ALW</i>
Pace Trip Blank Lot # (if purchased): <u>477</u>		

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