



November 24, 2021

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**Subject: Monitoring Well Sampling Results – Q4 2021
Enbridge Line 13 MP 312, Blackhawk Island Rd Valve Site, Ft. Atkinson, WI
WDNR BRRTS #02-28-586199**

Dear Mr. Beaster:

WSP USA Inc. (WSP) is pleased to submit the following summary of sampling results for monitoring wells that were sampled October 25 through October 27, 2021 at the Line 13 Milepost (MP) 312 Valve Site located at the intersection of Blackhawk Island Road and Westphal Lane near Fort Atkinson, Wisconsin (Site). The samples were collected in accordance with the Supplemental Site Investigation Work Plan (SSIWP), dated May 4, 2021, which was approved by the Wisconsin Department of Natural Resources (WDNR) in a letter dated May 26, 2021. This summary of results is provided to fulfill the reporting requirements of NR 716.14, Wis. Adm. Code. A thorough presentation of the sampling procedures and results will be included in the Supplemental Site Investigation Report.

WSP collected water samples from the 22 monitoring wells at the Site between October 25 and October 27, 2021. The well locations are shown on Figure 1. Groundwater samples were collected in accordance with WSP's Standard Operating Procedures using low-flow purge and sample methods. Samples were analyzed by Pace Analytical of Green Bay, Wisconsin for volatile organic compounds (VOCs) by EPA Method 8260. Quality Assurance / Quality Control (QA/QC) samples included three duplicate samples, two equipment blank samples, and one trip blank sample, which were submitted with the monitoring well samples.

Table 1 includes the laboratory analytical results for select compounds from the October sampling event. Table 2 includes the historical laboratory analytical results for select compounds from previous sampling events. Enclosure A includes the laboratory reports (dated November 8, 2021) from the October sampling event. Benzene, toluene, ethylbenzene, and total xylenes (BTEX) were detected in one or more samples at concentrations above the WDNR Enforcement Standard (ES) or Preventative Action Limit (PAL). Benzene was detected in samples collected from monitoring wells MW-01-32 (18,900 micrograms per liter [$\mu\text{g/l}$]), MW-05-30 (2.0 $\mu\text{g/l}$), MW-06-32 (5.9 $\mu\text{g/l}$), MW-10-32 (15.3 $\mu\text{g/l}$), MW-11-32 (2.0 $\mu\text{g/l}$), and MW-14-31 (402 $\mu\text{g/l}$). The sample collected from MW-01-32 also had detections for ethylbenzene (estimated concentration of 167 $\mu\text{g/l}$), toluene (7,830 $\mu\text{g/l}$), and total xylenes (503 $\mu\text{g/l}$).

Trichloroethene was detected at concentrations above the PAL (0.5 $\mu\text{g/l}$) or ES (5.0 $\mu\text{g/l}$) in the samples collected from monitoring wells MW-06-32 (1.6 $\mu\text{g/l}$) and MW-06-60 (15.0 $\mu\text{g/l}$). Trichloroethene was detected in the sample from

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monitoring well MW-11-32 at an estimated concentration of 0.47 µg/l. Trichloroethene is not associated with the diluent release.

Samples from several wells included compounds that were detected at concentrations below ES or PAL screening levels, including MW-01-32 (cyclohexane at an estimated concentration of 556 µg/l), MW-01-63 (methyl-tert-butyl ether at an estimated concentration of 1.6 µg/l), MW-06-60 (cis-1,2-dichloroethene at an estimated concentration of 0.65 µg/l), MW-10-32 (1,2-dichloropropane at an estimated concentration of 0.54 µg/l, cyclohexane at 22.5 µg/l, methyl-tert-butyl ether at 11.4 µg/l, methylcyclohexane at 12.0 µg/l, and n-hexane at 10.6 µg/l), MW-11-32 (cyclohexane and methylcyclohexane at estimated concentrations of 3.9 and 1.6 µg/l, respectively), and MW-14-31 (n-hexane at an estimated concentration of 2.7 µg/l, cyclohexane at 44.4 µg/l, and methylcyclohexane at 10.4 µg/l). No VOCs were detected above the laboratory method detection limits in the equipment blanks or trip blank. The results for the duplicate samples collected at monitoring wells MW-01-32, MW-06-32, and MW-14-31 were generally consistent with their respective primary samples.

In accordance with NR 712, Wis. Adm. Code., the certification of a hydrogeologist for this sampling results submittal is included in Enclosure B.

Please do not hesitate to contact me if you have questions.

Kind regards,

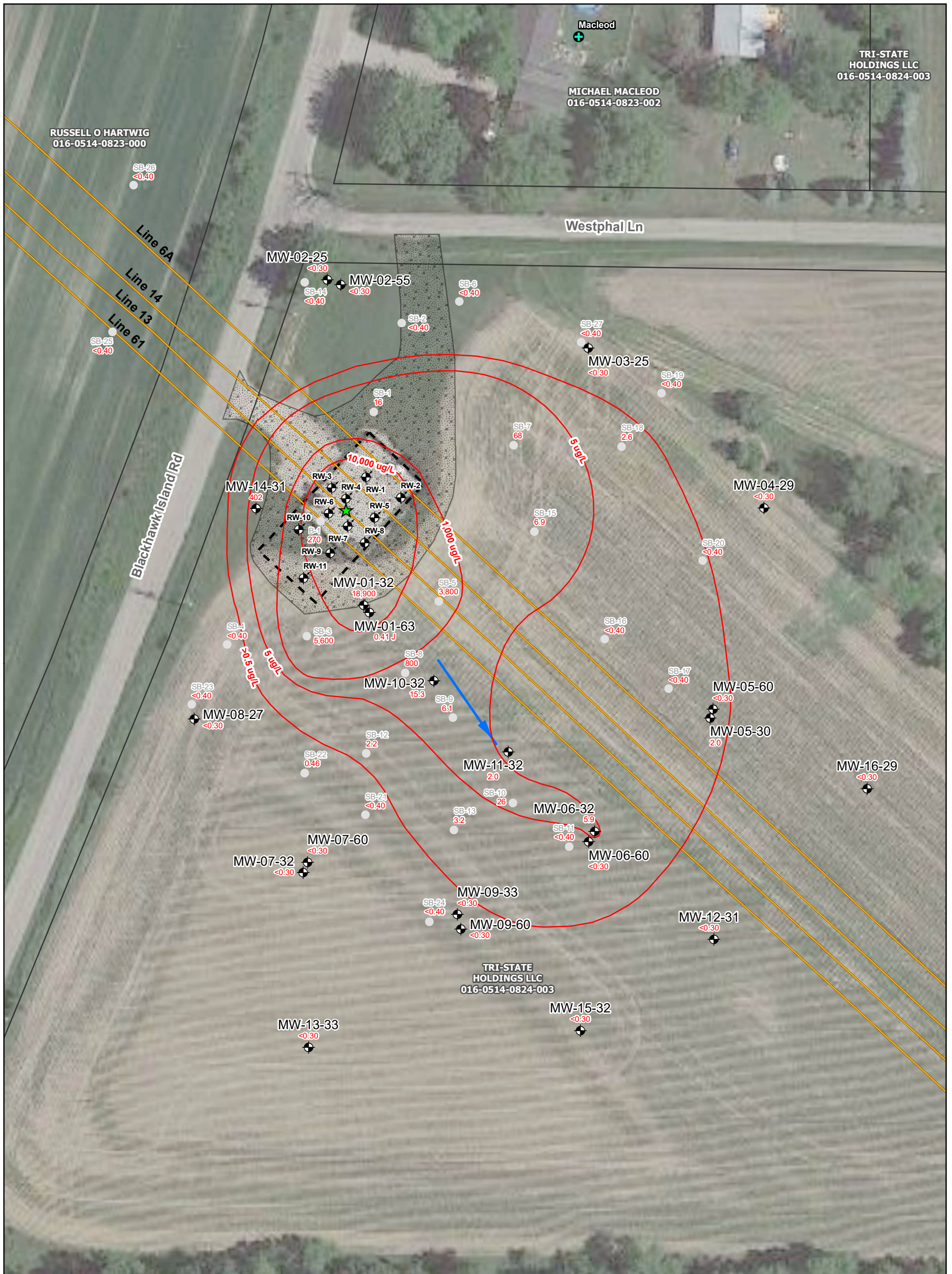
A handwritten signature in black ink that reads 'Tim Huff'.

Timothy A. Huff
Senior Lead Geologist

TAH :
\\10.0.199.15\job\enbridge\ft atkinson\line 13 mp 312_work plans and reports\2021-11 mw sampling results to wdnr\2021.11.24_line13 mp312_monitoring well sampling results q4 2021.docx

Encl.

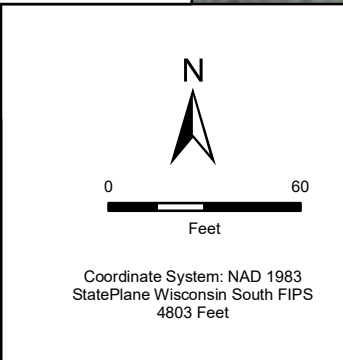
FIGURE



Note:
1. Benzene isoconcentration contours developed from July-Sept 2020 temporary well sampling results and Oct 2021 shallow monitoring well sampling results.

ENBRIDGE

Drawn: WSP 11/19/2021
Approved: WSP 11/19/2021
Project #: 31401967.705



- Legend**
- ★ Approximate Release Location
 - ⊕ Monitoring Well
 - ⊖ Remediation Well
 - ⊕ Potable Well
 - Sept 2020 Soil Boring / Temporary Well
 - Groundwater Flow Direction
 - Benzene Isoconcentration Contours (ug/l)
 - Enbridge Pipeline
 - ▭ Gravel Perimeter
 - ▭ Site Fence
 - ▭ Property Parcels

FIGURE 1
MONITORING WELL AND
REMEDATION WELL LOCATIONS

LINE 13 MP 312 VALVE SITE
FORT ATKINSON, WISCONSIN

ENBRIDGE ENERGY
LIMITED PARTNERSHIP

TABLES

Table 1
Monitoring Well Sampling Analytical Results for Select Compounds - October 2021 Data
Line 13 MP312 Valve Site
Fort Atkinson, Wisconsin

Well ID	Sample Date	Volatile Organic Compounds					Field Parameters (Final Reading)									
		Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Xylenes, Total (µg/L)	Trichloroethene (µg/L)	Purge Volume (L)	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Oxidation Reduction Potential (mV)	Appearance of Purge Water	Odor	
		Enforcement Standard (a) Preventative Action Limit (a)	5 140	700 160	800 400	2,000 400	5 0.5									
MW-01-32	10/26/21	18,900	167 J	7,830	503	<63.9	10	7.04	0.655	4.4	0.70	15.33	-59	Clear	Slight Odor	
	10/26/2021 - Duplicate	20,600	191 J	8,510	634	<63.9	--	--	--	--	--	--	--	--	--	
MW-01-63	10/27/21	0.41 J	<0.33	<0.29	<1.05	<0.32	16.5	7.26	0.662	6.0	0.00	15.06	-168	Clear	None	
MW-02-25	10/25/21	<0.30	<0.33	<0.29	<1.05	<0.32	7.75	7.29	0.515	0.0	0.58	15.06	205	Clear	None	
MW-02-55	10/27/21	<0.30	<0.33	<0.29	<1.05	<0.32	24	7.08	1.24	3.1	5.42	13.05	22	Clear	None	
MW-03-25	10/25/21	<0.30	<0.33	<0.29	<1.05	<0.32	11	7.18	0.561	0.0	3.00	13.81	244	Clear	None	
MW-04-29	10/26/21	<0.30	<0.33	<0.29	<1.05	<0.32	9	7.10	0.604	13.3	4.69	13.05	177	Clear	None	
MW-05-30	10/27/21	2.0	<0.33	<0.29	<1.05	<0.32	10	7.01	0.751	0.0	0.69	15.07	170	Clear	None	
MW-05-60	10/27/21	<0.30	<0.33	<0.29	<1.05	<0.32	11	7.51	0.718	22.9	5.98	13.84	1	Clear	None	
MW-06-32	10/27/21	5.9	<0.33	<0.29	<1.05	1.6	10	7.10	0.808	0.0	0.00	13.93	169	Clear	None	
	10/27/21 - Duplicate	6.0	<0.33	<0.29	<1.05	1.1	--	--	--	--	--	--	--	--	--	
MW-06-60	10/27/21	<0.30	<0.33	<0.29	<1.05	15.0	22.5	7.35	0.680	31.0	0.00	14.07	-144	Clear	None	
MW-07-32	10/26/21	<0.30	<0.33	<0.29	<1.05	<0.32	11.5	7.15	0.721	9.3	6.29	13.09	159	Clear	None	
MW-07-60	10/26/21	<0.30	<0.33	<0.29	<1.05	<0.32	10	7.61	0.549	0.0	1.00	13.80	-51	Clear	None	
MW-08-27	10/26/21	<0.30	<0.33	<0.29	<1.05	<0.32	10	7.14	0.77	3.5	8.63	14.10	196	Clear	None	
MW-09-33	10/27/21	<0.30	<0.33	<0.29	<1.05	<0.32	10.5	7.14	0.746	0.2	0.00	12.61	236	Clear	None	
MW-09-60	10/27/21	<0.30	<0.33	<0.29	<1.05	<0.32	13.5	7.28	0.611	1.6	0.00	13.09	-39	Clear	None	
MW-10-32	10/27/21	15.3	<0.33	<0.29	<1.05	<0.32	18	6.80	0.918	0.0	1.26	15.43	-43	Clear	None	
MW-11-32	10/27/21	2.0	<0.33	<0.29	<1.05	0.47 J	13.5	6.89	1.05	0.0	0.22	14.99	-92	Clear	None	
MW-12-31	10/25/21	<0.30	<0.33	<0.29	<1.05	<0.32	15	6.95	1.090	0.0	3.14	14.30	170	Clear	None	
MW-13-33	10/27/21	<0.30	<0.33	<0.29	<1.05	<0.32	16.5	7.35	0.660	5.1	0.00	13.44	30	Clear	None	
MW-14-31	10/27/21	402	0.78 J	1.3	0.45 J	<0.32	10	7.18	0.635	0.0	0.00	16.59	-45	Clear	None	
	10/27/21 - Duplicate	408	<1.6	<1.4	<5.2	<1.6	--	--	--	--	--	--	--	--	--	
MW-15-32	10/25/21	<0.30	<0.33	<0.29	<1.05	<0.32	13.5	7.21	0.623	5.3	0.00	12.35	149	Clear	None	
MW-16-29	10/25/21	<0.30	<0.33	<0.29	<1.05	<0.32	10.5	7.13	0.631	0.3	0.00	13.56	187	Clear	None	

Table 1
Monitoring Well Sampling Analytical Results for Select Compounds - October 2021 Data
Line 13 MP312 Valve Site
Fort Atkinson, Wisconsin

Well ID	Sample Date	Volatile Organic Compounds					Field Parameters (Final Reading)								
		Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Xylenes, Total (µg/L)	Trichloroethene (µg/L)	Purge Volume (L)	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Oxidation Reduction Potential (mV)	Appearance of Purge Water	Odor
		Enforcement Standard (a)	700	800	2,000	5									
		Preventative Action Limit (a)	140	160	400	0.5									
Trip Blank	10/27/21	<0.30	<0.33	<0.29	<1.05	<0.32	--	--	--	--	--	--	--	--	--
Equipment Blank	10/27/21	<0.30	<0.33	<0.29	<1.05	<0.32	--	--	--	--	--	--	--	--	--
	10/27/21	<0.30	<0.33	<0.29	<1.05	<0.32	--	--	--	--	--	--	--	--	--

General Notes

Shaded = Regulatory exceedance

Bold = Enforcement Standard exceedance

Italics = Preventative Action Limit exceedance

Acronyms and Abbreviations

a/ Wisconsin Department of Natural Resources (WDNR) Administrative Code Chapter NR 140.10, Table 1 - Public Health Groundwater Standards. February 2021.

J = Estimated concentration at or above the Limit of Detection and below the Limit of Quantitation.

NA = Not accessible.

"<" = Not detected above the reported method detection limit.

ug/L = Micrograms per liter.

Table 2
Monitoring Well Sampling Analytical Results for Select Compounds - Historical Data
Line 13 MP312 Valve Site
Fort Atkinson, Wisconsin

Well ID	Sample Date	Volatile Organic Compounds					Field Parameters (Final Reading)									
		Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Xylenes, Total (µg/L)	Trichloroethene (µg/L)	Purge Volume (L)	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Oxidation Reduction Potential (mV)	Appearance of Purge Water	Odor	
		Enforcement Standard (a) Preventative Action Limit (a)	5 140	700 160	800 400	2,000 400	5 0.5									
MW-01-32	10/09/20	23,700	222	7,650	728	<51.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	01/15/21	24,400	244	10,400	775	<51.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	04/01/21	17,600	220	9,280	758	<12.8	8.25	6.90	0.909	5.2	2.65	12.11	-88	Clear	Mild Odor	
	07/08/21	21,800	188	8,150	586	<16.0	4.2	7.81	0.810	0.0	0.00	16.75	35	Clear	None	
	10/26/21	18,900	167 J	7,830	503	<63.9	10	7.04	0.655	4.4	0.70	15.33	-59	Clear	Slight Odor	
MW-01-63	09/08/21	0.50 J	<0.33	<0.29	<1.05	<0.32	15.6	7.27	0.666	10.8	0.00	16.24	-192	Clear	None	
	10/27/21	0.41 J	<0.33	<0.29	<1.05	<0.32	16.5	7.26	0.662	6.0	0.00	15.06	-168	Clear	None	
MW-02-25	10/08/20	<0.25	<0.32	<0.27	<0.73	<0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	01/14/21	<0.25	<0.32	<0.27	<0.26	<0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	04/01/21	<0.25	<0.32	<0.27	<0.73	<0.26	8.85	7.29	0.840	7.3	7.78	4.49	131	Clear	None	
	07/08/21	<0.30	<0.33	<0.29	<1.05	<0.32	8.4	7.08	0.767	0.0	0.79	13.31	278	Clear	None	
	10/25/21	<0.30	<0.33	<0.29	<1.05	<0.32	7.75	7.29	0.515	0.0	0.58	15.06	205	Clear	None	
MW-02-55	09/08/21	<0.30	<0.33	<0.29	<1.05	<0.32	15	7.11	0.934	230	1.35	14.80	-69	Cloudy	None	
	10/27/21	<0.30	<0.33	<0.29	<1.05	<0.32	24	7.08	1.24	3.1	5.42	13.05	22	Clear	None	
MW-03-25	10/08/20	<0.25	<0.32	<0.27	<0.73	<0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	01/14/21	<0.25	<0.32	<0.27	<0.26	<0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	04/01/21	<0.25	<0.32	<0.27	<0.73	<0.26	5	7.20	0.952	3.1	0.00	8.00	146	Clear	None	
	07/08/21	<0.30	<0.33	<0.29	<1.05	<0.32	11.2	6.75	0.729	40.7	2.45	17.14	170	Clear	None	
	10/25/21	<0.30	<0.33	<0.29	<1.05	<0.32	11	7.18	0.561	0.0	3.00	13.81	244	Clear	None	
MW-04-29	10/08/20	<0.25	<0.32	<0.27	<0.73	<0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	01/14/21	<0.25	<0.32	<0.27	<0.26	<0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	04/01/21	<0.25	<0.32	<0.27	<0.73	<0.26	5.25	6.92	0.878	6.1	6.55	8.58	164	Clear	None	
	07/08/21	<0.30	<0.33	<0.29	<1.05	<0.32	5.85	5.95	0.734	0.0	4.10	15.12	311	Clear	None	
	10/26/21	<0.30	<0.33	<0.29	<1.05	<0.32	9	7.10	0.604	13.3	4.69	13.05	177	Clear	None	
MW-05-30	10/08/20	<0.25	<0.32	<0.27	<0.73	<0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	01/14/21	<0.25	<0.32	<0.27	<0.26	<0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	04/01/21	<0.25	<0.32	<0.27	<0.73	<0.26	6	6.77	1.13	10.1	3.47	8.26	160	Clear	None	
	07/09/21	0.61 J	<0.33	<0.29	<1.05	<0.32	7.15	6.61	1.12	0.0	0.45	14.51	113	Clear	None	
	09/01/21	1.3	<0.33	<0.29	<1.05	<0.32	13.2	6.70	0.932	2.1	0.85	15.11	140	Clear	None	
	10/27/21	2.0	<0.33	<0.29	<1.05	<0.32	10	7.01	0.751	0.0	0.69	15.07	170	Clear	None	
MW-05-60	09/01/21	<0.30	<0.33	<0.29	<1.05	<0.32	27.6	7.52	0.611	14.1	0.00	15.45	-530	Clear	None	
	10/27/21	<0.30	<0.33	<0.29	<1.05	<0.32	11	7.51	0.718	22.9	5.98	13.84	1	Clear	None	

Table 2
Monitoring Well Sampling Analytical Results for Select Compounds - Historical Data
Line 13 MP312 Valve Site
Fort Atkinson, Wisconsin

Well ID	Sample Date	Volatile Organic Compounds					Field Parameters (Final Reading)									
		Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Xylenes, Total (µg/L)	Trichloroethene (µg/L)	Purge Volume (L)	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Oxidation Reduction Potential (mV)	Appearance of Purge Water	Odor	
		Enforcement Standard (a) Preventative Action Limit (a)	5 140	700 160	800 400	2,000 400	5 0.5									
MW-06-32	10/08/20	<0.25	<0.32	<0.27	<0.73	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	01/14/21	0.34 J	<0.32	<0.27	<0.26	1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	04/01/21	3.4	<0.32	<0.27	<0.73	0.95 J	4.5	6.74	1.18	0.9	0.85	11.37	163	Clear	None	
	05/26/21	4.7	<0.33	<0.29	<1.05	1.3	6.25	6.73	0.991	6.1	0.00	21.41	127	Clear	None	
	06/24/21	6.3	<0.33	<0.29	<1.05	1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	07/09/21	6.8	<0.33	<0.29	<1.05	1.1	7.2	6.35	1.05	0.0	0.00	21.51	324	Clear	None	
	08/31/21	7.5	<0.33	<0.29	<1.05	0.53 J	13.2	6.66	0.824	3.3	0.00	22.41	149	Clear	None	
	10/27/21	5.9	<0.33	<0.29	<1.05	1.6	10	7.10	0.808	0.0	0.00	13.93	169	Clear	None	
MW-06-60	08/31/21	<0.30	<0.33	0.33J	<1.05	11.3	18	7.32	0.626	9.5	0.14	15.47	-522	Clear	None	
	10/27/21	<0.30	<0.33	<0.29	<1.05	15.0	22.5	7.35	0.680	31.0	0.00	14.07	-144	Clear	None	
MW-07-32	10/09/20	<0.25	<0.32	<0.27	<0.73	<0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	01/14/21	<0.25	<0.32	<0.27	<0.26	<0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	04/01/21	<0.25	<0.32	<0.27	<0.73	<0.26	13	7.44	0.905	17.0	12.90	9.76	189	Clear	None	
	07/08/21	<0.30	<0.33	<0.29	<1.05	<0.32	6.75	6.90	1.03	42.2	5.58	12.89	163	Clear	None	
	10/26/21	<0.30	<0.33	<0.29	<1.05	<0.32	11.5	7.15	0.721	9.3	6.29	13.09	159	Clear	None	
MW-07-60	09/08/21	<0.30	<0.33	<0.29	<1.05	<0.32	10.5	7.48	0.428	0.0	0.00	14.49	-329	Clear	None	
	10/26/21	<0.30	<0.33	<0.29	<1.05	<0.32	10	7.61	0.549	0.0	1.00	13.80	-51	Clear	None	
MW-08-27	10/09/20	<0.25	<0.32	<0.27	<0.73	<0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	01/14/21	<0.25	<0.32	<0.27	<0.26	<0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	04/01/21	<0.25	<0.32	<0.27	<0.73	<0.26	17	7.48	1.12	7.8	3.66	9.30	167	Clear	None	
	07/08/21	<0.30	<0.33	<0.29	<1.05	<0.32	6	6.82	1.10	0.0	1.10	12.19	263	Clear	None	
	10/26/21	<0.30	<0.33	<0.29	<1.05	<0.32	10	7.14	0.77	3.5	8.63	14.10	196	Clear	None	
MW-09-33	09/02/21	<0.30	<0.33	<0.29	<1.05	<0.32	12	7.35	1.01	0.0	2.88	15.44	50	Clear	None	
	10/27/21	<0.30	<0.33	<0.29	<1.05	<0.32	10.5	7.14	0.746	0.2	0.00	12.61	236	Clear	None	
MW-09-60	09/02/21	<0.30	<0.33	<0.29	<1.05	<0.32	18	7.53	0.729	0.0	0.60	15.02	-232	Clear	None	
	10/27/21	<0.30	<0.33	<0.29	<1.05	<0.32	13.5	7.28	0.611	1.6	0.00	13.09	-39	Clear	None	
MW-10-32	09/08/21	8.9	<0.33	<0.29	<1.05	<0.32	10.5	6.93	0.737	0.0	0.00	15.97	-73	Clear	None	
	10/27/21	15.3	<0.33	<0.29	<1.05	<0.32	18	6.80	0.918	0.0	1.26	15.43	-43	Clear	None	
MW-11-32	09/08/21	2.2	<0.33	<0.29	<1.05	<0.32	12	7.09	0.735	0.0	0.00	15.87	-141	Clear	None	
	10/27/21	2.0	<0.33	<0.29	<1.05	0.47 J	13.5	6.89	1.05	0.0	0.22	14.99	-92	Clear	None	
MW-12-31	09/01/21	<0.30	<0.33	<0.29	<1.05	<0.32	10.8	7.17	0.890	2.5	0.80	16.52	107	Clear	None	
	10/25/21	<0.30	<0.33	<0.29	<1.05	<0.32	15	6.95	1.090	0.0	3.14	14.30	170	Clear	None	

Table 2
Monitoring Well Sampling Analytical Results for Select Compounds - Historical Data
Line 13 MP312 Valve Site
Fort Atkinson, Wisconsin

Well ID	Sample Date	Volatile Organic Compounds					Field Parameters (Final Reading)								
		Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Xylenes, Total (µg/L)	Trichloroethene (µg/L)	Purge Volume (L)	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Oxidation Reduction Potential (mV)	Appearance of Purge Water	Odor
		Enforcement Standard (a)	700	800	2,000	5									
	Preventative Action Limit (a)	0.5	140	160	400	0.5									
MW-13-33	09/08/21	<0.30	<0.33	<0.29	<1.05	<0.32	19.2	6.17	0.892	0.0	1.11	12.89	-206	Clear	None
	10/27/21	<0.30	<0.33	<0.29	<1.05	<0.32	16.5	7.35	0.660	5.1	0.00	13.44	30	Clear	None
MW-14-31	09/07/21	273	0.77 J	3.4	2.09 J	<0.32	12	7.02	0.688	0.0	0.00	17.88	-193	Clear	None
	10/27/21	402	0.78 J	1.3	0.45 J	<0.32	10	7.18	0.635	0.0	0.00	16.59	-45	Clear	None
MW-15-32	09/02/21	<0.30	<0.33	<0.29	<1.05	<0.32	16.8	7.36	0.890	0.0	1.19	15.78	28	Clear	None
	10/25/21	<0.30	<0.33	<0.29	<1.05	<0.32	13.5	7.21	0.623	5.3	0.00	12.35	149	Clear	None
MW-16-29	09/01/21	<0.30	<0.33	<0.29	<1.05	<0.32	10.8	7.20	0.776	0.0	0.80	13.24	40	Clear	None
	10/25/21	<0.30	<0.33	<0.29	<1.05	<0.32	10.5	7.13	0.631	0.3	0.00	13.56	187	Clear	None
	10/27/21	<0.30	<0.33	<0.29	<1.05	<0.32	--	--	--	--	--	--	--	--	--

General Notes

Shaded = Regulatory exceedance

Bold = Enforcement Standard exceedance

Italics = Preventative Action Limit exceedance

Acronyms and Abbreviations

a/ Wisconsin Department of Natural Resources (WDNR) Administrative Code Chapter NR 140.10, Table 1 - Public Health Groundwater Standards. February 2021.

J = Estimated concentration at or above the Limit of Detection and below the Limit of Quantitation.

NA = Not accessible.

"<" = Not detected above the reported method detection limit.

ug/L = Micrograms per liter.

ENCLOSURE A – LABORATORY ANALYTICAL RESULTS

November 08, 2021

Timothy Huff
WSP USA
211 North Broadway
Saint Louis, MO 63102

RE: Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Dear Timothy Huff:

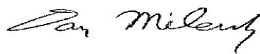
Enclosed are the analytical results for sample(s) received by the laboratory on October 29, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise 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,



Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Matt Grady, WSP USA - MADISON
Cal Johnson, WSP USA - MADISON
Brian Kimpel, WSP USA



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

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

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SAMPLE SUMMARY

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40236073001	MW-1-32	Water	10/26/21 16:21	10/29/21 07:20
40236073002	MW-1-63	Water	10/27/21 14:55	10/29/21 07:20
40236073003	MW-2-25	Water	10/25/21 14:55	10/29/21 07:20
40236073004	MW-2-55	Water	10/27/21 10:40	10/29/21 07:20
40236073005	MW-3-25	Water	10/25/21 16:13	10/29/21 07:20
40236073006	MW-4-29	Water	10/26/21 15:19	10/29/21 07:20
40236073007	MW-5-30	Water	10/27/21 11:45	10/29/21 07:20
40236073008	MW-5-60	Water	10/27/21 13:05	10/29/21 07:20
40236073009	MW-6-32	Water	10/27/21 10:26	10/29/21 07:20
40236073010	MW-6-60	Water	10/27/21 13:40	10/29/21 07:20
40236073011	MW-7-60	Water	10/26/21 12:57	10/29/21 07:20
40236073012	MW-7-32	Water	10/26/21 14:01	10/29/21 07:20
40236073013	MW-8-27	Water	10/26/21 11:11	10/29/21 07:20
40236073014	MW-9-33	Water	10/27/21 09:35	10/29/21 07:20
40236073015	MW-9-60	Water	10/27/21 10:40	10/29/21 07:20
40236073016	MW-10-32	Water	10/27/21 13:45	10/29/21 07:20
40236073017	MW-11-32	Water	10/27/21 12:05	10/29/21 07:20
40236073018	MW-12-31	Water	10/25/21 16:20	10/29/21 07:20
40236073019	MW-13-33	Water	10/27/21 11:55	10/29/21 07:20
40236073020	MW-14-31	Water	10/27/21 14:14	10/29/21 07:20
40236073021	MW-15-32	Water	10/25/21 16:45	10/29/21 07:20
40236073022	MW-16-29	Water	10/25/21 15:25	10/29/21 07:20
40236073023	EB102721A	Water	10/27/21 15:00	10/29/21 07:20
40236073024	EB102721B	Water	10/27/21 14:30	10/29/21 07:20
40236073025	102621-DUP	Water	10/26/21 00:00	10/29/21 07:20
40236073026	102721A-DUP	Water	10/27/21 00:00	10/29/21 07:20
40236073027	102721B-DUPLICATE	Water	10/27/21 00:00	10/29/21 07:20
40236073028	TRIP BLANK	Water	10/27/21 00:00	10/29/21 07:20

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SAMPLE ANALYTE COUNT

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40236073001	MW-1-32	EPA 8260	LAP	68
40236073002	MW-1-63	EPA 8260	LAP	68
40236073003	MW-2-25	EPA 8260	LAP	68
40236073004	MW-2-55	EPA 8260	LAP	68
40236073005	MW-3-25	EPA 8260	LAP	68
40236073006	MW-4-29	EPA 8260	LAP	68
40236073007	MW-5-30	EPA 8260	LAP	68
40236073008	MW-5-60	EPA 8260	LAP	68
40236073009	MW-6-32	EPA 8260	LAP	68
40236073010	MW-6-60	EPA 8260	LAP	68
40236073011	MW-7-60	EPA 8260	LAP	68
40236073012	MW-7-32	EPA 8260	LAP	68
40236073013	MW-8-27	EPA 8260	LAP	68
40236073014	MW-9-33	EPA 8260	LAP	68
40236073015	MW-9-60	EPA 8260	LAP	68
40236073016	MW-10-32	EPA 8260	JAV	68
40236073017	MW-11-32	EPA 8260	LAP	68
40236073018	MW-12-31	EPA 8260	LAP	68
40236073019	MW-13-33	EPA 8260	LAP	68
40236073020	MW-14-31	EPA 8260	LAP	68
40236073021	MW-15-32	EPA 8260	LAP	68
40236073022	MW-16-29	EPA 8260	JAV	68
40236073023	EB102721A	EPA 8260	JAV	68
40236073024	EB102721B	EPA 8260	JAV	68
40236073025	102621-DUP	EPA 8260	JAV	68
40236073026	102721A-DUP	EPA 8260	JAV	68
40236073027	102721B-DUPLICATE	EPA 8260	JAV	68
40236073028	TRIP BLANK	EPA 8260	JAV	68

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: MW-1-32 **Lab ID: 40236073001** Collected: 10/26/21 16:21 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<71.1	ug/L	200	71.1	200		11/04/21 14:37	630-20-6	
1,1,1-Trichloroethane	<60.5	ug/L	200	60.5	200		11/04/21 14:37	71-55-6	
1,1,2,2-Tetrachloroethane	<75.6	ug/L	200	75.6	200		11/04/21 14:37	79-34-5	
1,1,2-Trichloroethane	<68.9	ug/L	1000	68.9	200		11/04/21 14:37	79-00-5	
1,1-Dichloroethane	<59.1	ug/L	200	59.1	200		11/04/21 14:37	75-34-3	
1,1-Dichloroethene	<116	ug/L	200	116	200		11/04/21 14:37	75-35-4	
1,1-Dichloropropene	<82.1	ug/L	200	82.1	200		11/04/21 14:37	563-58-6	
1,2,3-Trichlorobenzene	<204	ug/L	1000	204	200		11/04/21 14:37	87-61-6	
1,2,3-Trichloropropane	<111	ug/L	1000	111	200		11/04/21 14:37	96-18-4	
1,2,4-Trichlorobenzene	<190	ug/L	1000	190	200		11/04/21 14:37	120-82-1	
1,2,4-Trimethylbenzene	<89.7	ug/L	200	89.7	200		11/04/21 14:37	95-63-6	
1,2-Dibromo-3-chloropropane	<473	ug/L	1000	473	200		11/04/21 14:37	96-12-8	
1,2-Dibromoethane (EDB)	<61.8	ug/L	200	61.8	200		11/04/21 14:37	106-93-4	
1,2-Dichlorobenzene	<65.2	ug/L	200	65.2	200		11/04/21 14:37	95-50-1	
1,2-Dichloroethane	<58.3	ug/L	200	58.3	200		11/04/21 14:37	107-06-2	
1,2-Dichloropropane	<89.6	ug/L	200	89.6	200		11/04/21 14:37	78-87-5	
1,3,5-Trimethylbenzene	<71.5	ug/L	200	71.5	200		11/04/21 14:37	108-67-8	
1,3-Dichlorobenzene	<70.2	ug/L	200	70.2	200		11/04/21 14:37	541-73-1	
1,3-Dichloropropane	<61.0	ug/L	200	61.0	200		11/04/21 14:37	142-28-9	
1,4-Dichlorobenzene	<178	ug/L	200	178	200		11/04/21 14:37	106-46-7	
2,2-Dichloropropane	<836	ug/L	1000	836	200		11/04/21 14:37	594-20-7	
2-Chlorotoluene	<178	ug/L	1000	178	200		11/04/21 14:37	95-49-8	
4-Chlorotoluene	<179	ug/L	1000	179	200		11/04/21 14:37	106-43-4	
Benzene	18900	ug/L	200	59.1	200		11/04/21 14:37	71-43-2	
Bromobenzene	<72.2	ug/L	200	72.2	200		11/04/21 14:37	108-86-1	
Bromochloromethane	<71.6	ug/L	1000	71.6	200		11/04/21 14:37	74-97-5	
Bromodichloromethane	<83.1	ug/L	200	83.1	200		11/04/21 14:37	75-27-4	
Bromoform	<760	ug/L	1000	760	200		11/04/21 14:37	75-25-2	
Bromomethane	<238	ug/L	1000	238	200		11/04/21 14:37	74-83-9	
Carbon tetrachloride	<73.9	ug/L	200	73.9	200		11/04/21 14:37	56-23-5	
Chlorobenzene	<171	ug/L	200	171	200		11/04/21 14:37	108-90-7	
Chloroethane	<276	ug/L	1000	276	200		11/04/21 14:37	75-00-3	
Chloroform	<237	ug/L	1000	237	200		11/04/21 14:37	67-66-3	
Chloromethane	<327	ug/L	1000	327	200		11/04/21 14:37	74-87-3	
Cyclohexane	556J	ug/L	1000	258	200		11/04/21 14:37	110-82-7	
Dibromochloromethane	<529	ug/L	1000	529	200		11/04/21 14:37	124-48-1	
Dibromomethane	<198	ug/L	1000	198	200		11/04/21 14:37	74-95-3	
Dichlorodifluoromethane	<91.1	ug/L	1000	91.1	200		11/04/21 14:37	75-71-8	
Diisopropyl ether	<220	ug/L	1000	220	200		11/04/21 14:37	108-20-3	
Ethylbenzene	167J	ug/L	200	65.0	200		11/04/21 14:37	100-41-4	
Hexachloro-1,3-butadiene	<547	ug/L	1000	547	200		11/04/21 14:37	87-68-3	
Isopropylbenzene (Cumene)	<200	ug/L	1000	200	200		11/04/21 14:37	98-82-8	
Methyl-tert-butyl ether	<226	ug/L	1000	226	200		11/04/21 14:37	1634-04-4	
Methylcyclohexane	<239	ug/L	1000	239	200		11/04/21 14:37	108-87-2	
Methylene Chloride	<63.9	ug/L	1000	63.9	200		11/04/21 14:37	75-09-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Sample: MW-1-32 **Lab ID: 40236073001** Collected: 10/26/21 16:21 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<226	ug/L	1000	226	200		11/04/21 14:37	91-20-3	
Styrene	<71.3	ug/L	200	71.3	200		11/04/21 14:37	100-42-5	
Tetrachloroethene	<81.7	ug/L	200	81.7	200		11/04/21 14:37	127-18-4	
Toluene	7830	ug/L	200	57.6	200		11/04/21 14:37	108-88-3	
Trichloroethene	<63.9	ug/L	200	63.9	200		11/04/21 14:37	79-01-6	
Trichlorofluoromethane	<83.7	ug/L	200	83.7	200		11/04/21 14:37	75-69-4	
Vinyl chloride	<34.9	ug/L	200	34.9	200		11/04/21 14:37	75-01-4	
cis-1,2-Dichloroethene	<94.3	ug/L	200	94.3	200		11/04/21 14:37	156-59-2	
cis-1,3-Dichloropropene	<71.6	ug/L	200	71.6	200		11/04/21 14:37	10061-01-5	
m&p-Xylene	295J	ug/L	400	140	200		11/04/21 14:37	179601-23-1	
n-Butylbenzene	<171	ug/L	200	171	200		11/04/21 14:37	104-51-8	
n-Heptane	<326	ug/L	1000	326	200		11/04/21 14:37	142-82-5	
n-Hexane	<292	ug/L	1000	292	200		11/04/21 14:37	110-54-3	
n-Propylbenzene	<69.1	ug/L	200	69.1	200		11/04/21 14:37	103-65-1	
o-Xylene	208	ug/L	200	69.6	200		11/04/21 14:37	95-47-6	
p-Isopropyltoluene	<209	ug/L	1000	209	200		11/04/21 14:37	99-87-6	
sec-Butylbenzene	<84.8	ug/L	200	84.8	200		11/04/21 14:37	135-98-8	
tert-Butylbenzene	<117	ug/L	200	117	200		11/04/21 14:37	98-06-6	
trans-1,2-Dichloroethene	<106	ug/L	200	106	200		11/04/21 14:37	156-60-5	
trans-1,3-Dichloropropene	<692	ug/L	1000	692	200		11/04/21 14:37	10061-02-6	
Surrogates									
Toluene-d8 (S)	96	%	70-130		200		11/04/21 14:37	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		200		11/04/21 14:37	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		200		11/04/21 14:37	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: MW-1-63 **Lab ID: 40236073002** Collected: 10/27/21 14:55 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		11/04/21 10:02	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 10:02	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/21 10:02	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/21 10:02	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 10:02	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/21 10:02	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		11/04/21 10:02	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		11/04/21 10:02	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		11/04/21 10:02	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/04/21 10:02	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		11/04/21 10:02	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		11/04/21 10:02	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		11/04/21 10:02	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 10:02	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/21 10:02	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/21 10:02	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 10:02	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 10:02	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		11/04/21 10:02	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		11/04/21 10:02	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		11/04/21 10:02	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 10:02	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 10:02	106-43-4	
Benzene	0.41J	ug/L	1.0	0.30	1		11/04/21 10:02	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 10:02	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/04/21 10:02	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 10:02	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/21 10:02	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/21 10:02	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/21 10:02	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 10:02	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/21 10:02	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/21 10:02	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/21 10:02	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		11/04/21 10:02	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/21 10:02	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		11/04/21 10:02	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		11/04/21 10:02	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 10:02	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 10:02	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		11/04/21 10:02	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		11/04/21 10:02	98-82-8	
Methyl-tert-butyl ether	1.6J	ug/L	5.0	1.1	1		11/04/21 10:02	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		11/04/21 10:02	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/21 10:02	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: MW-1-63 **Lab ID: 40236073002** Collected: 10/27/21 14:55 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<1.1	ug/L	5.0	1.1	1		11/04/21 10:02	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/21 10:02	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/21 10:02	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/21 10:02	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/21 10:02	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 10:02	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/21 10:02	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/21 10:02	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/21 10:02	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/04/21 10:02	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 10:02	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		11/04/21 10:02	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		11/04/21 10:02	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 10:02	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/04/21 10:02	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		11/04/21 10:02	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/04/21 10:02	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		11/04/21 10:02	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/21 10:02	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/21 10:02	10061-02-6	
Surrogates									
Toluene-d8 (S)	97	%	70-130		1		11/04/21 10:02	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		11/04/21 10:02	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		11/04/21 10:02	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: MW-2-25 **Lab ID: 40236073003** Collected: 10/25/21 14:55 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		11/04/21 10:22	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 10:22	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/21 10:22	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/21 10:22	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 10:22	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/21 10:22	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		11/04/21 10:22	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		11/04/21 10:22	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		11/04/21 10:22	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/04/21 10:22	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		11/04/21 10:22	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		11/04/21 10:22	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		11/04/21 10:22	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 10:22	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/21 10:22	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/21 10:22	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 10:22	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 10:22	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		11/04/21 10:22	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		11/04/21 10:22	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		11/04/21 10:22	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 10:22	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 10:22	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/21 10:22	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 10:22	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/04/21 10:22	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 10:22	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/21 10:22	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/21 10:22	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/21 10:22	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 10:22	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/21 10:22	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/21 10:22	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/21 10:22	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		11/04/21 10:22	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/21 10:22	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		11/04/21 10:22	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		11/04/21 10:22	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 10:22	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 10:22	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		11/04/21 10:22	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		11/04/21 10:22	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 10:22	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		11/04/21 10:22	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/21 10:22	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Sample: MW-2-25 **Lab ID: 40236073003** Collected: 10/25/21 14:55 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<1.1	ug/L	5.0	1.1	1		11/04/21 10:22	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/21 10:22	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/21 10:22	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/21 10:22	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/21 10:22	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 10:22	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/21 10:22	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/21 10:22	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/21 10:22	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/04/21 10:22	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 10:22	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		11/04/21 10:22	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		11/04/21 10:22	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 10:22	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/04/21 10:22	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		11/04/21 10:22	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/04/21 10:22	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		11/04/21 10:22	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/21 10:22	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/21 10:22	10061-02-6	
Surrogates									
Toluene-d8 (S)	97	%	70-130		1		11/04/21 10:22	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		11/04/21 10:22	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		11/04/21 10:22	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: MW-2-55 **Lab ID: 40236073004** Collected: 10/27/21 10:40 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		11/04/21 10:42	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 10:42	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/21 10:42	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/21 10:42	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 10:42	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/21 10:42	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		11/04/21 10:42	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		11/04/21 10:42	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		11/04/21 10:42	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/04/21 10:42	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		11/04/21 10:42	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		11/04/21 10:42	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		11/04/21 10:42	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 10:42	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/21 10:42	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/21 10:42	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 10:42	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 10:42	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		11/04/21 10:42	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		11/04/21 10:42	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		11/04/21 10:42	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 10:42	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 10:42	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/21 10:42	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 10:42	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/04/21 10:42	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 10:42	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/21 10:42	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/21 10:42	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/21 10:42	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 10:42	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/21 10:42	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/21 10:42	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/21 10:42	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		11/04/21 10:42	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/21 10:42	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		11/04/21 10:42	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		11/04/21 10:42	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 10:42	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 10:42	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		11/04/21 10:42	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		11/04/21 10:42	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 10:42	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		11/04/21 10:42	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/21 10:42	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Sample: MW-2-55 **Lab ID: 40236073004** Collected: 10/27/21 10:40 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<1.1	ug/L	5.0	1.1	1		11/04/21 10:42	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/21 10:42	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/21 10:42	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/21 10:42	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/21 10:42	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 10:42	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/21 10:42	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/21 10:42	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/21 10:42	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/04/21 10:42	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 10:42	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		11/04/21 10:42	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		11/04/21 10:42	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 10:42	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/04/21 10:42	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		11/04/21 10:42	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/04/21 10:42	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		11/04/21 10:42	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/21 10:42	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/21 10:42	10061-02-6	
Surrogates									
Toluene-d8 (S)	97	%	70-130		1		11/04/21 10:42	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		11/04/21 10:42	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		11/04/21 10:42	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: MW-3-25 **Lab ID: 40236073005** Collected: 10/25/21 16:13 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		11/04/21 11:01	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 11:01	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/21 11:01	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/21 11:01	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 11:01	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/21 11:01	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		11/04/21 11:01	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		11/04/21 11:01	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		11/04/21 11:01	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/04/21 11:01	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		11/04/21 11:01	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		11/04/21 11:01	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		11/04/21 11:01	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 11:01	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/21 11:01	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/21 11:01	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 11:01	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 11:01	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		11/04/21 11:01	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		11/04/21 11:01	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		11/04/21 11:01	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 11:01	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 11:01	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/21 11:01	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 11:01	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/04/21 11:01	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 11:01	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/21 11:01	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/21 11:01	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/21 11:01	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 11:01	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/21 11:01	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/21 11:01	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/21 11:01	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		11/04/21 11:01	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/21 11:01	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		11/04/21 11:01	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		11/04/21 11:01	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 11:01	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 11:01	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		11/04/21 11:01	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		11/04/21 11:01	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 11:01	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		11/04/21 11:01	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/21 11:01	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Sample: MW-3-25 **Lab ID: 40236073005** Collected: 10/25/21 16:13 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<1.1	ug/L	5.0	1.1	1		11/04/21 11:01	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/21 11:01	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/21 11:01	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/21 11:01	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/21 11:01	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 11:01	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/21 11:01	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/21 11:01	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/21 11:01	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/04/21 11:01	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 11:01	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		11/04/21 11:01	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		11/04/21 11:01	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 11:01	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/04/21 11:01	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		11/04/21 11:01	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/04/21 11:01	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		11/04/21 11:01	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/21 11:01	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/21 11:01	10061-02-6	
Surrogates									
Toluene-d8 (S)	96	%	70-130		1		11/04/21 11:01	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		11/04/21 11:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		11/04/21 11:01	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: MW-4-29 **Lab ID: 40236073006** Collected: 10/26/21 15:19 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		11/04/21 11:21	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 11:21	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/21 11:21	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/21 11:21	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 11:21	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/21 11:21	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		11/04/21 11:21	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		11/04/21 11:21	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		11/04/21 11:21	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/04/21 11:21	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		11/04/21 11:21	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		11/04/21 11:21	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		11/04/21 11:21	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 11:21	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/21 11:21	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/21 11:21	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 11:21	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 11:21	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		11/04/21 11:21	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		11/04/21 11:21	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		11/04/21 11:21	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 11:21	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 11:21	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/21 11:21	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 11:21	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/04/21 11:21	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 11:21	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/21 11:21	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/21 11:21	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/21 11:21	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 11:21	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/21 11:21	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/21 11:21	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/21 11:21	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		11/04/21 11:21	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/21 11:21	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		11/04/21 11:21	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		11/04/21 11:21	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 11:21	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 11:21	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		11/04/21 11:21	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		11/04/21 11:21	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 11:21	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		11/04/21 11:21	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/21 11:21	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Sample: MW-4-29 **Lab ID: 40236073006** Collected: 10/26/21 15:19 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<1.1	ug/L	5.0	1.1	1		11/04/21 11:21	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/21 11:21	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/21 11:21	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/21 11:21	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/21 11:21	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 11:21	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/21 11:21	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/21 11:21	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/21 11:21	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/04/21 11:21	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 11:21	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		11/04/21 11:21	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		11/04/21 11:21	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 11:21	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/04/21 11:21	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		11/04/21 11:21	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/04/21 11:21	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		11/04/21 11:21	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/21 11:21	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/21 11:21	10061-02-6	
Surrogates									
Toluene-d8 (S)	96	%	70-130		1		11/04/21 11:21	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		11/04/21 11:21	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		11/04/21 11:21	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: MW-5-30 **Lab ID: 40236073007** Collected: 10/27/21 11:45 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		11/04/21 17:21	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 17:21	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/21 17:21	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/21 17:21	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 17:21	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/21 17:21	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		11/04/21 17:21	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		11/04/21 17:21	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		11/04/21 17:21	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/04/21 17:21	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		11/04/21 17:21	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		11/04/21 17:21	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		11/04/21 17:21	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 17:21	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/21 17:21	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/21 17:21	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 17:21	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 17:21	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		11/04/21 17:21	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		11/04/21 17:21	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		11/04/21 17:21	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 17:21	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 17:21	106-43-4	
Benzene	2.0	ug/L	1.0	0.30	1		11/04/21 17:21	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 17:21	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/04/21 17:21	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 17:21	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/21 17:21	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/21 17:21	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/21 17:21	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 17:21	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/21 17:21	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/21 17:21	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/21 17:21	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		11/04/21 17:21	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/21 17:21	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		11/04/21 17:21	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		11/04/21 17:21	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 17:21	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 17:21	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		11/04/21 17:21	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		11/04/21 17:21	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 17:21	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		11/04/21 17:21	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/21 17:21	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Sample: MW-5-30 **Lab ID: 40236073007** Collected: 10/27/21 11:45 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<1.1	ug/L	5.0	1.1	1		11/04/21 17:21	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/21 17:21	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/21 17:21	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/21 17:21	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/21 17:21	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 17:21	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/21 17:21	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/21 17:21	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/21 17:21	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/04/21 17:21	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 17:21	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		11/04/21 17:21	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		11/04/21 17:21	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 17:21	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/04/21 17:21	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		11/04/21 17:21	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/04/21 17:21	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		11/04/21 17:21	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/21 17:21	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/21 17:21	10061-02-6	
Surrogates									
Toluene-d8 (S)	96	%	70-130		1		11/04/21 17:21	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		11/04/21 17:21	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		11/04/21 17:21	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: MW-5-60 **Lab ID: 40236073008** Collected: 10/27/21 13:05 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		11/04/21 17:40	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 17:40	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/21 17:40	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/21 17:40	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 17:40	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/21 17:40	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		11/04/21 17:40	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		11/04/21 17:40	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		11/04/21 17:40	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/04/21 17:40	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		11/04/21 17:40	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		11/04/21 17:40	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		11/04/21 17:40	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 17:40	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/21 17:40	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/21 17:40	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 17:40	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 17:40	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		11/04/21 17:40	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		11/04/21 17:40	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		11/04/21 17:40	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 17:40	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 17:40	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/21 17:40	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 17:40	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/04/21 17:40	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 17:40	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/21 17:40	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/21 17:40	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/21 17:40	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 17:40	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/21 17:40	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/21 17:40	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/21 17:40	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		11/04/21 17:40	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/21 17:40	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		11/04/21 17:40	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		11/04/21 17:40	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 17:40	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 17:40	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		11/04/21 17:40	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		11/04/21 17:40	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 17:40	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		11/04/21 17:40	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/21 17:40	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Sample: MW-5-60 **Lab ID: 40236073008** Collected: 10/27/21 13:05 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Naphthalene	<1.1	ug/L	5.0	1.1	1		11/04/21 17:40	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/21 17:40	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/21 17:40	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/21 17:40	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/21 17:40	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 17:40	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/21 17:40	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/21 17:40	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/21 17:40	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/04/21 17:40	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 17:40	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		11/04/21 17:40	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		11/04/21 17:40	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 17:40	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/04/21 17:40	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		11/04/21 17:40	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/04/21 17:40	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		11/04/21 17:40	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/21 17:40	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/21 17:40	10061-02-6	
Surrogates									
Toluene-d8 (S)	95	%	70-130		1		11/04/21 17:40	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		11/04/21 17:40	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		11/04/21 17:40	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: MW-6-32 **Lab ID: 40236073009** Collected: 10/27/21 10:26 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		11/04/21 18:00	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 18:00	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/21 18:00	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/21 18:00	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 18:00	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/21 18:00	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		11/04/21 18:00	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		11/04/21 18:00	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		11/04/21 18:00	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/04/21 18:00	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		11/04/21 18:00	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		11/04/21 18:00	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		11/04/21 18:00	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 18:00	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/21 18:00	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/21 18:00	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 18:00	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 18:00	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		11/04/21 18:00	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		11/04/21 18:00	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		11/04/21 18:00	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 18:00	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 18:00	106-43-4	
Benzene	5.9	ug/L	1.0	0.30	1		11/04/21 18:00	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 18:00	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/04/21 18:00	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 18:00	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/21 18:00	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/21 18:00	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/21 18:00	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 18:00	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/21 18:00	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/21 18:00	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/21 18:00	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		11/04/21 18:00	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/21 18:00	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		11/04/21 18:00	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		11/04/21 18:00	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 18:00	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 18:00	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		11/04/21 18:00	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		11/04/21 18:00	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 18:00	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		11/04/21 18:00	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/21 18:00	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Sample: MW-6-32 **Lab ID: 40236073009** Collected: 10/27/21 10:26 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<1.1	ug/L	5.0	1.1	1		11/04/21 18:00	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/21 18:00	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/21 18:00	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/21 18:00	108-88-3	
Trichloroethene	1.6	ug/L	1.0	0.32	1		11/04/21 18:00	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 18:00	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/21 18:00	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/21 18:00	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/21 18:00	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/04/21 18:00	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 18:00	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		11/04/21 18:00	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		11/04/21 18:00	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 18:00	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/04/21 18:00	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		11/04/21 18:00	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/04/21 18:00	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		11/04/21 18:00	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/21 18:00	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/21 18:00	10061-02-6	
Surrogates									
Toluene-d8 (S)	96	%	70-130		1		11/04/21 18:00	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1		11/04/21 18:00	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		11/04/21 18:00	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: MW-6-60 **Lab ID: 40236073010** Collected: 10/27/21 13:40 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		11/04/21 18:20	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 18:20	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/21 18:20	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/21 18:20	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 18:20	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/21 18:20	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		11/04/21 18:20	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		11/04/21 18:20	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		11/04/21 18:20	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/04/21 18:20	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		11/04/21 18:20	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		11/04/21 18:20	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		11/04/21 18:20	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 18:20	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/21 18:20	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/21 18:20	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 18:20	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 18:20	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		11/04/21 18:20	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		11/04/21 18:20	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		11/04/21 18:20	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 18:20	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 18:20	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/21 18:20	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 18:20	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/04/21 18:20	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 18:20	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/21 18:20	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/21 18:20	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/21 18:20	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 18:20	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/21 18:20	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/21 18:20	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/21 18:20	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		11/04/21 18:20	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/21 18:20	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		11/04/21 18:20	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		11/04/21 18:20	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 18:20	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 18:20	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		11/04/21 18:20	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		11/04/21 18:20	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 18:20	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		11/04/21 18:20	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/21 18:20	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Sample: MW-6-60 **Lab ID: 40236073010** Collected: 10/27/21 13:40 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<1.1	ug/L	5.0	1.1	1		11/04/21 18:20	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/21 18:20	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/21 18:20	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/21 18:20	108-88-3	
Trichloroethene	15.0	ug/L	1.0	0.32	1		11/04/21 18:20	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 18:20	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/21 18:20	75-01-4	
cis-1,2-Dichloroethene	0.65J	ug/L	1.0	0.47	1		11/04/21 18:20	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/21 18:20	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/04/21 18:20	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 18:20	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		11/04/21 18:20	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		11/04/21 18:20	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 18:20	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/04/21 18:20	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		11/04/21 18:20	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/04/21 18:20	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		11/04/21 18:20	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/21 18:20	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/21 18:20	10061-02-6	
Surrogates									
Toluene-d8 (S)	95	%	70-130		1		11/04/21 18:20	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1		11/04/21 18:20	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		11/04/21 18:20	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: MW-7-60 **Lab ID: 40236073011** Collected: 10/26/21 12:57 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		11/04/21 11:41	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 11:41	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/21 11:41	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/21 11:41	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 11:41	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/21 11:41	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		11/04/21 11:41	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		11/04/21 11:41	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		11/04/21 11:41	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/04/21 11:41	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		11/04/21 11:41	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		11/04/21 11:41	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		11/04/21 11:41	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 11:41	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/21 11:41	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/21 11:41	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 11:41	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 11:41	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		11/04/21 11:41	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		11/04/21 11:41	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		11/04/21 11:41	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 11:41	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 11:41	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/21 11:41	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 11:41	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/04/21 11:41	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 11:41	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/21 11:41	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/21 11:41	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/21 11:41	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 11:41	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/21 11:41	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/21 11:41	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/21 11:41	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		11/04/21 11:41	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/21 11:41	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		11/04/21 11:41	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		11/04/21 11:41	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 11:41	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 11:41	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		11/04/21 11:41	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		11/04/21 11:41	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 11:41	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		11/04/21 11:41	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/21 11:41	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Sample: MW-7-60 **Lab ID: 40236073011** Collected: 10/26/21 12:57 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Naphthalene	<1.1	ug/L	5.0	1.1	1		11/04/21 11:41	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/21 11:41	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/21 11:41	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/21 11:41	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/21 11:41	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 11:41	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/21 11:41	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/21 11:41	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/21 11:41	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/04/21 11:41	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 11:41	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		11/04/21 11:41	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		11/04/21 11:41	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 11:41	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/04/21 11:41	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		11/04/21 11:41	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/04/21 11:41	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		11/04/21 11:41	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/21 11:41	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/21 11:41	10061-02-6	
Surrogates									
Toluene-d8 (S)	97	%	70-130		1		11/04/21 11:41	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		1		11/04/21 11:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		11/04/21 11:41	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: MW-7-32 **Lab ID: 40236073012** Collected: 10/26/21 14:01 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		11/04/21 12:00	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 12:00	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/21 12:00	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/21 12:00	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 12:00	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/21 12:00	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		11/04/21 12:00	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		11/04/21 12:00	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		11/04/21 12:00	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/04/21 12:00	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		11/04/21 12:00	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		11/04/21 12:00	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		11/04/21 12:00	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 12:00	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/21 12:00	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/21 12:00	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 12:00	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 12:00	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		11/04/21 12:00	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		11/04/21 12:00	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		11/04/21 12:00	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 12:00	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 12:00	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/21 12:00	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 12:00	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/04/21 12:00	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 12:00	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/21 12:00	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/21 12:00	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/21 12:00	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 12:00	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/21 12:00	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/21 12:00	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/21 12:00	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		11/04/21 12:00	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/21 12:00	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		11/04/21 12:00	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		11/04/21 12:00	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 12:00	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 12:00	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		11/04/21 12:00	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		11/04/21 12:00	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 12:00	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		11/04/21 12:00	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/21 12:00	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Sample: MW-7-32 **Lab ID: 40236073012** Collected: 10/26/21 14:01 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<1.1	ug/L	5.0	1.1	1		11/04/21 12:00	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/21 12:00	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/21 12:00	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/21 12:00	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/21 12:00	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 12:00	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/21 12:00	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/21 12:00	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/21 12:00	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/04/21 12:00	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 12:00	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		11/04/21 12:00	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		11/04/21 12:00	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 12:00	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/04/21 12:00	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		11/04/21 12:00	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/04/21 12:00	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		11/04/21 12:00	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/21 12:00	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/21 12:00	10061-02-6	
Surrogates									
Toluene-d8 (S)	96	%	70-130		1		11/04/21 12:00	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1		11/04/21 12:00	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		11/04/21 12:00	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: MW-8-27 **Lab ID: 40236073013** Collected: 10/26/21 11:11 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		11/04/21 12:20	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 12:20	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/21 12:20	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/21 12:20	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 12:20	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/21 12:20	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		11/04/21 12:20	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		11/04/21 12:20	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		11/04/21 12:20	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/04/21 12:20	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		11/04/21 12:20	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		11/04/21 12:20	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		11/04/21 12:20	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 12:20	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/21 12:20	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/21 12:20	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 12:20	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 12:20	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		11/04/21 12:20	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		11/04/21 12:20	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		11/04/21 12:20	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 12:20	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 12:20	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/21 12:20	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 12:20	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/04/21 12:20	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 12:20	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/21 12:20	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/21 12:20	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/21 12:20	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 12:20	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/21 12:20	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/21 12:20	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/21 12:20	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		11/04/21 12:20	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/21 12:20	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		11/04/21 12:20	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		11/04/21 12:20	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 12:20	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 12:20	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		11/04/21 12:20	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		11/04/21 12:20	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 12:20	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		11/04/21 12:20	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/21 12:20	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: MW-8-27 **Lab ID: 40236073013** Collected: 10/26/21 11:11 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<1.1	ug/L	5.0	1.1	1		11/04/21 12:20	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/21 12:20	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/21 12:20	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/21 12:20	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/21 12:20	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 12:20	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/21 12:20	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/21 12:20	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/21 12:20	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/04/21 12:20	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 12:20	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		11/04/21 12:20	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		11/04/21 12:20	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 12:20	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/04/21 12:20	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		11/04/21 12:20	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/04/21 12:20	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		11/04/21 12:20	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/21 12:20	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/21 12:20	10061-02-6	
Surrogates									
Toluene-d8 (S)	97	%	70-130		1		11/04/21 12:20	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		11/04/21 12:20	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		11/04/21 12:20	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Sample: MW-9-33 **Lab ID: 40236073014** Collected: 10/27/21 09:35 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		11/04/21 09:42	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 09:42	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/21 09:42	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/21 09:42	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 09:42	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/21 09:42	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		11/04/21 09:42	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		11/04/21 09:42	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		11/04/21 09:42	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/04/21 09:42	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		11/04/21 09:42	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		11/04/21 09:42	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		11/04/21 09:42	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 09:42	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/21 09:42	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/21 09:42	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 09:42	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 09:42	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		11/04/21 09:42	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		11/04/21 09:42	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		11/04/21 09:42	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 09:42	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 09:42	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/21 09:42	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 09:42	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/04/21 09:42	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 09:42	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/21 09:42	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/21 09:42	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/21 09:42	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 09:42	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/21 09:42	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/21 09:42	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/21 09:42	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		11/04/21 09:42	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/21 09:42	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		11/04/21 09:42	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		11/04/21 09:42	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 09:42	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 09:42	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		11/04/21 09:42	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		11/04/21 09:42	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 09:42	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		11/04/21 09:42	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/21 09:42	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: MW-9-33 **Lab ID: 40236073014** Collected: 10/27/21 09:35 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<1.1	ug/L	5.0	1.1	1		11/04/21 09:42	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/21 09:42	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/21 09:42	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/21 09:42	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/21 09:42	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 09:42	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/21 09:42	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/21 09:42	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/21 09:42	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/04/21 09:42	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 09:42	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		11/04/21 09:42	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		11/04/21 09:42	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 09:42	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/04/21 09:42	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		11/04/21 09:42	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/04/21 09:42	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		11/04/21 09:42	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/21 09:42	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/21 09:42	10061-02-6	
Surrogates									
Toluene-d8 (S)	96	%	70-130		1		11/04/21 09:42	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		1		11/04/21 09:42	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		11/04/21 09:42	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Sample: MW-9-60 **Lab ID: 40236073015** Collected: 10/27/21 10:40 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		11/04/21 12:39	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 12:39	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/21 12:39	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/21 12:39	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 12:39	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/21 12:39	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		11/04/21 12:39	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		11/04/21 12:39	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		11/04/21 12:39	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/04/21 12:39	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		11/04/21 12:39	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		11/04/21 12:39	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		11/04/21 12:39	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 12:39	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/21 12:39	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/21 12:39	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 12:39	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 12:39	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		11/04/21 12:39	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		11/04/21 12:39	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		11/04/21 12:39	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 12:39	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 12:39	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/21 12:39	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 12:39	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/04/21 12:39	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 12:39	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/21 12:39	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/21 12:39	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/21 12:39	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 12:39	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/21 12:39	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/21 12:39	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/21 12:39	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		11/04/21 12:39	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/21 12:39	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		11/04/21 12:39	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		11/04/21 12:39	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 12:39	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 12:39	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		11/04/21 12:39	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		11/04/21 12:39	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 12:39	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		11/04/21 12:39	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/21 12:39	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Sample: MW-9-60 **Lab ID: 40236073015** Collected: 10/27/21 10:40 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<1.1	ug/L	5.0	1.1	1		11/04/21 12:39	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/21 12:39	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/21 12:39	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/21 12:39	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/21 12:39	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 12:39	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/21 12:39	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/21 12:39	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/21 12:39	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/04/21 12:39	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 12:39	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		11/04/21 12:39	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		11/04/21 12:39	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 12:39	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/04/21 12:39	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		11/04/21 12:39	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/04/21 12:39	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		11/04/21 12:39	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/21 12:39	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/21 12:39	10061-02-6	
Surrogates									
Toluene-d8 (S)	97	%	70-130		1		11/04/21 12:39	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1		11/04/21 12:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		11/04/21 12:39	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: MW-10-32 **Lab ID: 40236073016** Collected: 10/27/21 13:45 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		11/04/21 04:32	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 04:32	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/21 04:32	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/21 04:32	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 04:32	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/21 04:32	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		11/04/21 04:32	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		11/04/21 04:32	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		11/04/21 04:32	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/04/21 04:32	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		11/04/21 04:32	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		11/04/21 04:32	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		11/04/21 04:32	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 04:32	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/21 04:32	107-06-2	
1,2-Dichloropropane	0.54J	ug/L	1.0	0.45	1		11/04/21 04:32	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 04:32	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 04:32	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		11/04/21 04:32	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		11/04/21 04:32	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		11/04/21 04:32	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 04:32	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 04:32	106-43-4	
Benzene	15.3	ug/L	1.0	0.30	1		11/04/21 04:32	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 04:32	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/04/21 04:32	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 04:32	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/21 04:32	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/21 04:32	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/21 04:32	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 04:32	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/21 04:32	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/21 04:32	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/21 04:32	74-87-3	
Cyclohexane	22.5	ug/L	5.0	1.3	1		11/04/21 04:32	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/21 04:32	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		11/04/21 04:32	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		11/04/21 04:32	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 04:32	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 04:32	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		11/04/21 04:32	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		11/04/21 04:32	98-82-8	
Methyl-tert-butyl ether	11.4	ug/L	5.0	1.1	1		11/04/21 04:32	1634-04-4	
Methylcyclohexane	12.0	ug/L	5.0	1.2	1		11/04/21 04:32	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/21 04:32	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Sample: MW-10-32 **Lab ID: 40236073016** Collected: 10/27/21 13:45 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<1.1	ug/L	5.0	1.1	1		11/04/21 04:32	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/21 04:32	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/21 04:32	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/21 04:32	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/21 04:32	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 04:32	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/21 04:32	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/21 04:32	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/21 04:32	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/04/21 04:32	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 04:32	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		11/04/21 04:32	142-82-5	
n-Hexane	10.6	ug/L	5.0	1.5	1		11/04/21 04:32	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 04:32	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/04/21 04:32	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		11/04/21 04:32	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/04/21 04:32	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		11/04/21 04:32	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/21 04:32	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/21 04:32	10061-02-6	
Surrogates									
Toluene-d8 (S)	106	%	70-130		1		11/04/21 04:32	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		11/04/21 04:32	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		11/04/21 04:32	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: MW-11-32 **Lab ID: 40236073017** Collected: 10/27/21 12:05 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		11/04/21 12:59	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 12:59	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/21 12:59	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/21 12:59	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 12:59	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/21 12:59	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		11/04/21 12:59	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		11/04/21 12:59	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		11/04/21 12:59	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/04/21 12:59	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		11/04/21 12:59	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		11/04/21 12:59	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		11/04/21 12:59	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 12:59	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/21 12:59	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/21 12:59	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 12:59	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 12:59	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		11/04/21 12:59	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		11/04/21 12:59	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		11/04/21 12:59	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 12:59	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 12:59	106-43-4	
Benzene	2.0	ug/L	1.0	0.30	1		11/04/21 12:59	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 12:59	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/04/21 12:59	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 12:59	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/21 12:59	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/21 12:59	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/21 12:59	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 12:59	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/21 12:59	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/21 12:59	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/21 12:59	74-87-3	
Cyclohexane	3.9J	ug/L	5.0	1.3	1		11/04/21 12:59	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/21 12:59	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		11/04/21 12:59	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		11/04/21 12:59	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 12:59	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 12:59	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		11/04/21 12:59	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		11/04/21 12:59	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 12:59	1634-04-4	
Methylcyclohexane	1.6J	ug/L	5.0	1.2	1		11/04/21 12:59	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/21 12:59	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Sample: MW-11-32 **Lab ID: 40236073017** Collected: 10/27/21 12:05 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<1.1	ug/L	5.0	1.1	1		11/04/21 12:59	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/21 12:59	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/21 12:59	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/21 12:59	108-88-3	
Trichloroethene	0.47J	ug/L	1.0	0.32	1		11/04/21 12:59	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 12:59	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/21 12:59	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/21 12:59	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/21 12:59	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/04/21 12:59	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 12:59	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		11/04/21 12:59	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		11/04/21 12:59	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 12:59	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/04/21 12:59	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		11/04/21 12:59	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/04/21 12:59	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		11/04/21 12:59	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/21 12:59	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/21 12:59	10061-02-6	
Surrogates									
Toluene-d8 (S)	97	%	70-130		1		11/04/21 12:59	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		11/04/21 12:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		11/04/21 12:59	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: MW-12-31 **Lab ID: 40236073018** Collected: 10/25/21 16:20 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		11/04/21 13:19	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 13:19	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/21 13:19	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/21 13:19	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 13:19	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/21 13:19	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		11/04/21 13:19	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		11/04/21 13:19	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		11/04/21 13:19	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/04/21 13:19	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		11/04/21 13:19	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		11/04/21 13:19	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		11/04/21 13:19	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 13:19	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/21 13:19	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/21 13:19	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 13:19	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 13:19	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		11/04/21 13:19	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		11/04/21 13:19	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		11/04/21 13:19	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 13:19	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 13:19	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/21 13:19	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 13:19	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/04/21 13:19	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 13:19	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/21 13:19	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/21 13:19	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/21 13:19	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 13:19	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/21 13:19	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/21 13:19	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/21 13:19	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		11/04/21 13:19	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/21 13:19	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		11/04/21 13:19	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		11/04/21 13:19	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 13:19	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 13:19	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		11/04/21 13:19	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		11/04/21 13:19	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 13:19	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		11/04/21 13:19	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/21 13:19	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Sample: MW-12-31 **Lab ID: 40236073018** Collected: 10/25/21 16:20 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<1.1	ug/L	5.0	1.1	1		11/04/21 13:19	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/21 13:19	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/21 13:19	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/21 13:19	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/21 13:19	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 13:19	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/21 13:19	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/21 13:19	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/21 13:19	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/04/21 13:19	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 13:19	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		11/04/21 13:19	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		11/04/21 13:19	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 13:19	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/04/21 13:19	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		11/04/21 13:19	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/04/21 13:19	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		11/04/21 13:19	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/21 13:19	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/21 13:19	10061-02-6	
Surrogates									
Toluene-d8 (S)	98	%	70-130		1		11/04/21 13:19	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		1		11/04/21 13:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		11/04/21 13:19	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: MW-13-33 **Lab ID: 40236073019** Collected: 10/27/21 11:55 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		11/04/21 13:39	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 13:39	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/21 13:39	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/21 13:39	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 13:39	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/21 13:39	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		11/04/21 13:39	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		11/04/21 13:39	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		11/04/21 13:39	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/04/21 13:39	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		11/04/21 13:39	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		11/04/21 13:39	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		11/04/21 13:39	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 13:39	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/21 13:39	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/21 13:39	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 13:39	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 13:39	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		11/04/21 13:39	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		11/04/21 13:39	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		11/04/21 13:39	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 13:39	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 13:39	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/21 13:39	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 13:39	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/04/21 13:39	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 13:39	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/21 13:39	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/21 13:39	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/21 13:39	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 13:39	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/21 13:39	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/21 13:39	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/21 13:39	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		11/04/21 13:39	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/21 13:39	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		11/04/21 13:39	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		11/04/21 13:39	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 13:39	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 13:39	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		11/04/21 13:39	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		11/04/21 13:39	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 13:39	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		11/04/21 13:39	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/21 13:39	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Sample: MW-13-33 **Lab ID: 40236073019** Collected: 10/27/21 11:55 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<1.1	ug/L	5.0	1.1	1		11/04/21 13:39	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/21 13:39	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/21 13:39	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/21 13:39	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/21 13:39	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 13:39	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/21 13:39	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/21 13:39	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/21 13:39	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/04/21 13:39	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 13:39	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		11/04/21 13:39	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		11/04/21 13:39	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 13:39	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/04/21 13:39	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		11/04/21 13:39	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/04/21 13:39	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		11/04/21 13:39	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/21 13:39	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/21 13:39	10061-02-6	
Surrogates									
Toluene-d8 (S)	97	%	70-130		1		11/04/21 13:39	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		11/04/21 13:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		11/04/21 13:39	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Sample: MW-14-31 **Lab ID: 40236073020** Collected: 10/27/21 14:14 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		11/04/21 13:58	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 13:58	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/21 13:58	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/21 13:58	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 13:58	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/21 13:58	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		11/04/21 13:58	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		11/04/21 13:58	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		11/04/21 13:58	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/04/21 13:58	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		11/04/21 13:58	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		11/04/21 13:58	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		11/04/21 13:58	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 13:58	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/21 13:58	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/21 13:58	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 13:58	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 13:58	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		11/04/21 13:58	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		11/04/21 13:58	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		11/04/21 13:58	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 13:58	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 13:58	106-43-4	
Benzene	402	ug/L	4.0	1.2	4		11/05/21 02:31	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 13:58	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/04/21 13:58	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 13:58	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/21 13:58	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/21 13:58	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/21 13:58	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 13:58	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/21 13:58	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/21 13:58	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/21 13:58	74-87-3	
Cyclohexane	44.4	ug/L	5.0	1.3	1		11/04/21 13:58	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/21 13:58	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		11/04/21 13:58	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		11/04/21 13:58	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 13:58	108-20-3	
Ethylbenzene	0.78J	ug/L	1.0	0.33	1		11/04/21 13:58	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		11/04/21 13:58	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		11/04/21 13:58	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 13:58	1634-04-4	
Methylcyclohexane	10.4	ug/L	5.0	1.2	1		11/04/21 13:58	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/21 13:58	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Sample: MW-14-31 **Lab ID: 40236073020** Collected: 10/27/21 14:14 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<1.1	ug/L	5.0	1.1	1		11/04/21 13:58	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/21 13:58	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/21 13:58	127-18-4	
Toluene	1.3	ug/L	1.0	0.29	1		11/04/21 13:58	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/21 13:58	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 13:58	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/21 13:58	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/21 13:58	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/21 13:58	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/04/21 13:58	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 13:58	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		11/04/21 13:58	142-82-5	
n-Hexane	2.7J	ug/L	5.0	1.5	1		11/04/21 13:58	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 13:58	103-65-1	
o-Xylene	0.45J	ug/L	1.0	0.35	1		11/04/21 13:58	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		11/04/21 13:58	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/04/21 13:58	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		11/04/21 13:58	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/21 13:58	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/21 13:58	10061-02-6	
Surrogates									
Toluene-d8 (S)	97	%	70-130		1		11/04/21 13:58	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		1		11/04/21 13:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		11/04/21 13:58	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: MW-15-32 **Lab ID: 40236073021** Collected: 10/25/21 16:45 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		11/04/21 14:18	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 14:18	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/21 14:18	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/21 14:18	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 14:18	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/21 14:18	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		11/04/21 14:18	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		11/04/21 14:18	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		11/04/21 14:18	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/04/21 14:18	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		11/04/21 14:18	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		11/04/21 14:18	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		11/04/21 14:18	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 14:18	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/21 14:18	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/21 14:18	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 14:18	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 14:18	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		11/04/21 14:18	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		11/04/21 14:18	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		11/04/21 14:18	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 14:18	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 14:18	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/21 14:18	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 14:18	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/04/21 14:18	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 14:18	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/21 14:18	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/21 14:18	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/21 14:18	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 14:18	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/21 14:18	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/21 14:18	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/21 14:18	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		11/04/21 14:18	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/21 14:18	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		11/04/21 14:18	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		11/04/21 14:18	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 14:18	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 14:18	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		11/04/21 14:18	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		11/04/21 14:18	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 14:18	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		11/04/21 14:18	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/21 14:18	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Sample: MW-15-32 **Lab ID: 40236073021** Collected: 10/25/21 16:45 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<1.1	ug/L	5.0	1.1	1		11/04/21 14:18	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/21 14:18	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/21 14:18	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/21 14:18	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/21 14:18	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 14:18	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/21 14:18	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/21 14:18	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/21 14:18	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/04/21 14:18	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 14:18	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		11/04/21 14:18	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		11/04/21 14:18	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 14:18	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/04/21 14:18	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		11/04/21 14:18	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/04/21 14:18	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		11/04/21 14:18	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/21 14:18	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/21 14:18	10061-02-6	
Surrogates									
Toluene-d8 (S)	97	%	70-130		1		11/04/21 14:18	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1		11/04/21 14:18	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		11/04/21 14:18	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: MW-16-29 **Lab ID: 40236073022** Collected: 10/25/21 15:25 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		11/04/21 04:51	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 04:51	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/21 04:51	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/21 04:51	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 04:51	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/21 04:51	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		11/04/21 04:51	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		11/04/21 04:51	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		11/04/21 04:51	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/04/21 04:51	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		11/04/21 04:51	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		11/04/21 04:51	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		11/04/21 04:51	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 04:51	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/21 04:51	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/21 04:51	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 04:51	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 04:51	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		11/04/21 04:51	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		11/04/21 04:51	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		11/04/21 04:51	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 04:51	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 04:51	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/21 04:51	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 04:51	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/04/21 04:51	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 04:51	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/21 04:51	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/21 04:51	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/21 04:51	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 04:51	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/21 04:51	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/21 04:51	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/21 04:51	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		11/04/21 04:51	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/21 04:51	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		11/04/21 04:51	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		11/04/21 04:51	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 04:51	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 04:51	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		11/04/21 04:51	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		11/04/21 04:51	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 04:51	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		11/04/21 04:51	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/21 04:51	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: MW-16-29 **Lab ID: 40236073022** Collected: 10/25/21 15:25 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<1.1	ug/L	5.0	1.1	1		11/04/21 04:51	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/21 04:51	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/21 04:51	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/21 04:51	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/21 04:51	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 04:51	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/21 04:51	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/21 04:51	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/21 04:51	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/04/21 04:51	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 04:51	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		11/04/21 04:51	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		11/04/21 04:51	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 04:51	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/04/21 04:51	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		11/04/21 04:51	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/04/21 04:51	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		11/04/21 04:51	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/21 04:51	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/21 04:51	10061-02-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1		11/04/21 04:51	2037-26-5	
4-Bromofluorobenzene (S)	87	%	70-130		1		11/04/21 04:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		11/04/21 04:51	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: EB102721A **Lab ID: 40236073023** Collected: 10/27/21 15:00 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		11/04/21 05:10	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 05:10	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/21 05:10	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/21 05:10	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 05:10	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/21 05:10	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		11/04/21 05:10	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		11/04/21 05:10	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		11/04/21 05:10	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/04/21 05:10	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		11/04/21 05:10	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		11/04/21 05:10	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		11/04/21 05:10	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 05:10	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/21 05:10	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/21 05:10	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 05:10	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 05:10	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		11/04/21 05:10	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		11/04/21 05:10	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		11/04/21 05:10	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 05:10	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 05:10	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/21 05:10	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 05:10	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/04/21 05:10	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 05:10	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/21 05:10	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/21 05:10	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/21 05:10	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 05:10	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/21 05:10	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/21 05:10	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/21 05:10	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		11/04/21 05:10	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/21 05:10	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		11/04/21 05:10	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		11/04/21 05:10	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 05:10	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 05:10	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		11/04/21 05:10	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		11/04/21 05:10	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 05:10	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		11/04/21 05:10	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/21 05:10	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Sample: EB102721A **Lab ID: 40236073023** Collected: 10/27/21 15:00 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<1.1	ug/L	5.0	1.1	1		11/04/21 05:10	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/21 05:10	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/21 05:10	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/21 05:10	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/21 05:10	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 05:10	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/21 05:10	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/21 05:10	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/21 05:10	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/04/21 05:10	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 05:10	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		11/04/21 05:10	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		11/04/21 05:10	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 05:10	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/04/21 05:10	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		11/04/21 05:10	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/04/21 05:10	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		11/04/21 05:10	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/21 05:10	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/21 05:10	10061-02-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1		11/04/21 05:10	2037-26-5	
4-Bromofluorobenzene (S)	86	%	70-130		1		11/04/21 05:10	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		11/04/21 05:10	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: EB102721B **Lab ID: 40236073024** Collected: 10/27/21 14:30 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		11/04/21 05:30	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 05:30	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/21 05:30	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/21 05:30	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 05:30	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/21 05:30	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		11/04/21 05:30	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		11/04/21 05:30	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		11/04/21 05:30	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/04/21 05:30	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		11/04/21 05:30	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		11/04/21 05:30	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		11/04/21 05:30	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 05:30	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/21 05:30	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/21 05:30	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 05:30	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 05:30	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		11/04/21 05:30	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		11/04/21 05:30	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		11/04/21 05:30	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 05:30	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 05:30	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/21 05:30	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 05:30	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/04/21 05:30	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 05:30	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/21 05:30	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/21 05:30	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/21 05:30	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 05:30	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/21 05:30	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/21 05:30	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/21 05:30	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		11/04/21 05:30	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/21 05:30	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		11/04/21 05:30	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		11/04/21 05:30	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 05:30	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 05:30	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		11/04/21 05:30	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		11/04/21 05:30	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 05:30	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		11/04/21 05:30	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/21 05:30	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Sample: EB102721B **Lab ID: 40236073024** Collected: 10/27/21 14:30 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<1.1	ug/L	5.0	1.1	1		11/04/21 05:30	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/21 05:30	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/21 05:30	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/21 05:30	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/21 05:30	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 05:30	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/21 05:30	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/21 05:30	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/21 05:30	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/04/21 05:30	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 05:30	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		11/04/21 05:30	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		11/04/21 05:30	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 05:30	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/04/21 05:30	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		11/04/21 05:30	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/04/21 05:30	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		11/04/21 05:30	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/21 05:30	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/21 05:30	10061-02-6	
Surrogates									
Toluene-d8 (S)	105	%	70-130		1		11/04/21 05:30	2037-26-5	
4-Bromofluorobenzene (S)	87	%	70-130		1		11/04/21 05:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		11/04/21 05:30	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: 102621-DUP **Lab ID: 40236073025** Collected: 10/26/21 00:00 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<71.1	ug/L	200	71.1	200		11/04/21 09:06	630-20-6	
1,1,1-Trichloroethane	<60.5	ug/L	200	60.5	200		11/04/21 09:06	71-55-6	
1,1,2,2-Tetrachloroethane	<75.6	ug/L	200	75.6	200		11/04/21 09:06	79-34-5	
1,1,2-Trichloroethane	<68.9	ug/L	1000	68.9	200		11/04/21 09:06	79-00-5	
1,1-Dichloroethane	<59.1	ug/L	200	59.1	200		11/04/21 09:06	75-34-3	
1,1-Dichloroethene	<116	ug/L	200	116	200		11/04/21 09:06	75-35-4	
1,1-Dichloropropene	<82.1	ug/L	200	82.1	200		11/04/21 09:06	563-58-6	
1,2,3-Trichlorobenzene	<204	ug/L	1000	204	200		11/04/21 09:06	87-61-6	
1,2,3-Trichloropropane	<111	ug/L	1000	111	200		11/04/21 09:06	96-18-4	
1,2,4-Trichlorobenzene	<190	ug/L	1000	190	200		11/04/21 09:06	120-82-1	
1,2,4-Trimethylbenzene	<89.7	ug/L	200	89.7	200		11/04/21 09:06	95-63-6	
1,2-Dibromo-3-chloropropane	<473	ug/L	1000	473	200		11/04/21 09:06	96-12-8	
1,2-Dibromoethane (EDB)	<61.8	ug/L	200	61.8	200		11/04/21 09:06	106-93-4	
1,2-Dichlorobenzene	<65.2	ug/L	200	65.2	200		11/04/21 09:06	95-50-1	
1,2-Dichloroethane	<58.3	ug/L	200	58.3	200		11/04/21 09:06	107-06-2	
1,2-Dichloropropane	<89.6	ug/L	200	89.6	200		11/04/21 09:06	78-87-5	
1,3,5-Trimethylbenzene	<71.5	ug/L	200	71.5	200		11/04/21 09:06	108-67-8	
1,3-Dichlorobenzene	<70.2	ug/L	200	70.2	200		11/04/21 09:06	541-73-1	
1,3-Dichloropropane	<61.0	ug/L	200	61.0	200		11/04/21 09:06	142-28-9	
1,4-Dichlorobenzene	<178	ug/L	200	178	200		11/04/21 09:06	106-46-7	
2,2-Dichloropropane	<836	ug/L	1000	836	200		11/04/21 09:06	594-20-7	
2-Chlorotoluene	<178	ug/L	1000	178	200		11/04/21 09:06	95-49-8	
4-Chlorotoluene	<179	ug/L	1000	179	200		11/04/21 09:06	106-43-4	
Benzene	20600	ug/L	200	59.1	200		11/04/21 09:06	71-43-2	
Bromobenzene	<72.2	ug/L	200	72.2	200		11/04/21 09:06	108-86-1	
Bromochloromethane	<71.6	ug/L	1000	71.6	200		11/04/21 09:06	74-97-5	
Bromodichloromethane	<83.1	ug/L	200	83.1	200		11/04/21 09:06	75-27-4	
Bromoform	<760	ug/L	1000	760	200		11/04/21 09:06	75-25-2	
Bromomethane	<238	ug/L	1000	238	200		11/04/21 09:06	74-83-9	1q
Carbon tetrachloride	<73.9	ug/L	200	73.9	200		11/04/21 09:06	56-23-5	
Chlorobenzene	<171	ug/L	200	171	200		11/04/21 09:06	108-90-7	
Chloroethane	<276	ug/L	1000	276	200		11/04/21 09:06	75-00-3	
Chloroform	<237	ug/L	1000	237	200		11/04/21 09:06	67-66-3	
Chloromethane	<327	ug/L	1000	327	200		11/04/21 09:06	74-87-3	
Cyclohexane	676J	ug/L	1000	258	200		11/04/21 09:06	110-82-7	
Dibromochloromethane	<529	ug/L	1000	529	200		11/04/21 09:06	124-48-1	
Dibromomethane	<198	ug/L	1000	198	200		11/04/21 09:06	74-95-3	
Dichlorodifluoromethane	<91.1	ug/L	1000	91.1	200		11/04/21 09:06	75-71-8	
Diisopropyl ether	<220	ug/L	1000	220	200		11/04/21 09:06	108-20-3	
Ethylbenzene	191J	ug/L	200	65.0	200		11/04/21 09:06	100-41-4	
Hexachloro-1,3-butadiene	<547	ug/L	1000	547	200		11/04/21 09:06	87-68-3	
Isopropylbenzene (Cumene)	<200	ug/L	1000	200	200		11/04/21 09:06	98-82-8	
Methyl-tert-butyl ether	<226	ug/L	1000	226	200		11/04/21 09:06	1634-04-4	
Methylcyclohexane	<239	ug/L	1000	239	200		11/04/21 09:06	108-87-2	
Methylene Chloride	<63.9	ug/L	1000	63.9	200		11/04/21 09:06	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: 102621-DUP **Lab ID: 40236073025** Collected: 10/26/21 00:00 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<226	ug/L	1000	226	200		11/04/21 09:06	91-20-3	
Styrene	<71.3	ug/L	200	71.3	200		11/04/21 09:06	100-42-5	
Tetrachloroethene	<81.7	ug/L	200	81.7	200		11/04/21 09:06	127-18-4	
Toluene	8510	ug/L	200	57.6	200		11/04/21 09:06	108-88-3	
Trichloroethene	<63.9	ug/L	200	63.9	200		11/04/21 09:06	79-01-6	
Trichlorofluoromethane	<83.7	ug/L	200	83.7	200		11/04/21 09:06	75-69-4	
Vinyl chloride	<34.9	ug/L	200	34.9	200		11/04/21 09:06	75-01-4	
cis-1,2-Dichloroethene	<94.3	ug/L	200	94.3	200		11/04/21 09:06	156-59-2	
cis-1,3-Dichloropropene	<71.6	ug/L	200	71.6	200		11/04/21 09:06	10061-01-5	
m&p-Xylene	366J	ug/L	400	140	200		11/04/21 09:06	179601-23-1	
n-Butylbenzene	<171	ug/L	200	171	200		11/04/21 09:06	104-51-8	
n-Heptane	<326	ug/L	1000	326	200		11/04/21 09:06	142-82-5	
n-Hexane	<292	ug/L	1000	292	200		11/04/21 09:06	110-54-3	
n-Propylbenzene	<69.1	ug/L	200	69.1	200		11/04/21 09:06	103-65-1	
o-Xylene	268	ug/L	200	69.6	200		11/04/21 09:06	95-47-6	
p-Isopropyltoluene	<209	ug/L	1000	209	200		11/04/21 09:06	99-87-6	
sec-Butylbenzene	<84.8	ug/L	200	84.8	200		11/04/21 09:06	135-98-8	
tert-Butylbenzene	<117	ug/L	200	117	200		11/04/21 09:06	98-06-6	
trans-1,2-Dichloroethene	<106	ug/L	200	106	200		11/04/21 09:06	156-60-5	
trans-1,3-Dichloropropene	<692	ug/L	1000	692	200		11/04/21 09:06	10061-02-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		200		11/04/21 09:06	2037-26-5	
4-Bromofluorobenzene (S)	87	%	70-130		200		11/04/21 09:06	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		200		11/04/21 09:06	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: 102721A-DUP **Lab ID: 40236073026** Collected: 10/27/21 00:00 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		11/04/21 05:49	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 05:49	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/21 05:49	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/21 05:49	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 05:49	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/21 05:49	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		11/04/21 05:49	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		11/04/21 05:49	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		11/04/21 05:49	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/04/21 05:49	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		11/04/21 05:49	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		11/04/21 05:49	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		11/04/21 05:49	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 05:49	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/21 05:49	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/21 05:49	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 05:49	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 05:49	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		11/04/21 05:49	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		11/04/21 05:49	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		11/04/21 05:49	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 05:49	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 05:49	106-43-4	
Benzene	6.0	ug/L	1.0	0.30	1		11/04/21 05:49	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 05:49	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/04/21 05:49	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 05:49	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/21 05:49	75-25-2	
Bromomethane	4.5J	ug/L	5.0	1.2	1		11/04/21 05:49	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/21 05:49	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 05:49	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/21 05:49	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/21 05:49	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/21 05:49	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		11/04/21 05:49	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/21 05:49	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		11/04/21 05:49	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		11/04/21 05:49	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 05:49	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 05:49	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		11/04/21 05:49	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		11/04/21 05:49	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 05:49	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		11/04/21 05:49	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/21 05:49	75-09-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: 102721A-DUP **Lab ID: 40236073026** Collected: 10/27/21 00:00 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<1.1	ug/L	5.0	1.1	1		11/04/21 05:49	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/21 05:49	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/21 05:49	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/21 05:49	108-88-3	
Trichloroethene	1.1	ug/L	1.0	0.32	1		11/04/21 05:49	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 05:49	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/21 05:49	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/21 05:49	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/21 05:49	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/04/21 05:49	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 05:49	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		11/04/21 05:49	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		11/04/21 05:49	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 05:49	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/04/21 05:49	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		11/04/21 05:49	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/04/21 05:49	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		11/04/21 05:49	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/21 05:49	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/21 05:49	10061-02-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1		11/04/21 05:49	2037-26-5	
4-Bromofluorobenzene (S)	86	%	70-130		1		11/04/21 05:49	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		11/04/21 05:49	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: 102721B-DUPLICATE **Lab ID: 40236073027** Collected: 10/27/21 00:00 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<1.8	ug/L	5.0	1.8	5		11/04/21 08:46	630-20-6	
1,1,1-Trichloroethane	<1.5	ug/L	5.0	1.5	5		11/04/21 08:46	71-55-6	
1,1,2,2-Tetrachloroethane	<1.9	ug/L	5.0	1.9	5		11/04/21 08:46	79-34-5	
1,1,2-Trichloroethane	<1.7	ug/L	25.0	1.7	5		11/04/21 08:46	79-00-5	
1,1-Dichloroethane	<1.5	ug/L	5.0	1.5	5		11/04/21 08:46	75-34-3	
1,1-Dichloroethene	<2.9	ug/L	5.0	2.9	5		11/04/21 08:46	75-35-4	
1,1-Dichloropropene	<2.1	ug/L	5.0	2.1	5		11/04/21 08:46	563-58-6	
1,2,3-Trichlorobenzene	<5.1	ug/L	25.0	5.1	5		11/04/21 08:46	87-61-6	
1,2,3-Trichloropropane	<2.8	ug/L	25.0	2.8	5		11/04/21 08:46	96-18-4	
1,2,4-Trichlorobenzene	<4.8	ug/L	25.0	4.8	5		11/04/21 08:46	120-82-1	
1,2,4-Trimethylbenzene	<2.2	ug/L	5.0	2.2	5		11/04/21 08:46	95-63-6	
1,2-Dibromo-3-chloropropane	<11.8	ug/L	25.0	11.8	5		11/04/21 08:46	96-12-8	
1,2-Dibromoethane (EDB)	<1.5	ug/L	5.0	1.5	5		11/04/21 08:46	106-93-4	
1,2-Dichlorobenzene	<1.6	ug/L	5.0	1.6	5		11/04/21 08:46	95-50-1	
1,2-Dichloroethane	<1.5	ug/L	5.0	1.5	5		11/04/21 08:46	107-06-2	
1,2-Dichloropropane	<2.2	ug/L	5.0	2.2	5		11/04/21 08:46	78-87-5	
1,3,5-Trimethylbenzene	<1.8	ug/L	5.0	1.8	5		11/04/21 08:46	108-67-8	
1,3-Dichlorobenzene	<1.8	ug/L	5.0	1.8	5		11/04/21 08:46	541-73-1	
1,3-Dichloropropane	<1.5	ug/L	5.0	1.5	5		11/04/21 08:46	142-28-9	
1,4-Dichlorobenzene	<4.5	ug/L	5.0	4.5	5		11/04/21 08:46	106-46-7	
2,2-Dichloropropane	<20.9	ug/L	25.0	20.9	5		11/04/21 08:46	594-20-7	
2-Chlorotoluene	<4.4	ug/L	25.0	4.4	5		11/04/21 08:46	95-49-8	
4-Chlorotoluene	<4.5	ug/L	25.0	4.5	5		11/04/21 08:46	106-43-4	
Benzene	408	ug/L	5.0	1.5	5		11/04/21 08:46	71-43-2	
Bromobenzene	<1.8	ug/L	5.0	1.8	5		11/04/21 08:46	108-86-1	
Bromochloromethane	<1.8	ug/L	25.0	1.8	5		11/04/21 08:46	74-97-5	
Bromodichloromethane	<2.1	ug/L	5.0	2.1	5		11/04/21 08:46	75-27-4	
Bromoform	<19.0	ug/L	25.0	19.0	5		11/04/21 08:46	75-25-2	
Bromomethane	<6.0	ug/L	25.0	6.0	5		11/04/21 08:46	74-83-9	1q
Carbon tetrachloride	<1.8	ug/L	5.0	1.8	5		11/04/21 08:46	56-23-5	
Chlorobenzene	<4.3	ug/L	5.0	4.3	5		11/04/21 08:46	108-90-7	
Chloroethane	<6.9	ug/L	25.0	6.9	5		11/04/21 08:46	75-00-3	
Chloroform	<5.9	ug/L	25.0	5.9	5		11/04/21 08:46	67-66-3	
Chloromethane	<8.2	ug/L	25.0	8.2	5		11/04/21 08:46	74-87-3	
Cyclohexane	40.2	ug/L	25.0	6.4	5		11/04/21 08:46	110-82-7	
Dibromochloromethane	<13.2	ug/L	25.0	13.2	5		11/04/21 08:46	124-48-1	
Dibromomethane	<5.0	ug/L	25.0	5.0	5		11/04/21 08:46	74-95-3	
Dichlorodifluoromethane	<2.3	ug/L	25.0	2.3	5		11/04/21 08:46	75-71-8	
Diisopropyl ether	<5.5	ug/L	25.0	5.5	5		11/04/21 08:46	108-20-3	
Ethylbenzene	<1.6	ug/L	5.0	1.6	5		11/04/21 08:46	100-41-4	
Hexachloro-1,3-butadiene	<13.7	ug/L	25.0	13.7	5		11/04/21 08:46	87-68-3	
Isopropylbenzene (Cumene)	<5.0	ug/L	25.0	5.0	5		11/04/21 08:46	98-82-8	
Methyl-tert-butyl ether	<5.6	ug/L	25.0	5.6	5		11/04/21 08:46	1634-04-4	
Methylcyclohexane	10.7J	ug/L	25.0	6.0	5		11/04/21 08:46	108-87-2	
Methylene Chloride	<1.6	ug/L	25.0	1.6	5		11/04/21 08:46	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Sample: 102721B-DUPLICATE **Lab ID: 40236073027** Collected: 10/27/21 00:00 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<5.6	ug/L	25.0	5.6	5		11/04/21 08:46	91-20-3	
Styrene	<1.8	ug/L	5.0	1.8	5		11/04/21 08:46	100-42-5	
Tetrachloroethene	<2.0	ug/L	5.0	2.0	5		11/04/21 08:46	127-18-4	
Toluene	<1.4	ug/L	5.0	1.4	5		11/04/21 08:46	108-88-3	
Trichloroethene	<1.6	ug/L	5.0	1.6	5		11/04/21 08:46	79-01-6	
Trichlorofluoromethane	<2.1	ug/L	5.0	2.1	5		11/04/21 08:46	75-69-4	
Vinyl chloride	<0.87	ug/L	5.0	0.87	5		11/04/21 08:46	75-01-4	
cis-1,2-Dichloroethene	<2.4	ug/L	5.0	2.4	5		11/04/21 08:46	156-59-2	
cis-1,3-Dichloropropene	<1.8	ug/L	5.0	1.8	5		11/04/21 08:46	10061-01-5	
m&p-Xylene	<3.5	ug/L	10.0	3.5	5		11/04/21 08:46	179601-23-1	
n-Butylbenzene	<4.3	ug/L	5.0	4.3	5		11/04/21 08:46	104-51-8	
n-Heptane	<8.2	ug/L	25.0	8.2	5		11/04/21 08:46	142-82-5	
n-Hexane	<7.3	ug/L	25.0	7.3	5		11/04/21 08:46	110-54-3	
n-Propylbenzene	<1.7	ug/L	5.0	1.7	5		11/04/21 08:46	103-65-1	
o-Xylene	<1.7	ug/L	5.0	1.7	5		11/04/21 08:46	95-47-6	
p-Isopropyltoluene	<5.2	ug/L	25.0	5.2	5		11/04/21 08:46	99-87-6	
sec-Butylbenzene	<2.1	ug/L	5.0	2.1	5		11/04/21 08:46	135-98-8	
tert-Butylbenzene	<2.9	ug/L	5.0	2.9	5		11/04/21 08:46	98-06-6	
trans-1,2-Dichloroethene	<2.6	ug/L	5.0	2.6	5		11/04/21 08:46	156-60-5	
trans-1,3-Dichloropropene	<17.3	ug/L	25.0	17.3	5		11/04/21 08:46	10061-02-6	
Surrogates									
Toluene-d8 (S)	104	%	70-130		5		11/04/21 08:46	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-130		5		11/04/21 08:46	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		5		11/04/21 08:46	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: TRIP BLANK **Lab ID: 40236073028** Collected: 10/27/21 00:00 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		11/04/21 01:18	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 01:18	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/21 01:18	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/21 01:18	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/21 01:18	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/21 01:18	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		11/04/21 01:18	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		11/04/21 01:18	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		11/04/21 01:18	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/04/21 01:18	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		11/04/21 01:18	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		11/04/21 01:18	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		11/04/21 01:18	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 01:18	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/21 01:18	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/21 01:18	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 01:18	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 01:18	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		11/04/21 01:18	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		11/04/21 01:18	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		11/04/21 01:18	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 01:18	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		11/04/21 01:18	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/21 01:18	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		11/04/21 01:18	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/04/21 01:18	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 01:18	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/21 01:18	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/21 01:18	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/21 01:18	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 01:18	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/21 01:18	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/21 01:18	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/21 01:18	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		11/04/21 01:18	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/21 01:18	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		11/04/21 01:18	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		11/04/21 01:18	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 01:18	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/21 01:18	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		11/04/21 01:18	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		11/04/21 01:18	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		11/04/21 01:18	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		11/04/21 01:18	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/21 01:18	75-09-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

Sample: TRIP BLANK **Lab ID: 40236073028** Collected: 10/27/21 00:00 Received: 10/29/21 07:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Naphthalene	<1.1	ug/L	5.0	1.1	1		11/04/21 01:18	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/21 01:18	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/21 01:18	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/21 01:18	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/21 01:18	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		11/04/21 01:18	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/21 01:18	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/21 01:18	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/21 01:18	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		11/04/21 01:18	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		11/04/21 01:18	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		11/04/21 01:18	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		11/04/21 01:18	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		11/04/21 01:18	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		11/04/21 01:18	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		11/04/21 01:18	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/04/21 01:18	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		11/04/21 01:18	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/21 01:18	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/21 01:18	10061-02-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1		11/04/21 01:18	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-130		1		11/04/21 01:18	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		11/04/21 01:18	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

QC Batch:	400232	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV Oxygenates
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40236073001, 40236073002, 40236073003, 40236073004, 40236073005, 40236073006, 40236073007, 40236073008, 40236073009, 40236073010, 40236073011, 40236073012, 40236073013, 40236073014, 40236073015, 40236073017, 40236073018, 40236073019, 40236073020, 40236073021

METHOD BLANK: 2311602 Matrix: Water
Associated Lab Samples: 40236073001, 40236073002, 40236073003, 40236073004, 40236073005, 40236073006, 40236073007, 40236073008, 40236073009, 40236073010, 40236073011, 40236073012, 40236073013, 40236073014, 40236073015, 40236073017, 40236073018, 40236073019, 40236073020, 40236073021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	11/04/21 07:25	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	11/04/21 07:25	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	11/04/21 07:25	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	11/04/21 07:25	
1,1-Dichloroethane	ug/L	<0.30	1.0	11/04/21 07:25	
1,1-Dichloroethene	ug/L	<0.58	1.0	11/04/21 07:25	
1,1-Dichloropropene	ug/L	<0.41	1.0	11/04/21 07:25	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	11/04/21 07:25	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	11/04/21 07:25	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	11/04/21 07:25	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	11/04/21 07:25	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	11/04/21 07:25	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	11/04/21 07:25	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	11/04/21 07:25	
1,2-Dichloroethane	ug/L	<0.29	1.0	11/04/21 07:25	
1,2-Dichloropropane	ug/L	<0.45	1.0	11/04/21 07:25	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	11/04/21 07:25	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	11/04/21 07:25	
1,3-Dichloropropane	ug/L	<0.30	1.0	11/04/21 07:25	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	11/04/21 07:25	
2,2-Dichloropropane	ug/L	<4.2	5.0	11/04/21 07:25	
2-Chlorotoluene	ug/L	<0.89	5.0	11/04/21 07:25	
4-Chlorotoluene	ug/L	<0.89	5.0	11/04/21 07:25	
Benzene	ug/L	<0.30	1.0	11/04/21 07:25	
Bromobenzene	ug/L	<0.36	1.0	11/04/21 07:25	
Bromochloromethane	ug/L	<0.36	5.0	11/04/21 07:25	
Bromodichloromethane	ug/L	<0.42	1.0	11/04/21 07:25	
Bromoform	ug/L	<3.8	5.0	11/04/21 07:25	
Bromomethane	ug/L	<1.2	5.0	11/04/21 07:25	
Carbon tetrachloride	ug/L	<0.37	1.0	11/04/21 07:25	
Chlorobenzene	ug/L	<0.86	1.0	11/04/21 07:25	
Chloroethane	ug/L	<1.4	5.0	11/04/21 07:25	
Chloroform	ug/L	<1.2	5.0	11/04/21 07:25	
Chloromethane	ug/L	<1.6	5.0	11/04/21 07:25	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	11/04/21 07:25	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	11/04/21 07:25	
Cyclohexane	ug/L	<1.3	5.0	11/04/21 07:25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

METHOD BLANK: 2311602 Matrix: Water
Associated Lab Samples: 40236073001, 40236073002, 40236073003, 40236073004, 40236073005, 40236073006, 40236073007, 40236073008, 40236073009, 40236073010, 40236073011, 40236073012, 40236073013, 40236073014, 40236073015, 40236073017, 40236073018, 40236073019, 40236073020, 40236073021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	<2.6	5.0	11/04/21 07:25	
Dibromomethane	ug/L	<0.99	5.0	11/04/21 07:25	
Dichlorodifluoromethane	ug/L	<0.46	5.0	11/04/21 07:25	
Diisopropyl ether	ug/L	<1.1	5.0	11/04/21 07:25	
Ethylbenzene	ug/L	<0.33	1.0	11/04/21 07:25	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	11/04/21 07:25	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	11/04/21 07:25	
m&p-Xylene	ug/L	<0.70	2.0	11/04/21 07:25	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	11/04/21 07:25	
Methylcyclohexane	ug/L	<1.2	5.0	11/04/21 07:25	
Methylene Chloride	ug/L	<0.32	5.0	11/04/21 07:25	
n-Butylbenzene	ug/L	<0.86	1.0	11/04/21 07:25	
n-Heptane	ug/L	<1.6	5.0	11/04/21 07:25	
n-Hexane	ug/L	<1.5	5.0	11/04/21 07:25	
n-Propylbenzene	ug/L	<0.35	1.0	11/04/21 07:25	
Naphthalene	ug/L	<1.1	5.0	11/04/21 07:25	
o-Xylene	ug/L	<0.35	1.0	11/04/21 07:25	
p-Isopropyltoluene	ug/L	<1.0	5.0	11/04/21 07:25	
sec-Butylbenzene	ug/L	<0.42	1.0	11/04/21 07:25	
Styrene	ug/L	<0.36	1.0	11/04/21 07:25	
tert-Butylbenzene	ug/L	<0.59	1.0	11/04/21 07:25	
Tetrachloroethene	ug/L	<0.41	1.0	11/04/21 07:25	
Toluene	ug/L	<0.29	1.0	11/04/21 07:25	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	11/04/21 07:25	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	11/04/21 07:25	
Trichloroethene	ug/L	<0.32	1.0	11/04/21 07:25	
Trichlorofluoromethane	ug/L	<0.42	1.0	11/04/21 07:25	
Vinyl chloride	ug/L	<0.17	1.0	11/04/21 07:25	
1,2-Dichlorobenzene-d4 (S)	%	104	70-130	11/04/21 07:25	
4-Bromofluorobenzene (S)	%	96	70-130	11/04/21 07:25	
Toluene-d8 (S)	%	94	70-130	11/04/21 07:25	

LABORATORY CONTROL SAMPLE: 2311603

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.8	112	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	46.8	94	66-130	
1,1,2-Trichloroethane	ug/L	50	52.5	105	70-130	
1,1-Dichloroethane	ug/L	50	53.2	106	68-132	
1,1-Dichloroethene	ug/L	50	52.6	105	85-126	
1,2,4-Trichlorobenzene	ug/L	50	49.0	98	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	39.4	79	51-126	

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QUALITY CONTROL DATA

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

LABORATORY CONTROL SAMPLE: 2311603

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	50	50.2	100	70-130	
1,2-Dichlorobenzene	ug/L	50	52.4	105	70-130	
1,2-Dichloroethane	ug/L	50	48.6	97	70-130	
1,2-Dichloropropane	ug/L	50	53.1	106	78-125	
1,3-Dichlorobenzene	ug/L	50	50.9	102	70-130	
1,4-Dichlorobenzene	ug/L	50	51.8	104	70-130	
Benzene	ug/L	50	54.8	110	70-132	
Bromodichloromethane	ug/L	50	50.9	102	70-130	
Bromoform	ug/L	50	53.5	107	65-130	
Bromomethane	ug/L	50	30.0	60	44-128	
Carbon tetrachloride	ug/L	50	57.6	115	70-130	
Chlorobenzene	ug/L	50	54.2	108	70-130	
Chloroethane	ug/L	50	47.5	95	73-137	
Chloroform	ug/L	50	55.1	110	80-122	
Chloromethane	ug/L	50	30.3	61	27-148	
cis-1,2-Dichloroethene	ug/L	50	53.0	106	70-130	
cis-1,3-Dichloropropene	ug/L	50	50.8	102	70-130	
Cyclohexane	ug/L	50	56.2	112	50-150	
Dibromochloromethane	ug/L	50	51.1	102	70-130	
Dichlorodifluoromethane	ug/L	50	18.2	36	22-151	
Ethylbenzene	ug/L	50	56.4	113	80-123	
Isopropylbenzene (Cumene)	ug/L	50	58.7	117	70-130	
m&p-Xylene	ug/L	100	114	114	70-130	
Methyl-tert-butyl ether	ug/L	50	48.8	98	66-130	
Methylcyclohexane	ug/L	50	54.9	110	50-150	
Methylene Chloride	ug/L	50	52.1	104	70-130	
o-Xylene	ug/L	50	55.7	111	70-130	
Styrene	ug/L	50	58.6	117	70-130	
Tetrachloroethene	ug/L	50	56.0	112	70-130	
Toluene	ug/L	50	53.6	107	80-121	
trans-1,2-Dichloroethene	ug/L	50	54.9	110	70-130	
trans-1,3-Dichloropropene	ug/L	50	48.8	98	58-125	
Trichloroethene	ug/L	50	55.2	110	70-130	
Trichlorofluoromethane	ug/L	50	49.4	99	84-148	
Vinyl chloride	ug/L	50	39.7	79	63-142	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2311604 2311605

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40236073014	Result	Spike Conc.	Spike Conc.								
1,1,1-Trichloroethane	ug/L	<0.30	50	50	57.0	55.5	114	111	70-130	3	20		
1,1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	46.6	46.6	93	93	66-130	0	20		

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QUALITY CONTROL DATA

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2311604 2311605												
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40236073014 Result	Spike Conc.	Spike Conc.	MS Result							
1,1,2-Trichloroethane	ug/L	<0.34	50	50	51.7	51.4	103	103	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	54.9	53.7	110	107	68-132	2	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	57.0	54.0	114	108	76-132	6	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	48.4	48.6	97	97	70-130	0	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	38.9	39.4	78	79	51-126	1	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	50.0	49.8	100	100	70-130	0	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	51.8	50.9	104	102	70-130	2	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	51.4	49.9	103	100	70-130	3	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	53.6	53.4	107	107	77-125	0	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	50.8	49.9	102	100	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	52.0	51.5	104	103	70-130	1	20	
Benzene	ug/L	<0.30	50	50	56.3	54.3	113	109	70-132	4	20	
Bromodichloromethane	ug/L	<0.42	50	50	51.7	50.6	103	101	70-130	2	20	
Bromoform	ug/L	<3.8	50	50	54.1	53.8	108	108	65-130	1	20	
Bromomethane	ug/L	<1.2	50	50	41.3	43.9	83	88	44-128	6	21	
Carbon tetrachloride	ug/L	<0.37	50	50	60.4	58.5	121	117	70-132	3	20	
Chlorobenzene	ug/L	<0.86	50	50	54.5	53.5	109	107	70-130	2	20	
Chloroethane	ug/L	<1.4	50	50	55.0	52.9	110	106	70-137	4	20	
Chloroform	ug/L	<1.2	50	50	56.6	54.7	113	109	80-122	3	20	
Chloromethane	ug/L	<1.6	50	50	42.7	41.5	85	83	17-149	3	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	54.0	52.0	108	104	70-130	4	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	51.5	50.4	103	101	70-130	2	20	
Cyclohexane	ug/L	<1.3	50	50	59.7	57.5	119	115	50-150	4	20	
Dibromochloromethane	ug/L	<2.6	50	50	50.7	51.2	101	102	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	35.1	33.6	70	67	22-158	4	20	
Ethylbenzene	ug/L	<0.33	50	50	56.3	55.8	113	112	80-123	1	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	59.3	58.4	119	117	70-130	2	20	
m&p-Xylene	ug/L	<0.70	100	100	114	112	114	112	70-130	2	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	49.5	48.3	99	97	66-130	2	20	
Methylcyclohexane	ug/L	<1.2	50	50	57.0	53.9	114	108	50-150	6	20	
Methylene Chloride	ug/L	<0.32	50	50	54.1	52.9	108	106	70-130	2	20	
o-Xylene	ug/L	<0.35	50	50	55.0	54.5	110	109	70-130	1	20	
Styrene	ug/L	<0.36	50	50	58.7	57.6	117	115	70-130	2	20	
Tetrachloroethene	ug/L	<0.41	50	50	56.6	56.0	113	112	70-130	1	20	
Toluene	ug/L	<0.29	50	50	54.8	53.9	110	108	80-121	2	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	58.3	55.4	117	111	70-134	5	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	49.5	49.4	99	99	58-130	0	20	
Trichloroethene	ug/L	<0.32	50	50	56.0	54.4	112	109	70-130	3	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	56.9	50.6	114	101	82-151	12	20	
Vinyl chloride	ug/L	<0.17	50	50	51.2	49.8	102	100	61-143	3	20	
1,2-Dichlorobenzene-d4 (S)	%						100	97	70-130			
4-Bromofluorobenzene (S)	%						98	98	70-130			
Toluene-d8 (S)	%						97	99	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

METHOD BLANK: 2312198

Matrix: Water

Associated Lab Samples: 40236073016, 40236073022, 40236073023, 40236073024, 40236073025, 40236073026, 40236073027, 40236073028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	<0.46	5.0	11/03/21 20:08	
Diisopropyl ether	ug/L	<1.1	5.0	11/03/21 20:08	
Ethylbenzene	ug/L	<0.33	1.0	11/03/21 20:08	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	11/03/21 20:08	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	11/03/21 20:08	
m&p-Xylene	ug/L	<0.70	2.0	11/03/21 20:08	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	11/03/21 20:08	
Methylcyclohexane	ug/L	<1.2	5.0	11/03/21 20:08	
Methylene Chloride	ug/L	<0.32	5.0	11/03/21 20:08	
n-Butylbenzene	ug/L	<0.86	1.0	11/03/21 20:08	
n-Heptane	ug/L	<1.6	5.0	11/03/21 20:08	
n-Hexane	ug/L	<1.5	5.0	11/03/21 20:08	
n-Propylbenzene	ug/L	<0.35	1.0	11/03/21 20:08	
Naphthalene	ug/L	<1.1	5.0	11/03/21 20:08	
o-Xylene	ug/L	<0.35	1.0	11/03/21 20:08	
p-Isopropyltoluene	ug/L	<1.0	5.0	11/03/21 20:08	
sec-Butylbenzene	ug/L	<0.42	1.0	11/03/21 20:08	
Styrene	ug/L	<0.36	1.0	11/03/21 20:08	
tert-Butylbenzene	ug/L	<0.59	1.0	11/03/21 20:08	
Tetrachloroethene	ug/L	<0.41	1.0	11/03/21 20:08	
Toluene	ug/L	<0.29	1.0	11/03/21 20:08	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	11/03/21 20:08	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	11/03/21 20:08	
Trichloroethene	ug/L	<0.32	1.0	11/03/21 20:08	
Trichlorofluoromethane	ug/L	<0.42	1.0	11/03/21 20:08	
Vinyl chloride	ug/L	<0.17	1.0	11/03/21 20:08	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130	11/03/21 20:08	
4-Bromofluorobenzene (S)	%	87	70-130	11/03/21 20:08	
Toluene-d8 (S)	%	104	70-130	11/03/21 20:08	

LABORATORY CONTROL SAMPLE: 2312199

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.0	108	70-130	
1,1,1,2-Tetrachloroethane	ug/L	50	52.7	105	66-130	
1,1,2-Trichloroethane	ug/L	50	58.3	117	70-130	
1,1-Dichloroethane	ug/L	50	54.4	109	68-132	
1,1-Dichloroethene	ug/L	50	52.9	106	85-126	
1,2,4-Trichlorobenzene	ug/L	50	50.7	101	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	42.8	86	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	55.9	112	70-130	
1,2-Dichlorobenzene	ug/L	50	57.2	114	70-130	
1,2-Dichloroethane	ug/L	50	49.1	98	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

LABORATORY CONTROL SAMPLE: 2312199

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/L	50	54.2	108	78-125	
1,3-Dichlorobenzene	ug/L	50	54.9	110	70-130	
1,4-Dichlorobenzene	ug/L	50	56.0	112	70-130	
Benzene	ug/L	50	56.9	114	70-132	
Bromodichloromethane	ug/L	50	55.6	111	70-130	
Bromoform	ug/L	50	49.7	99	65-130	
Bromomethane	ug/L	50	37.5	75	44-128	
Carbon tetrachloride	ug/L	50	56.6	113	70-130	
Chlorobenzene	ug/L	50	60.1	120	70-130	
Chloroethane	ug/L	50	52.1	104	73-137	
Chloroform	ug/L	50	58.0	116	80-122	
Chloromethane	ug/L	50	29.3	59	27-148	
cis-1,2-Dichloroethene	ug/L	50	55.1	110	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.3	99	70-130	
Cyclohexane	ug/L	50	51.5	103	50-150	
Dibromochloromethane	ug/L	50	55.8	112	70-130	
Dichlorodifluoromethane	ug/L	50	19.6	39	22-151	
Ethylbenzene	ug/L	50	59.5	119	80-123	
Isopropylbenzene (Cumene)	ug/L	50	63.2	126	70-130	
m&p-Xylene	ug/L	100	121	121	70-130	
Methyl-tert-butyl ether	ug/L	50	48.1	96	66-130	
Methylcyclohexane	ug/L	50	51.5	103	50-150	
Methylene Chloride	ug/L	50	54.5	109	70-130	
o-Xylene	ug/L	50	60.7	121	70-130	
Styrene	ug/L	50	61.9	124	70-130	
Tetrachloroethene	ug/L	50	61.0	122	70-130	
Toluene	ug/L	50	58.3	117	80-121	
trans-1,2-Dichloroethene	ug/L	50	55.6	111	70-130	
trans-1,3-Dichloropropene	ug/L	50	49.5	99	58-125	
Trichloroethene	ug/L	50	55.2	110	70-130	
Trichlorofluoromethane	ug/L	50	45.0	90	84-148	
Vinyl chloride	ug/L	50	40.3	81	63-142	
1,2-Dichlorobenzene-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			90	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2312200 2312201

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40236073016 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	<0.30	50	50	54.1	54.5	108	109	70-130	1	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	52.2	54.0	104	108	66-130	3	20		
1,1,2-Trichloroethane	ug/L	<0.34	50	50	56.4	58.1	113	116	70-130	3	20		
1,1-Dichloroethane	ug/L	<0.30	50	50	52.7	52.5	105	105	68-132	0	20		
1,1-Dichloroethene	ug/L	<0.58	50	50	50.0	51.5	100	103	76-132	3	20		

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QUALITY CONTROL DATA

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2312200												2312201											
Parameter	Units	40236073016		MS	MSD	MS		MSD		% Rec Limits	RPD	Max RPD	Qual										
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec														
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	52.9	54.2	106	108	70-130	2	20												
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	44.2	46.6	88	93	51-126	5	20												
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	56.0	56.2	112	112	70-130	0	20												
1,2-Dichlorobenzene	ug/L	<0.33	50	50	57.6	57.9	115	116	70-130	1	20												
1,2-Dichloroethane	ug/L	<0.29	50	50	53.3	45.1	107	90	70-130	17	20												
1,2-Dichloropropane	ug/L	0.54J	50	50	53.2	52.0	105	103	77-125	2	20												
1,3-Dichlorobenzene	ug/L	<0.35	50	50	56.0	54.9	112	110	70-130	2	20												
1,4-Dichlorobenzene	ug/L	<0.89	50	50	55.8	56.6	112	113	70-130	1	20												
Benzene	ug/L	15.3	50	50	70.9	71.6	111	113	70-132	1	20												
Bromodichloromethane	ug/L	<0.42	50	50	54.2	53.6	108	107	70-130	1	20												
Bromoform	ug/L	<3.8	50	50	49.7	49.9	99	100	65-130	0	20												
Bromomethane	ug/L	<1.2	50	50	43.1	46.2	86	92	44-128	7	21												
Carbon tetrachloride	ug/L	<0.37	50	50	54.9	56.2	110	112	70-132	2	20												
Chlorobenzene	ug/L	<0.86	50	50	59.3	60.2	119	120	70-130	2	20												
Chloroethane	ug/L	<1.4	50	50	48.7	49.7	97	99	70-137	2	20												
Chloroform	ug/L	<1.2	50	50	55.5	56.0	111	112	80-122	1	20												
Chloromethane	ug/L	<1.6	50	50	26.4	27.0	53	54	17-149	2	20												
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	53.4	52.9	107	106	70-130	1	20												
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	49.5	49.3	99	99	70-130	0	20												
Cyclohexane	ug/L	22.5	50	50	73.5	75.8	102	107	50-150	3	20												
Dibromochloromethane	ug/L	<2.6	50	50	55.3	56.6	111	113	70-130	2	20												
Dichlorodifluoromethane	ug/L	<0.46	50	50	16.4	16.8	33	34	22-158	3	20												
Ethylbenzene	ug/L	<0.33	50	50	58.9	60.4	118	121	80-123	3	20												
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	63.3	63.3	127	127	70-130	0	20												
m&p-Xylene	ug/L	<0.70	100	100	119	124	119	124	70-130	4	20												
Methyl-tert-butyl ether	ug/L	11.4	50	50	58.4	59.1	94	95	66-130	1	20												
Methylcyclohexane	ug/L	12.0	50	50	64.2	67.0	104	110	50-150	4	20												
Methylene Chloride	ug/L	<0.32	50	50	51.8	52.3	104	105	70-130	1	20												
o-Xylene	ug/L	<0.35	50	50	60.6	61.1	121	122	70-130	1	20												
Styrene	ug/L	<0.36	50	50	61.5	62.4	123	125	70-130	1	20												
Tetrachloroethene	ug/L	<0.41	50	50	60.0	62.1	120	124	70-130	3	20												
Toluene	ug/L	<0.29	50	50	58.2	58.9	116	118	80-121	1	20												
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	53.2	52.8	106	106	70-134	1	20												
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	50.0	50.3	100	101	58-130	1	20												
Trichloroethene	ug/L	<0.32	50	50	53.7	54.5	107	109	70-130	1	20												
Trichlorofluoromethane	ug/L	<0.42	50	50	42.6	43.0	85	86	82-151	1	20												
Vinyl chloride	ug/L	<0.17	50	50	37.7	37.9	75	76	61-143	0	20												
1,2-Dichlorobenzene-d4 (S)	%						100	97	70-130														
4-Bromofluorobenzene (S)	%						90	90	70-130														
Toluene-d8 (S)	%						103	103	70-130														

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 31401967.705-7.63 LN13 MP12 VA

Pace Project No.: 40236073

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 Analyte recovery in the continuing calibration verification (CCV) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 31401967.705-7.63 LN13 MP12 VA
Pace Project No.: 40236073

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40236073001	MW-1-32	EPA 8260	400232		
40236073002	MW-1-63	EPA 8260	400232		
40236073003	MW-2-25	EPA 8260	400232		
40236073004	MW-2-55	EPA 8260	400232		
40236073005	MW-3-25	EPA 8260	400232		
40236073006	MW-4-29	EPA 8260	400232		
40236073007	MW-5-30	EPA 8260	400232		
40236073008	MW-5-60	EPA 8260	400232		
40236073009	MW-6-32	EPA 8260	400232		
40236073010	MW-6-60	EPA 8260	400232		
40236073011	MW-7-60	EPA 8260	400232		
40236073012	MW-7-32	EPA 8260	400232		
40236073013	MW-8-27	EPA 8260	400232		
40236073014	MW-9-33	EPA 8260	400232		
40236073015	MW-9-60	EPA 8260	400232		
40236073016	MW-10-32	EPA 8260	400390		
40236073017	MW-11-32	EPA 8260	400232		
40236073018	MW-12-31	EPA 8260	400232		
40236073019	MW-13-33	EPA 8260	400232		
40236073020	MW-14-31	EPA 8260	400232		
40236073021	MW-15-32	EPA 8260	400232		
40236073022	MW-16-29	EPA 8260	400390		
40236073023	EB102721A	EPA 8260	400390		
40236073024	EB102721B	EPA 8260	400390		
40236073025	102621-DUP	EPA 8260	400390		
40236073026	102721A-DUP	EPA 8260	400390		
40236073027	102721B-DUPLICATE	EPA 8260	400390		
40236073028	TRIP BLANK	EPA 8260	400390		

REPORT OF LABORATORY ANALYSIS

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Sample Preservation Receipt Form

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

Client Name: WSP

Project # 40236073

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

Initial when completed:

Date/Time:

Lab Lot# of pH paper:

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

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


Project #:

40236073

Client Name:

WSP

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

Sample Condition Upon Receipt Form (SCUR)

Project #: _____

 Client Name: WSP
WO#: 40236073

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

 Cooler Temperature Uncorr: 2 /Corr: 2

 Temp Blank Present: yes no

 Biological Tissue is Frozen: yes no

Person examining contents: Date: <u>WSP</u> / Initials: <u>WSP</u> Labeled By Initials: <u>WSP</u>
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Temp should be above freezing to 6°C.

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

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input 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>4711</u>		

 If checked, see attached form for additional comments
Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

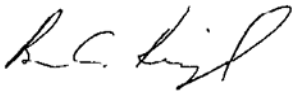
 Comments/ Resolution: _____

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

ENCLOSURE B – HYDROGEOLOGIST CERTIFICATION

Monitoring Well Sampling Results – Q4 2021
Enbridge Line 13 MP 312 Valve Site
Blackhawk Island Road
Fort Atkinson, Wisconsin
BRRTS Number: 02-28-586199

I, Brian C. Kimpel, 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.



11/24/2021

Brian C. Kimpel,
Supervisory Hydrogeologist, Wisconsin P.G. #1140

Date