



September 22, 2021

Karl Beaster, PG
Sr. Environmental Advisor
Enbridge Energy, Limited Partnership
11 East Superior Street, Suite 125
Duluth, MN 55802
karl.beaster@enbridge.com

**Subject: Monitoring Well Sampling Results
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 August 31 and September 8, 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 16 of the 22 monitoring wells at the site between August 31 and September 8, 2021. Of the 16 wells that were sampled, 14 were the most recent wells installed in July and August 2021, as part of the SSIWP. Monitoring wells MW-05-30 and MW-06-32 were also sampled to provide more frequent monitoring of the downgradient extent of benzene-impacted groundwater. A complete round of sampling from all 22 wells for Q4 will occur in October 2021. All 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 two duplicate samples, two equipment blank samples, and three trip blank samples, which were submitted with the monitoring well samples.

Table 1 includes the laboratory analytical results for select compounds. Enclosure A includes the laboratory reports from the August and September sampling event. Only one compound attributable to the diluent release was 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-05-30 (1.3 micrograms per liter [$\mu\text{g}/\text{l}$]), MW-06-32 (7.5 $\mu\text{g}/\text{l}$), MW-10-32 (8.9 $\mu\text{g}/\text{l}$), MW-11-32 (2.2 $\mu\text{g}/\text{l}$), and MW-14-31 (273 $\mu\text{g}/\text{l}$).

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Trichloroethene was detected in the samples collected from monitoring wells MW-06-32 at a concentration above the PAL (estimated concentration of 0.53 µg/l) and MW-06-60 at a concentration above the ES (11.3 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-05-60 (methylene chloride at an estimated concentration of 1.6 µg/l), MW-06-60 (toluene at an estimated concentration of 0.33 µg/l), and MW-14-31 (ethylbenzene, total xylenes, and n-hexane at estimated concentrations of 0.77, 2.09, and 2.1 µg/l, respectively; toluene at 3.4 µg/l; cyclohexane at 189 µg/l; and methylcyclohexane at 30.2 µg/l). No VOCs were detected above the laboratory method detection limit (MDL) in samples collected at monitoring wells MW-02-55, MW-05-60, MW-07-60, MW-09-33, MW-09-60, MW-12-31, MW-13-33, MW-15-32, and MW-16-29. No VOCs were detected above the laboratory MDLs in the trip blanks or equipment blanks. The results for the duplicate samples collected at monitoring wells MW-01-63 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,

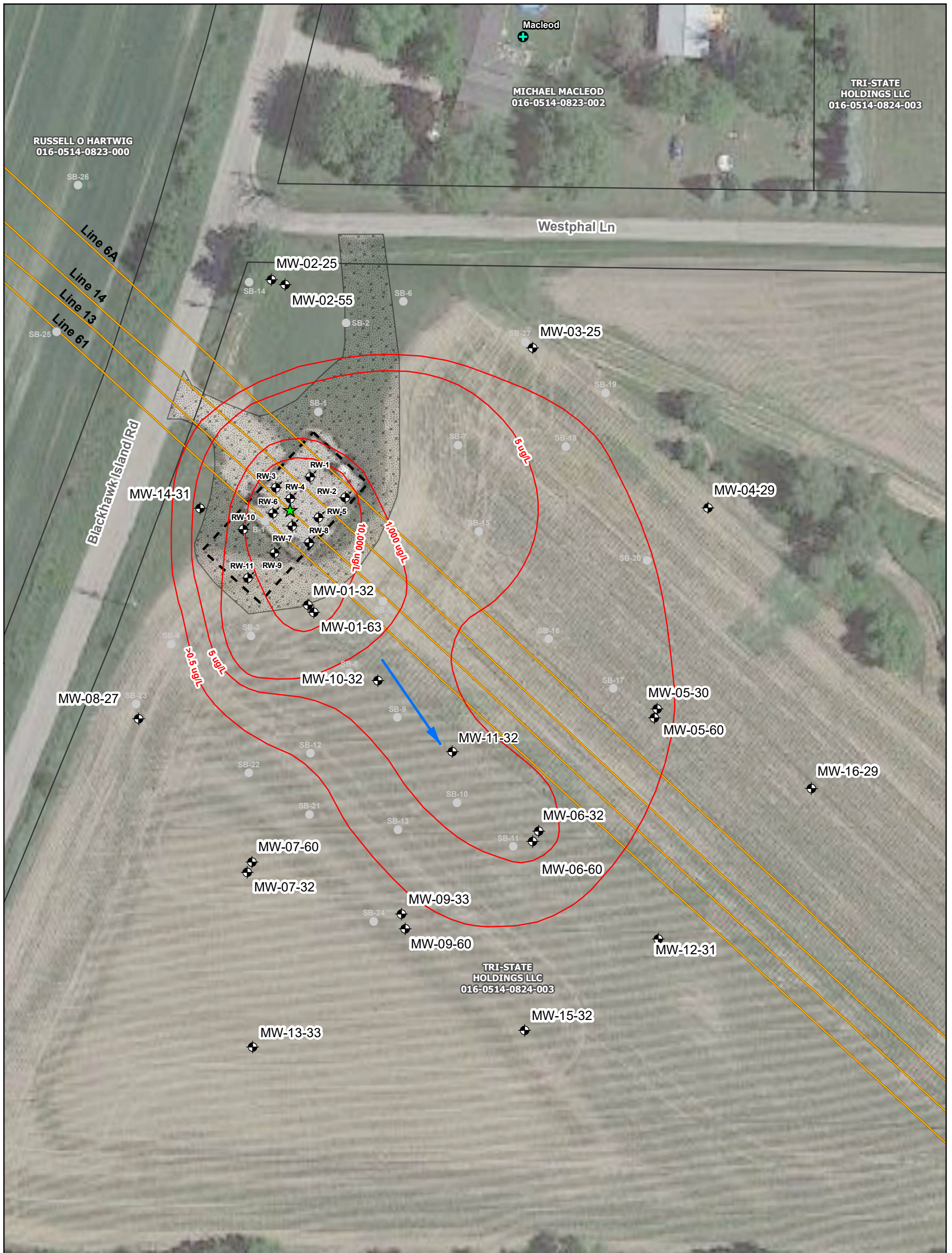
A handwritten signature in black ink that reads "Tim Huff". The signature is written in a cursive style.

Timothy A. Huff
Senior Lead Geologist

TAH :
\\10.0.199.15\job\enbridge\ft atkinson\line 13 mp 312_work plans and reports\2021-09 mw sampling results to wdnr\2021.09.22_line13 mp312_monitoring well sampling results.docx

Encl.

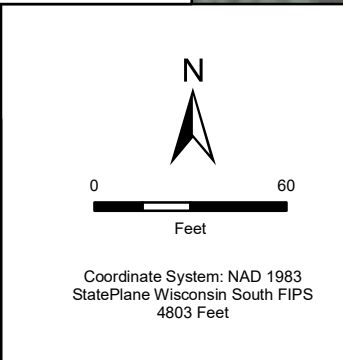
FIGURE



Note:
 1. Benzen isoconcentration contours developed from July-Sept 2020 temporary well sampling results and July-Sept 2021 monitoring well sampling results.
 2. Benzene isoconcentration contours based on shallow monitoring well sampling results for well pairs.

ENBRIDGE

Drawn: WSP 9/22/2021
 Approved: WSP 9/22/2021
 Project #: 31401967.705



Legend

- ★ Approximate Release Location
- ⊕ Remediation Well
- ⊕ Monitoring Well
- ⊕ Potable Well
- Sept 2020 Soil Boring / Temporary Well
- Groundwater Flow Direction
- Enbridge Pipeline
- Benzene Isoconcentration Contours (ug/l)
- ▨ 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

TABLE

Table 1
Monitoring Well Sampling Analytical Results for Select Compounds
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 S.U.	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-01-63	09/08/21	0.50J	<0.33	<0.29	<1.05	<0.32	15.6	7.27	0.666	10.8	0.00	16.24	-192	Clear	None	
	9/8/2021 - Duplicate	<0.30	<0.33	<0.29	<1.05	<0.32	--	--	--	--	--	--	--	--	--	
MW-02-55	09/08/21	<0.30	<0.33	<0.29	<1.05	<0.32	15.5	7.11	0.934	230	1.35	14.80	-69	Cloudy	None	
MW-05-30	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	
MW-05-60	09/01/21	<0.30	<0.33	<0.29	<1.05	<0.32	28.8	7.52	0.611	14.1	0.00	15.45	-530	Clear	None	
MW-06-32	08/31/21	7.5	<0.33	<0.29	<1.05	0.53J	14.2	6.66	0.824	3.3	0.00	22.41	149	Clear	None	
MW-06-60	08/31/21	<0.30	<0.33	0.33J	<1.05	11.3	19.0	7.32	0.626	9.5	0.14	15.47	-522	Clear	None	
MW-07-60	09/08/21	<0.30	<0.33	<0.29	<1.05	<0.32	11.0	7.48	0.428	0.0	0.00	14.49	-329	Clear	None	
MW-09-33	09/02/21	<0.30	<0.33	<0.29	<1.05	<0.32	12.0	7.35	1.01	0.0	2.88	15.44	50	Clear	None	
MW-09-60	09/02/21	<0.30	<0.33	<0.29	<1.05	<0.32	19.2	7.53	0.729	0.0	0.60	15.02	-232	Clear	None	
MW-10-32	09/08/21	8.9	<0.33	<0.29	<1.05	<0.32	12.0	6.93	0.737	0.0	0.00	15.97	-73	Clear	None	
MW-11-32	09/08/21	2.2	<0.33	<0.29	<1.05	<0.32	13.5	7.09	0.735	0.0	0.00	15.87	-141	Clear	None	
MW-12-31	09/01/21	<0.30	<0.33	<0.29	<1.05	<0.32	12.0	7.17	0.890	2.5	0.80	16.52	107	Clear	None	
MW-13-33	09/08/21	<0.30	<0.33	<0.29	<1.05	<0.32	20.4	6.17	0.892	0.0	1.11	12.89	-206	Clear	None	
MW-14-31	09/07/21	273	0.77J	3.4	2.09J	<0.32	14.0	7.02	0.688	0.0	0.00	17.88	-193	Clear	None	
	9/7/2021 - Duplicate	290	0.80J	3.8	2.25J	<0.32	--	--	--	--	--	--	--	--	--	
MW-15-32	09/02/21	<0.30	<0.33	<0.29	<1.05	<0.32	18.0	7.36	0.890	0.0	1.19	15.78	28	Clear	None	
MW-16-29	09/01/21	<0.30	<0.33	<0.29	<1.05	<0.32	12.0	7.20	0.776	0.0	0.80	13.24	40	Clear	None	

**Table 1
Monitoring Well Sampling Analytical Results for Select Compounds
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 S.U.	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Oxidation Reduction Potential (mV)	Appearance of Purge Water	Odor
	Enforcement Standard (a)	5	700	800	2,000	5	--	--	--	--	--	--	--	--	--
	Preventative Action Limit (a)	0.5	140	160	400	0.5	--	--	--	--	--	--	--	--	--
Trip Blank	08/31/21	<0.30	<0.33	<0.29	<1.05	<0.32	--	--	--	--	--	--	--	--	--
	09/02/21	<0.30	<0.33	<0.29	<1.05	<0.32	--	--	--	--	--	--	--	--	--
	09/08/21	<0.30	<0.33	<0.29	<1.05	<0.32	--	--	--	--	--	--	--	--	--
Equipment Blank	09/08/21	<0.30	<0.33	<0.29	<1.05	<0.32	--	--	--	--	--	--	--	--	--
	09/08/21	<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 and the reported method detection limit.

ug/L = Micrograms per liter; S.U. = Standard Units; mS/cm = microSiemens per centimeter; NTU = nephelometric turbidity units; C = Celsius; mV = millivolts.

ENCLOSURE A – LABORATORY ANALYTICAL RESULTS

September 09, 2021

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

RE: Project: LN13 MP312 VALVE SITE
Pace Project No.: 40232653

Dear Timothy Huff:

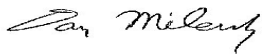
Enclosed are the analytical results for sample(s) received by the laboratory on September 02, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise 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
Brian Kimpel, WSP USA



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: LN13 MP312 VALVE SITE

Pace Project No.: 40232653

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: LN13 MP312 VALVE SITE

Pace Project No.: 40232653

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40232653001	MW-6-32	Water	08/31/21 15:05	09/02/21 08:40
40232653002	MW-6-60	Water	08/31/21 18:05	09/02/21 08:40
40232653003	MW-5-30	Water	09/01/21 09:25	09/02/21 08:40
40232653004	MW-5-60	Water	09/01/21 12:20	09/02/21 08:40
40232653005	TRIP BLANK	Water	08/31/21 00:00	09/02/21 08:40

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SAMPLE ANALYTE COUNT

Project: LN13 MP312 VALVE SITE
Pace Project No.: 40232653

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40232653001	MW-6-32	EPA 8260	JAV	68
40232653002	MW-6-60	EPA 8260	JAV	68
40232653003	MW-5-30	EPA 8260	JAV	68
40232653004	MW-5-60	EPA 8260	JAV	68
40232653005	TRIP BLANK	EPA 8260	JAV	68

PASI-G = Pace Analytical Services - Green Bay

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ANALYTICAL RESULTS

Project: LN13 MP312 VALVE SITE

Pace Project No.: 40232653

Sample: MW-6-32 **Lab ID: 40232653001** Collected: 08/31/21 15:05 Received: 09/02/21 08:40 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		09/07/21 15:30	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/21 15:30	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		09/07/21 15:30	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		09/07/21 15:30	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/21 15:30	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/07/21 15:30	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/07/21 15:30	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/07/21 15:30	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		09/07/21 15:30	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/07/21 15:30	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/07/21 15:30	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		09/07/21 15:30	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/07/21 15:30	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/07/21 15:30	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/07/21 15:30	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/07/21 15:30	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/07/21 15:30	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/07/21 15:30	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/07/21 15:30	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/07/21 15:30	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		09/07/21 15:30	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/07/21 15:30	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/07/21 15:30	106-43-4	
Benzene	7.5	ug/L	1.0	0.30	1		09/07/21 15:30	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/07/21 15:30	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/07/21 15:30	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		09/07/21 15:30	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		09/07/21 15:30	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/07/21 15:30	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/07/21 15:30	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/07/21 15:30	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/07/21 15:30	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		09/07/21 15:30	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/07/21 15:30	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		09/07/21 15:30	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/07/21 15:30	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/07/21 15:30	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/07/21 15:30	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/07/21 15:30	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/07/21 15:30	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/07/21 15:30	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/07/21 15:30	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/07/21 15:30	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		09/07/21 15:30	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/07/21 15:30	75-09-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LN13 MP312 VALVE SITE
Pace Project No.: 40232653

Sample: MW-6-32 **Lab ID: 40232653001** Collected: 08/31/21 15:05 Received: 09/02/21 08:40 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		09/07/21 15:30	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/07/21 15:30	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/07/21 15:30	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/07/21 15:30	108-88-3	
Trichloroethene	0.53J	ug/L	1.0	0.32	1		09/07/21 15:30	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/07/21 15:30	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/07/21 15:30	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/07/21 15:30	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		09/07/21 15:30	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/07/21 15:30	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/07/21 15:30	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		09/07/21 15:30	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		09/07/21 15:30	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/07/21 15:30	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/07/21 15:30	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/07/21 15:30	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/07/21 15:30	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/07/21 15:30	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/07/21 15:30	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		09/07/21 15:30	10061-02-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1		09/07/21 15:30	2037-26-5	
4-Bromofluorobenzene (S)	122	%	70-130		1		09/07/21 15:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		09/07/21 15:30	2199-69-1	

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ANALYTICAL RESULTS

Project: LN13 MP312 VALVE SITE

Pace Project No.: 40232653

Sample: MW-6-60 **Lab ID: 40232653002** Collected: 08/31/21 18:05 Received: 09/02/21 08:40 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		09/07/21 15:51	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/21 15:51	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		09/07/21 15:51	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		09/07/21 15:51	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/21 15:51	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/07/21 15:51	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/07/21 15:51	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/07/21 15:51	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		09/07/21 15:51	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/07/21 15:51	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/07/21 15:51	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		09/07/21 15:51	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/07/21 15:51	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/07/21 15:51	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/07/21 15:51	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/07/21 15:51	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/07/21 15:51	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/07/21 15:51	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/07/21 15:51	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/07/21 15:51	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		09/07/21 15:51	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/07/21 15:51	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/07/21 15:51	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		09/07/21 15:51	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/07/21 15:51	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/07/21 15:51	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		09/07/21 15:51	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		09/07/21 15:51	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/07/21 15:51	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/07/21 15:51	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/07/21 15:51	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/07/21 15:51	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		09/07/21 15:51	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/07/21 15:51	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		09/07/21 15:51	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/07/21 15:51	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/07/21 15:51	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/07/21 15:51	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/07/21 15:51	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/07/21 15:51	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/07/21 15:51	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/07/21 15:51	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/07/21 15:51	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		09/07/21 15:51	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/07/21 15:51	75-09-2	

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ANALYTICAL RESULTS

Project: LN13 MP312 VALVE SITE
Pace Project No.: 40232653

Sample: MW-6-60 **Lab ID: 40232653002** Collected: 08/31/21 18:05 Received: 09/02/21 08:40 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		09/07/21 15:51	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/07/21 15:51	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/07/21 15:51	127-18-4	
Toluene	0.33J	ug/L	1.0	0.29	1		09/07/21 15:51	108-88-3	
Trichloroethene	11.3	ug/L	1.0	0.32	1		09/07/21 15:51	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/07/21 15:51	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/07/21 15:51	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/07/21 15:51	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		09/07/21 15:51	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/07/21 15:51	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/07/21 15:51	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		09/07/21 15:51	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		09/07/21 15:51	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/07/21 15:51	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/07/21 15:51	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/07/21 15:51	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/07/21 15:51	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/07/21 15:51	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/07/21 15:51	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		09/07/21 15:51	10061-02-6	
Surrogates									
Toluene-d8 (S)	104	%	70-130		1		09/07/21 15:51	2037-26-5	
4-Bromofluorobenzene (S)	123	%	70-130		1		09/07/21 15:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		09/07/21 15:51	2199-69-1	

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ANALYTICAL RESULTS

Project: LN13 MP312 VALVE SITE

Pace Project No.: 40232653

Sample: MW-5-30 **Lab ID: 40232653003** Collected: 09/01/21 09:25 Received: 09/02/21 08:40 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		09/07/21 16:12	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/21 16:12	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		09/07/21 16:12	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		09/07/21 16:12	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/21 16:12	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/07/21 16:12	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/07/21 16:12	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/07/21 16:12	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		09/07/21 16:12	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/07/21 16:12	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/07/21 16:12	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		09/07/21 16:12	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/07/21 16:12	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/07/21 16:12	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/07/21 16:12	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/07/21 16:12	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/07/21 16:12	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/07/21 16:12	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/07/21 16:12	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/07/21 16:12	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		09/07/21 16:12	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/07/21 16:12	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/07/21 16:12	106-43-4	
Benzene	1.3	ug/L	1.0	0.30	1		09/07/21 16:12	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/07/21 16:12	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/07/21 16:12	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		09/07/21 16:12	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		09/07/21 16:12	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/07/21 16:12	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/07/21 16:12	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/07/21 16:12	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/07/21 16:12	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		09/07/21 16:12	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/07/21 16:12	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		09/07/21 16:12	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/07/21 16:12	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/07/21 16:12	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/07/21 16:12	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/07/21 16:12	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/07/21 16:12	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/07/21 16:12	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/07/21 16:12	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/07/21 16:12	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		09/07/21 16:12	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/07/21 16:12	75-09-2	

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ANALYTICAL RESULTS

Project: LN13 MP312 VALVE SITE
Pace Project No.: 40232653

Sample: MW-5-30 **Lab ID: 40232653003** Collected: 09/01/21 09:25 Received: 09/02/21 08:40 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		09/07/21 16:12	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/07/21 16:12	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/07/21 16:12	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/07/21 16:12	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/07/21 16:12	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/07/21 16:12	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/07/21 16:12	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/07/21 16:12	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		09/07/21 16:12	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/07/21 16:12	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/07/21 16:12	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		09/07/21 16:12	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		09/07/21 16:12	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/07/21 16:12	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/07/21 16:12	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/07/21 16:12	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/07/21 16:12	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/07/21 16:12	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/07/21 16:12	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		09/07/21 16:12	10061-02-6	
Surrogates									
Toluene-d8 (S)	104	%	70-130		1		09/07/21 16:12	2037-26-5	
4-Bromofluorobenzene (S)	121	%	70-130		1		09/07/21 16:12	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		09/07/21 16:12	2199-69-1	

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ANALYTICAL RESULTS

Project: LN13 MP312 VALVE SITE

Pace Project No.: 40232653

Sample: **MW-5-60** Lab ID: **40232653004** Collected: 09/01/21 12:20 Received: 09/02/21 08:40 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		09/07/21 16:33	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/21 16:33	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		09/07/21 16:33	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		09/07/21 16:33	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/21 16:33	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/07/21 16:33	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/07/21 16:33	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/07/21 16:33	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		09/07/21 16:33	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/07/21 16:33	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/07/21 16:33	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		09/07/21 16:33	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/07/21 16:33	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/07/21 16:33	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/07/21 16:33	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/07/21 16:33	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/07/21 16:33	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/07/21 16:33	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/07/21 16:33	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/07/21 16:33	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		09/07/21 16:33	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/07/21 16:33	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/07/21 16:33	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		09/07/21 16:33	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/07/21 16:33	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/07/21 16:33	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		09/07/21 16:33	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		09/07/21 16:33	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/07/21 16:33	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/07/21 16:33	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/07/21 16:33	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/07/21 16:33	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		09/07/21 16:33	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/07/21 16:33	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		09/07/21 16:33	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/07/21 16:33	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/07/21 16:33	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/07/21 16:33	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/07/21 16:33	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/07/21 16:33	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/07/21 16:33	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/07/21 16:33	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/07/21 16:33	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		09/07/21 16:33	108-87-2	
Methylene Chloride	1.6J	ug/L	5.0	0.32	1		09/07/21 16:33	75-09-2	

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ANALYTICAL RESULTS

Project: LN13 MP312 VALVE SITE
Pace Project No.: 40232653

Sample: MW-5-60 **Lab ID: 40232653004** Collected: 09/01/21 12:20 Received: 09/02/21 08:40 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		09/07/21 16:33	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/07/21 16:33	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/07/21 16:33	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/07/21 16:33	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/07/21 16:33	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/07/21 16:33	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/07/21 16:33	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/07/21 16:33	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		09/07/21 16:33	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/07/21 16:33	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/07/21 16:33	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		09/07/21 16:33	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		09/07/21 16:33	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/07/21 16:33	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/07/21 16:33	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/07/21 16:33	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/07/21 16:33	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/07/21 16:33	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/07/21 16:33	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		09/07/21 16:33	10061-02-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1		09/07/21 16:33	2037-26-5	
4-Bromofluorobenzene (S)	115	%	70-130		1		09/07/21 16:33	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		09/07/21 16:33	2199-69-1	

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ANALYTICAL RESULTS

Project: LN13 MP312 VALVE SITE

Pace Project No.: 40232653

Sample: TRIP BLANK **Lab ID: 40232653005** Collected: 08/31/21 00:00 Received: 09/02/21 08:40 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		09/07/21 12:02	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/21 12:02	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		09/07/21 12:02	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		09/07/21 12:02	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/21 12:02	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/07/21 12:02	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/07/21 12:02	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/07/21 12:02	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		09/07/21 12:02	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/07/21 12:02	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/07/21 12:02	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		09/07/21 12:02	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/07/21 12:02	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/07/21 12:02	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/07/21 12:02	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/07/21 12:02	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/07/21 12:02	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/07/21 12:02	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/07/21 12:02	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/07/21 12:02	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		09/07/21 12:02	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/07/21 12:02	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/07/21 12:02	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		09/07/21 12:02	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/07/21 12:02	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/07/21 12:02	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		09/07/21 12:02	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		09/07/21 12:02	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/07/21 12:02	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/07/21 12:02	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/07/21 12:02	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/07/21 12:02	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		09/07/21 12:02	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/07/21 12:02	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		09/07/21 12:02	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/07/21 12:02	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/07/21 12:02	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/07/21 12:02	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/07/21 12:02	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/07/21 12:02	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/07/21 12:02	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/07/21 12:02	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/07/21 12:02	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		09/07/21 12:02	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/07/21 12:02	75-09-2	

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ANALYTICAL RESULTS

Project: LN13 MP312 VALVE SITE
Pace Project No.: 40232653

Sample: TRIP BLANK **Lab ID: 40232653005** Collected: 08/31/21 00:00 Received: 09/02/21 08:40 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		09/07/21 12:02	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/07/21 12:02	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/07/21 12:02	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/07/21 12:02	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/07/21 12:02	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/07/21 12:02	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/07/21 12:02	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/07/21 12:02	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		09/07/21 12:02	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/07/21 12:02	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/07/21 12:02	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		09/07/21 12:02	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		09/07/21 12:02	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/07/21 12:02	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/07/21 12:02	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/07/21 12:02	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/07/21 12:02	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/07/21 12:02	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/07/21 12:02	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		09/07/21 12:02	10061-02-6	
Surrogates									
Toluene-d8 (S)	104	%	70-130		1		09/07/21 12:02	2037-26-5	
4-Bromofluorobenzene (S)	117	%	70-130		1		09/07/21 12:02	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		09/07/21 12:02	2199-69-1	

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QUALITY CONTROL DATA

Project: LN13 MP312 VALVE SITE
Pace Project No.: 40232653

QC Batch: 394969 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40232653001, 40232653002, 40232653003, 40232653004, 40232653005

METHOD BLANK: 2279094 Matrix: Water
Associated Lab Samples: 40232653001, 40232653002, 40232653003, 40232653004, 40232653005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	09/07/21 10:08	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	09/07/21 10:08	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	09/07/21 10:08	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	09/07/21 10:08	
1,1-Dichloroethane	ug/L	<0.30	1.0	09/07/21 10:08	
1,1-Dichloroethene	ug/L	<0.58	1.0	09/07/21 10:08	
1,1-Dichloropropene	ug/L	<0.41	1.0	09/07/21 10:08	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	09/07/21 10:08	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	09/07/21 10:08	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	09/07/21 10:08	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	09/07/21 10:08	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	09/07/21 10:08	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	09/07/21 10:08	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	09/07/21 10:08	
1,2-Dichloroethane	ug/L	<0.29	1.0	09/07/21 10:08	
1,2-Dichloropropane	ug/L	<0.45	1.0	09/07/21 10:08	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	09/07/21 10:08	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	09/07/21 10:08	
1,3-Dichloropropane	ug/L	<0.30	1.0	09/07/21 10:08	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	09/07/21 10:08	
2,2-Dichloropropane	ug/L	<4.2	5.0	09/07/21 10:08	
2-Chlorotoluene	ug/L	<0.89	5.0	09/07/21 10:08	
4-Chlorotoluene	ug/L	<0.89	5.0	09/07/21 10:08	
Benzene	ug/L	<0.30	1.0	09/07/21 10:08	
Bromobenzene	ug/L	<0.36	1.0	09/07/21 10:08	
Bromochloromethane	ug/L	<0.36	5.0	09/07/21 10:08	
Bromodichloromethane	ug/L	<0.42	1.0	09/07/21 10:08	
Bromoform	ug/L	<3.8	5.0	09/07/21 10:08	
Bromomethane	ug/L	<1.2	5.0	09/07/21 10:08	
Carbon tetrachloride	ug/L	<0.37	1.0	09/07/21 10:08	
Chlorobenzene	ug/L	<0.86	1.0	09/07/21 10:08	
Chloroethane	ug/L	<1.4	5.0	09/07/21 10:08	
Chloroform	ug/L	<1.2	5.0	09/07/21 10:08	
Chloromethane	ug/L	<1.6	5.0	09/07/21 10:08	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	09/07/21 10:08	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	09/07/21 10:08	
Cyclohexane	ug/L	<1.3	5.0	09/07/21 10:08	
Dibromochloromethane	ug/L	<2.6	5.0	09/07/21 10:08	
Dibromomethane	ug/L	<0.99	5.0	09/07/21 10:08	
Dichlorodifluoromethane	ug/L	<0.46	5.0	09/07/21 10:08	

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

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QUALITY CONTROL DATA

Project: LN13 MP312 VALVE SITE
Pace Project No.: 40232653

METHOD BLANK: 2279094 Matrix: Water
Associated Lab Samples: 40232653001, 40232653002, 40232653003, 40232653004, 40232653005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	<1.1	5.0	09/07/21 10:08	
Ethylbenzene	ug/L	<0.33	1.0	09/07/21 10:08	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	09/07/21 10:08	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	09/07/21 10:08	
m&p-Xylene	ug/L	<0.70	2.0	09/07/21 10:08	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	09/07/21 10:08	
Methylcyclohexane	ug/L	<1.2	5.0	09/07/21 10:08	
Methylene Chloride	ug/L	<0.32	5.0	09/07/21 10:08	
n-Butylbenzene	ug/L	<0.86	1.0	09/07/21 10:08	
n-Heptane	ug/L	<1.6	5.0	09/07/21 10:08	
n-Hexane	ug/L	<1.5	5.0	09/07/21 10:08	
n-Propylbenzene	ug/L	<0.35	1.0	09/07/21 10:08	
Naphthalene	ug/L	<1.1	5.0	09/07/21 10:08	
o-Xylene	ug/L	<0.35	1.0	09/07/21 10:08	
p-Isopropyltoluene	ug/L	<1.0	5.0	09/07/21 10:08	
sec-Butylbenzene	ug/L	<0.42	1.0	09/07/21 10:08	
Styrene	ug/L	<0.36	1.0	09/07/21 10:08	
tert-Butylbenzene	ug/L	<0.59	1.0	09/07/21 10:08	
Tetrachloroethene	ug/L	<0.41	1.0	09/07/21 10:08	
Toluene	ug/L	<0.29	1.0	09/07/21 10:08	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	09/07/21 10:08	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	09/07/21 10:08	
Trichloroethene	ug/L	<0.32	1.0	09/07/21 10:08	
Trichlorofluoromethane	ug/L	<0.42	1.0	09/07/21 10:08	
Vinyl chloride	ug/L	<0.17	1.0	09/07/21 10:08	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130	09/07/21 10:08	
4-Bromofluorobenzene (S)	%	118	70-130	09/07/21 10:08	
Toluene-d8 (S)	%	98	70-130	09/07/21 10:08	

LABORATORY CONTROL SAMPLE: 2279095

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	47.4	95	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.0	100	66-130	
1,1,2-Trichloroethane	ug/L	50	49.6	99	70-130	
1,1-Dichloroethane	ug/L	50	52.1	104	68-132	
1,1-Dichloroethene	ug/L	50	51.7	103	85-126	
1,2,4-Trichlorobenzene	ug/L	50	36.2	72	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	38.9	78	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	47.4	95	70-130	
1,2-Dichlorobenzene	ug/L	50	45.3	91	70-130	
1,2-Dichloroethane	ug/L	50	51.7	103	70-130	
1,2-Dichloropropane	ug/L	50	51.1	102	78-125	
1,3-Dichlorobenzene	ug/L	50	46.4	93	70-130	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LN13 MP312 VALVE SITE

Pace Project No.: 40232653

LABORATORY CONTROL SAMPLE: 2279095

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	46.1	92	70-130	
Benzene	ug/L	50	52.2	104	70-132	
Bromodichloromethane	ug/L	50	49.8	100	70-130	
Bromoform	ug/L	50	36.7	73	65-130	
Bromomethane	ug/L	50	38.7	77	44-128	
Carbon tetrachloride	ug/L	50	44.5	89	70-130	
Chlorobenzene	ug/L	50	46.8	94	70-130	
Chloroethane	ug/L	50	46.7	93	73-137	
Chloroform	ug/L	50	55.9	112	80-122	
Chloromethane	ug/L	50	31.7	63	27-148	
cis-1,2-Dichloroethene	ug/L	50	51.9	104	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.0	98	70-130	
Cyclohexane	ug/L	50	53.2	106	50-150	
Dibromochloromethane	ug/L	50	40.7	81	70-130	
Dichlorodifluoromethane	ug/L	50	18.9	38	22-151	
Ethylbenzene	ug/L	50	48.8	98	80-123	
Isopropylbenzene (Cumene)	ug/L	50	48.2	96	70-130	
m&p-Xylene	ug/L	100	96.5	96	70-130	
Methyl-tert-butyl ether	ug/L	50	44.3	89	66-130	
Methylcyclohexane	ug/L	50	54.2	108	50-150	
Methylene Chloride	ug/L	50	58.1	116	70-130	
o-Xylene	ug/L	50	47.5	95	70-130	
Styrene	ug/L	50	49.1	98	70-130	
Tetrachloroethene	ug/L	50	42.7	85	70-130	
Toluene	ug/L	50	48.8	98	80-121	
trans-1,2-Dichloroethene	ug/L	50	51.4	103	70-130	
trans-1,3-Dichloropropene	ug/L	50	38.9	78	58-125	
Trichloroethene	ug/L	50	52.7	105	70-130	
Trichlorofluoromethane	ug/L	50	51.8	104	84-148	
Vinyl chloride	ug/L	50	39.3	79	63-142	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			111	70-130	
Toluene-d8 (S)	%			101	70-130	

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: LN13 MP312 VALVE SITE

Pace Project No.: 40232653

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

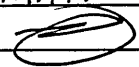
Project: LN13 MP312 VALVE SITE
Pace Project No.: 40232653

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40232653001	MW-6-32	EPA 8260	394969		
40232653002	MW-6-60	EPA 8260	394969		
40232653003	MW-5-30	EPA 8260	394969		
40232653004	MW-5-60	EPA 8260	394969		
40232653005	TRIP BLANK	EPA 8260	394969		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **WSP**
 Branch/Location: **Madison, WI**
 Project Contact: **Tim Hutt**
 Phone: **571 217-6759**
 Project Number: **31401967.705-03.63**
 Project Name: **LN13 M&B12 Valve Site**
 Project State: **WISCONSIN**
 Sampled By (Print): **- MATT GRADY**
 Sampled By (Sign): 
 PO #:
 Regulatory Program:



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

40232053

CHAIN OF CUSTODY

*Preservation Codes					
A=None	B=HCL	C=H2SO4	D=HNO3	E=DI Water	F=Methanol G=NaOH
H=Sodium Bisulfate Solution			I=Sodium Thiosulfate		J=Other

FILTERED?
(YES/NO)

 PRESERVATION
(CODE)*

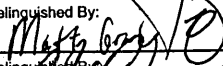
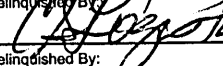

Y / N	Pick Letter	Analyses Requested																		
	B	VOC 2260																		

Quote #:
 Mail To Contact: **Tim Hutt**
 Mail To Company: **WSP**
 Mail To Address: **Tim.Hutt@wsp.com**
 Invoice To Contact: **S Tim Hutt**
 Invoice To Company: **WSP**
 Invoice To Address: **Tim.Hutt@wsp.com**
 Invoice To Phone: **(571) 217-6759**
 CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

Data Package Options (billable)
 EPA Level III
 EPA Level IV
 MS/MSD
 On your sample (billable)
 NOT needed on your sample
 Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 Sl = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Y/N	Pick Letter	Analyses Requested
		DATE	TIME				
001	MW-6-32	08/31/21	1505	GW	X		
002	MW-6-60	08/31/21	1805	GW	X		
003	MW-5-30	09/1/21	0925	GW	X		
004	MW-5-60	09/1/21	1220	GW	X		
005	TRIP BLANK						

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed:
 Transmit Prelim Rush Results by (complete what you want):
 Email #1:
 Email #2:
 Telephone:
 Fax:
 Samples on HOLD are subject to special pricing and release of liability

Relinquished By: 	Date/Time: 09/11/21 1315	Received By: PACE MADISON	Date/Time: 09/11/21 1315
Relinquished By: 	Date/Time: 9/2/21 0840	Received By: 	Date/Time: 9/2/21 0840
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No. **40232053**
 Receipt Temp = **1** °C
 Sample Receipt pH
 OK / Adjusted
 Cooler Custody Seal
 Present / **Not Present**
 Intact / Not Intact 20 of 22

Client Name: WSP

Sample Preservation Receipt Form

Project # 4023263

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

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

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

Initial when completed:

Date/Time:

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
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017																																				2.5 / 5 / 10
018																																				2.5 / 5 / 10
019																																				2.5 / 5 / 10
020																																				2.5 / 5 / 10

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

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



Document Name:
Sample Condition Upon Receipt (SCUR)
 Document No.:
ENV-FRM-GBAY-0014-Rev.00

Document Revised: 26Mar2020
 Author:
 Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: WSP

Project #:

WO# : 40232653

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



Tracking #: _____

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

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

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - 105 Type of Ice: Blue Dry None

Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 1.5 / Corr: 1

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 9/2/18 / Initials: SRK
 Labeled By Initials: SRK

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. <u>+CC</u>	<u>9/2/18</u>
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>Filter</u>	<u>9/2/18</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.	
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:	
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.	
Sufficient Volume:		8.	
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.	
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.	
-Includes date/time/ID/Analysis Matrix: <u>W</u>			
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.	
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Pace Trip Blank Lot # (if purchased): <u>467</u>			

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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

September 09, 2021

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

RE: Project: 31401967.705-03.63 LN13MP312 V
Pace Project No.: 40232731

Dear Timothy Huff:

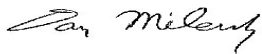
Enclosed are the analytical results for sample(s) received by the laboratory on September 03, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise 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
Brian Kimpel, WSP USA



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 31401967.705-03.63 LN13MP312 V

Pace Project No.: 40232731

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 31401967.705-03.63 LN13MP312 V

Pace Project No.: 40232731

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40232731001	MW-12-31	Water	09/01/21 16:30	09/03/21 07:50
40232731002	MW-16-29	Water	09/01/21 14:35	09/03/21 07:50
40232731003	MW-9-33	Water	09/02/21 14:00	09/03/21 07:50
40232731004	MW-9-60	Water	09/02/21 12:40	09/03/21 07:50
40232731005	MW-15-32	Water	09/02/21 10:35	09/03/21 07:50
40232731006	TRIP BLANK	Water	09/02/21 00:00	09/03/21 07:50

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 31401967.705-03.63 LN13MP312 V

Pace Project No.: 40232731

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40232731001	MW-12-31	EPA 8260	JAV	68
40232731002	MW-16-29	EPA 8260	JAV	68
40232731003	MW-9-33	EPA 8260	JAV	68
40232731004	MW-9-60	EPA 8260	JAV	68
40232731005	MW-15-32	EPA 8260	JAV	68
40232731006	TRIP BLANK	EPA 8260	JAV	68

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 31401967.705-03.63 LN13MP312 V

Pace Project No.: 40232731

Sample: MW-12-31 **Lab ID: 40232731001** Collected: 09/01/21 16:30 Received: 09/03/21 07:50 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		09/07/21 16:54	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/21 16:54	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		09/07/21 16:54	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		09/07/21 16:54	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/21 16:54	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/07/21 16:54	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/07/21 16:54	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/07/21 16:54	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		09/07/21 16:54	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/07/21 16:54	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/07/21 16:54	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		09/07/21 16:54	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/07/21 16:54	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/07/21 16:54	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/07/21 16:54	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/07/21 16:54	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/07/21 16:54	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/07/21 16:54	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/07/21 16:54	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/07/21 16:54	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		09/07/21 16:54	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/07/21 16:54	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/07/21 16:54	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		09/07/21 16:54	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/07/21 16:54	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/07/21 16:54	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		09/07/21 16:54	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		09/07/21 16:54	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/07/21 16:54	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/07/21 16:54	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/07/21 16:54	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/07/21 16:54	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		09/07/21 16:54	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/07/21 16:54	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		09/07/21 16:54	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/07/21 16:54	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/07/21 16:54	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/07/21 16:54	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/07/21 16:54	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/07/21 16:54	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/07/21 16:54	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/07/21 16:54	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/07/21 16:54	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		09/07/21 16:54	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/07/21 16:54	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-03.63 LN13MP312 V
Pace Project No.: 40232731

Sample: MW-12-31 **Lab ID: 40232731001** Collected: 09/01/21 16:30 Received: 09/03/21 07:50 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		09/07/21 16:54	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/07/21 16:54	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/07/21 16:54	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/07/21 16:54	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/07/21 16:54	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/07/21 16:54	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/07/21 16:54	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/07/21 16:54	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		09/07/21 16:54	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/07/21 16:54	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/07/21 16:54	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		09/07/21 16:54	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		09/07/21 16:54	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/07/21 16:54	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/07/21 16:54	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/07/21 16:54	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/07/21 16:54	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/07/21 16:54	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/07/21 16:54	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		09/07/21 16:54	10061-02-6	
Surrogates									
Toluene-d8 (S)	110	%	70-130		1		09/07/21 16:54	2037-26-5	
4-Bromofluorobenzene (S)	124	%	70-130		1		09/07/21 16:54	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		09/07/21 16:54	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-03.63 LN13MP312 V

Pace Project No.: 40232731

Sample: MW-16-29 **Lab ID: 40232731002** Collected: 09/01/21 14:35 Received: 09/03/21 07:50 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		09/07/21 17:14	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/21 17:14	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		09/07/21 17:14	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		09/07/21 17:14	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/21 17:14	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/07/21 17:14	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/07/21 17:14	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/07/21 17:14	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		09/07/21 17:14	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/07/21 17:14	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/07/21 17:14	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		09/07/21 17:14	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/07/21 17:14	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/07/21 17:14	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/07/21 17:14	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/07/21 17:14	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/07/21 17:14	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/07/21 17:14	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/07/21 17:14	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/07/21 17:14	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		09/07/21 17:14	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/07/21 17:14	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/07/21 17:14	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		09/07/21 17:14	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/07/21 17:14	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/07/21 17:14	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		09/07/21 17:14	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		09/07/21 17:14	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/07/21 17:14	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/07/21 17:14	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/07/21 17:14	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/07/21 17:14	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		09/07/21 17:14	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/07/21 17:14	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		09/07/21 17:14	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/07/21 17:14	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/07/21 17:14	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/07/21 17:14	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/07/21 17:14	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/07/21 17:14	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/07/21 17:14	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/07/21 17:14	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/07/21 17:14	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		09/07/21 17:14	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/07/21 17:14	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-03.63 LN13MP312 V
Pace Project No.: 40232731

Sample: MW-16-29 **Lab ID: 40232731002** Collected: 09/01/21 14:35 Received: 09/03/21 07:50 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		09/07/21 17:14	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/07/21 17:14	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/07/21 17:14	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/07/21 17:14	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/07/21 17:14	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/07/21 17:14	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/07/21 17:14	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/07/21 17:14	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		09/07/21 17:14	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/07/21 17:14	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/07/21 17:14	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		09/07/21 17:14	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		09/07/21 17:14	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/07/21 17:14	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/07/21 17:14	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/07/21 17:14	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/07/21 17:14	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/07/21 17:14	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/07/21 17:14	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		09/07/21 17:14	10061-02-6	
Surrogates									
Toluene-d8 (S)	105	%	70-130		1		09/07/21 17:14	2037-26-5	
4-Bromofluorobenzene (S)	125	%	70-130		1		09/07/21 17:14	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		09/07/21 17:14	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-03.63 LN13MP312 V
Pace Project No.: 40232731

Sample: MW-9-33 **Lab ID: 40232731003** Collected: 09/02/21 14:00 Received: 09/03/21 07:50 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		09/07/21 17:35	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/21 17:35	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		09/07/21 17:35	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		09/07/21 17:35	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/21 17:35	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/07/21 17:35	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/07/21 17:35	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/07/21 17:35	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		09/07/21 17:35	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/07/21 17:35	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/07/21 17:35	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		09/07/21 17:35	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/07/21 17:35	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/07/21 17:35	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/07/21 17:35	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/07/21 17:35	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/07/21 17:35	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/07/21 17:35	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/07/21 17:35	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/07/21 17:35	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		09/07/21 17:35	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/07/21 17:35	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/07/21 17:35	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		09/07/21 17:35	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/07/21 17:35	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/07/21 17:35	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		09/07/21 17:35	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		09/07/21 17:35	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/07/21 17:35	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/07/21 17:35	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/07/21 17:35	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/07/21 17:35	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		09/07/21 17:35	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/07/21 17:35	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		09/07/21 17:35	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/07/21 17:35	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/07/21 17:35	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/07/21 17:35	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/07/21 17:35	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/07/21 17:35	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/07/21 17:35	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/07/21 17:35	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/07/21 17:35	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		09/07/21 17:35	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/07/21 17:35	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-03.63 LN13MP312 V
Pace Project No.: 40232731

Sample: MW-9-33 **Lab ID: 40232731003** Collected: 09/02/21 14:00 Received: 09/03/21 07:50 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		09/07/21 17:35	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/07/21 17:35	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/07/21 17:35	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/07/21 17:35	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/07/21 17:35	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/07/21 17:35	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/07/21 17:35	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/07/21 17:35	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		09/07/21 17:35	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/07/21 17:35	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/07/21 17:35	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		09/07/21 17:35	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		09/07/21 17:35	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/07/21 17:35	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/07/21 17:35	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/07/21 17:35	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/07/21 17:35	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/07/21 17:35	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/07/21 17:35	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		09/07/21 17:35	10061-02-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1		09/07/21 17:35	2037-26-5	
4-Bromofluorobenzene (S)	120	%	70-130		1		09/07/21 17:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		09/07/21 17:35	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-03.63 LN13MP312 V

Pace Project No.: 40232731

Sample: MW-9-60 **Lab ID: 40232731004** Collected: 09/02/21 12:40 Received: 09/03/21 07:50 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		09/07/21 17:56	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/21 17:56	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		09/07/21 17:56	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		09/07/21 17:56	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/21 17:56	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/07/21 17:56	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/07/21 17:56	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/07/21 17:56	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		09/07/21 17:56	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/07/21 17:56	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/07/21 17:56	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		09/07/21 17:56	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/07/21 17:56	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/07/21 17:56	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/07/21 17:56	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/07/21 17:56	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/07/21 17:56	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/07/21 17:56	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/07/21 17:56	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/07/21 17:56	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		09/07/21 17:56	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/07/21 17:56	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/07/21 17:56	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		09/07/21 17:56	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/07/21 17:56	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/07/21 17:56	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		09/07/21 17:56	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		09/07/21 17:56	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/07/21 17:56	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/07/21 17:56	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/07/21 17:56	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/07/21 17:56	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		09/07/21 17:56	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/07/21 17:56	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		09/07/21 17:56	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/07/21 17:56	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/07/21 17:56	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/07/21 17:56	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/07/21 17:56	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/07/21 17:56	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/07/21 17:56	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/07/21 17:56	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/07/21 17:56	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		09/07/21 17:56	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/07/21 17:56	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-03.63 LN13MP312 V

Pace Project No.: 40232731

Sample: MW-9-60 **Lab ID: 40232731004** Collected: 09/02/21 12:40 Received: 09/03/21 07:50 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		09/07/21 17:56	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/07/21 17:56	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/07/21 17:56	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/07/21 17:56	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/07/21 17:56	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/07/21 17:56	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/07/21 17:56	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/07/21 17:56	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		09/07/21 17:56	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/07/21 17:56	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/07/21 17:56	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		09/07/21 17:56	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		09/07/21 17:56	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/07/21 17:56	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/07/21 17:56	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/07/21 17:56	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/07/21 17:56	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/07/21 17:56	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/07/21 17:56	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		09/07/21 17:56	10061-02-6	
Surrogates									
Toluene-d8 (S)	105	%	70-130		1		09/07/21 17:56	2037-26-5	
4-Bromofluorobenzene (S)	120	%	70-130		1		09/07/21 17:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		09/07/21 17:56	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-03.63 LN13MP312 V
Pace Project No.: 40232731

Sample: MW-15-32 **Lab ID: 40232731005** Collected: 09/02/21 10:35 Received: 09/03/21 07:50 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		09/07/21 18:17	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/21 18:17	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		09/07/21 18:17	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		09/07/21 18:17	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/21 18:17	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/07/21 18:17	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/07/21 18:17	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/07/21 18:17	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		09/07/21 18:17	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/07/21 18:17	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/07/21 18:17	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		09/07/21 18:17	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/07/21 18:17	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/07/21 18:17	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/07/21 18:17	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/07/21 18:17	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/07/21 18:17	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/07/21 18:17	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/07/21 18:17	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/07/21 18:17	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		09/07/21 18:17	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/07/21 18:17	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/07/21 18:17	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		09/07/21 18:17	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/07/21 18:17	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/07/21 18:17	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		09/07/21 18:17	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		09/07/21 18:17	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/07/21 18:17	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/07/21 18:17	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/07/21 18:17	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/07/21 18:17	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		09/07/21 18:17	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/07/21 18:17	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		09/07/21 18:17	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/07/21 18:17	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/07/21 18:17	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/07/21 18:17	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/07/21 18:17	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/07/21 18:17	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/07/21 18:17	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/07/21 18:17	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/07/21 18:17	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		09/07/21 18:17	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/07/21 18:17	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.705-03.63 LN13MP312 V
Pace Project No.: 40232731

Sample: MW-15-32 **Lab ID: 40232731005** Collected: 09/02/21 10:35 Received: 09/03/21 07:50 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		09/07/21 18:17	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/07/21 18:17	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/07/21 18:17	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/07/21 18:17	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/07/21 18:17	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/07/21 18:17	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/07/21 18:17	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/07/21 18:17	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		09/07/21 18:17	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/07/21 18:17	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/07/21 18:17	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		09/07/21 18:17	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		09/07/21 18:17	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/07/21 18:17	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/07/21 18:17	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/07/21 18:17	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/07/21 18:17	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/07/21 18:17	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/07/21 18:17	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		09/07/21 18:17	10061-02-6	
Surrogates									
Toluene-d8 (S)	105	%	70-130		1		09/07/21 18:17	2037-26-5	
4-Bromofluorobenzene (S)	120	%	70-130		1		09/07/21 18:17	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		09/07/21 18:17	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.705-03.63 LN13MP312 V

Pace Project No.: 40232731

Sample: TRIP BLANK **Lab ID: 40232731006** Collected: 09/02/21 00:00 Received: 09/03/21 07:50 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		09/07/21 12:23	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/21 12:23	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		09/07/21 12:23	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		09/07/21 12:23	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/07/21 12:23	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/07/21 12:23	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/07/21 12:23	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/07/21 12:23	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		09/07/21 12:23	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/07/21 12:23	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/07/21 12:23	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		09/07/21 12:23	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/07/21 12:23	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/07/21 12:23	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/07/21 12:23	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/07/21 12:23	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/07/21 12:23	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/07/21 12:23	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/07/21 12:23	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/07/21 12:23	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		09/07/21 12:23	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/07/21 12:23	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/07/21 12:23	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		09/07/21 12:23	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/07/21 12:23	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/07/21 12:23	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		09/07/21 12:23	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		09/07/21 12:23	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/07/21 12:23	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/07/21 12:23	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/07/21 12:23	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/07/21 12:23	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		09/07/21 12:23	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/07/21 12:23	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		09/07/21 12:23	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/07/21 12:23	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/07/21 12:23	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/07/21 12:23	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/07/21 12:23	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/07/21 12:23	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/07/21 12:23	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/07/21 12:23	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/07/21 12:23	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		09/07/21 12:23	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/07/21 12:23	75-09-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 31401967.705-03.63 LN13MP312 V

Pace Project No.: 40232731

Sample: TRIP BLANK **Lab ID: 40232731006** Collected: 09/02/21 00:00 Received: 09/03/21 07:50 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		09/07/21 12:23	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/07/21 12:23	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/07/21 12:23	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/07/21 12:23	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/07/21 12:23	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/07/21 12:23	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/07/21 12:23	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/07/21 12:23	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		09/07/21 12:23	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/07/21 12:23	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/07/21 12:23	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		09/07/21 12:23	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		09/07/21 12:23	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/07/21 12:23	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/07/21 12:23	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/07/21 12:23	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/07/21 12:23	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/07/21 12:23	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/07/21 12:23	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		09/07/21 12:23	10061-02-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1		09/07/21 12:23	2037-26-5	
4-Bromofluorobenzene (S)	119	%	70-130		1		09/07/21 12:23	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		09/07/21 12:23	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 31401967.705-03.63 LN13MP312 V
Pace Project No.: 40232731

QC Batch: 394969 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40232731001, 40232731002, 40232731003, 40232731004, 40232731005, 40232731006

METHOD BLANK: 2279094 Matrix: Water
Associated Lab Samples: 40232731001, 40232731002, 40232731003, 40232731004, 40232731005, 40232731006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	09/07/21 10:08	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	09/07/21 10:08	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	09/07/21 10:08	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	09/07/21 10:08	
1,1-Dichloroethane	ug/L	<0.30	1.0	09/07/21 10:08	
1,1-Dichloroethene	ug/L	<0.58	1.0	09/07/21 10:08	
1,1-Dichloropropene	ug/L	<0.41	1.0	09/07/21 10:08	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	09/07/21 10:08	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	09/07/21 10:08	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	09/07/21 10:08	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	09/07/21 10:08	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	09/07/21 10:08	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	09/07/21 10:08	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	09/07/21 10:08	
1,2-Dichloroethane	ug/L	<0.29	1.0	09/07/21 10:08	
1,2-Dichloropropane	ug/L	<0.45	1.0	09/07/21 10:08	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	09/07/21 10:08	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	09/07/21 10:08	
1,3-Dichloropropane	ug/L	<0.30	1.0	09/07/21 10:08	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	09/07/21 10:08	
2,2-Dichloropropane	ug/L	<4.2	5.0	09/07/21 10:08	
2-Chlorotoluene	ug/L	<0.89	5.0	09/07/21 10:08	
4-Chlorotoluene	ug/L	<0.89	5.0	09/07/21 10:08	
Benzene	ug/L	<0.30	1.0	09/07/21 10:08	
Bromobenzene	ug/L	<0.36	1.0	09/07/21 10:08	
Bromochloromethane	ug/L	<0.36	5.0	09/07/21 10:08	
Bromodichloromethane	ug/L	<0.42	1.0	09/07/21 10:08	
Bromoform	ug/L	<3.8	5.0	09/07/21 10:08	
Bromomethane	ug/L	<1.2	5.0	09/07/21 10:08	
Carbon tetrachloride	ug/L	<0.37	1.0	09/07/21 10:08	
Chlorobenzene	ug/L	<0.86	1.0	09/07/21 10:08	
Chloroethane	ug/L	<1.4	5.0	09/07/21 10:08	
Chloroform	ug/L	<1.2	5.0	09/07/21 10:08	
Chloromethane	ug/L	<1.6	5.0	09/07/21 10:08	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	09/07/21 10:08	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	09/07/21 10:08	
Cyclohexane	ug/L	<1.3	5.0	09/07/21 10:08	
Dibromochloromethane	ug/L	<2.6	5.0	09/07/21 10:08	
Dibromomethane	ug/L	<0.99	5.0	09/07/21 10:08	
Dichlorodifluoromethane	ug/L	<0.46	5.0	09/07/21 10:08	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 31401967.705-03.63 LN13MP312 V
Pace Project No.: 40232731

METHOD BLANK: 2279094 Matrix: Water
Associated Lab Samples: 40232731001, 40232731002, 40232731003, 40232731004, 40232731005, 40232731006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	<1.1	5.0	09/07/21 10:08	
Ethylbenzene	ug/L	<0.33	1.0	09/07/21 10:08	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	09/07/21 10:08	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	09/07/21 10:08	
m&p-Xylene	ug/L	<0.70	2.0	09/07/21 10:08	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	09/07/21 10:08	
Methylcyclohexane	ug/L	<1.2	5.0	09/07/21 10:08	
Methylene Chloride	ug/L	<0.32	5.0	09/07/21 10:08	
n-Butylbenzene	ug/L	<0.86	1.0	09/07/21 10:08	
n-Heptane	ug/L	<1.6	5.0	09/07/21 10:08	
n-Hexane	ug/L	<1.5	5.0	09/07/21 10:08	
n-Propylbenzene	ug/L	<0.35	1.0	09/07/21 10:08	
Naphthalene	ug/L	<1.1	5.0	09/07/21 10:08	
o-Xylene	ug/L	<0.35	1.0	09/07/21 10:08	
p-Isopropyltoluene	ug/L	<1.0	5.0	09/07/21 10:08	
sec-Butylbenzene	ug/L	<0.42	1.0	09/07/21 10:08	
Styrene	ug/L	<0.36	1.0	09/07/21 10:08	
tert-Butylbenzene	ug/L	<0.59	1.0	09/07/21 10:08	
Tetrachloroethene	ug/L	<0.41	1.0	09/07/21 10:08	
Toluene	ug/L	<0.29	1.0	09/07/21 10:08	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	09/07/21 10:08	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	09/07/21 10:08	
Trichloroethene	ug/L	<0.32	1.0	09/07/21 10:08	
Trichlorofluoromethane	ug/L	<0.42	1.0	09/07/21 10:08	
Vinyl chloride	ug/L	<0.17	1.0	09/07/21 10:08	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130	09/07/21 10:08	
4-Bromofluorobenzene (S)	%	118	70-130	09/07/21 10:08	
Toluene-d8 (S)	%	98	70-130	09/07/21 10:08	

LABORATORY CONTROL SAMPLE: 2279095

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	47.4	95	70-130	
1,1,1,2-Tetrachloroethane	ug/L	50	50.0	100	66-130	
1,1,2-Trichloroethane	ug/L	50	49.6	99	70-130	
1,1-Dichloroethane	ug/L	50	52.1	104	68-132	
1,1-Dichloroethene	ug/L	50	51.7	103	85-126	
1,2,4-Trichlorobenzene	ug/L	50	36.2	72	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	38.9	78	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	47.4	95	70-130	
1,2-Dichlorobenzene	ug/L	50	45.3	91	70-130	
1,2-Dichloroethane	ug/L	50	51.7	103	70-130	
1,2-Dichloropropane	ug/L	50	51.1	102	78-125	
1,3-Dichlorobenzene	ug/L	50	46.4	93	70-130	

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QUALITY CONTROL DATA

Project: 31401967.705-03.63 LN13MP312 V

Pace Project No.: 40232731

LABORATORY CONTROL SAMPLE: 2279095

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	46.1	92	70-130	
Benzene	ug/L	50	52.2	104	70-132	
Bromodichloromethane	ug/L	50	49.8	100	70-130	
Bromoform	ug/L	50	36.7	73	65-130	
Bromomethane	ug/L	50	38.7	77	44-128	
Carbon tetrachloride	ug/L	50	44.5	89	70-130	
Chlorobenzene	ug/L	50	46.8	94	70-130	
Chloroethane	ug/L	50	46.7	93	73-137	
Chloroform	ug/L	50	55.9	112	80-122	
Chloromethane	ug/L	50	31.7	63	27-148	
cis-1,2-Dichloroethene	ug/L	50	51.9	104	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.0	98	70-130	
Cyclohexane	ug/L	50	53.2	106	50-150	
Dibromochloromethane	ug/L	50	40.7	81	70-130	
Dichlorodifluoromethane	ug/L	50	18.9	38	22-151	
Ethylbenzene	ug/L	50	48.8	98	80-123	
Isopropylbenzene (Cumene)	ug/L	50	48.2	96	70-130	
m&p-Xylene	ug/L	100	96.5	96	70-130	
Methyl-tert-butyl ether	ug/L	50	44.3	89	66-130	
Methylcyclohexane	ug/L	50	54.2	108	50-150	
Methylene Chloride	ug/L	50	58.1	116	70-130	
o-Xylene	ug/L	50	47.5	95	70-130	
Styrene	ug/L	50	49.1	98	70-130	
Tetrachloroethene	ug/L	50	42.7	85	70-130	
Toluene	ug/L	50	48.8	98	80-121	
trans-1,2-Dichloroethene	ug/L	50	51.4	103	70-130	
trans-1,3-Dichloropropene	ug/L	50	38.9	78	58-125	
Trichloroethene	ug/L	50	52.7	105	70-130	
Trichlorofluoromethane	ug/L	50	51.8	104	84-148	
Vinyl chloride	ug/L	50	39.3	79	63-142	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			111	70-130	
Toluene-d8 (S)	%			101	70-130	

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QUALIFIERS

Project: 31401967.705-03.63 LN13MP312 V

Pace Project No.: 40232731

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 31401967.705-03.63 LN13MP312 V

Pace Project No.: 40232731

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40232731001	MW-12-31	EPA 8260	394969		
40232731002	MW-16-29	EPA 8260	394969		
40232731003	MW-9-33	EPA 8260	394969		
40232731004	MW-9-60	EPA 8260	394969		
40232731005	MW-15-32	EPA 8260	394969		
40232731006	TRIP BLANK	EPA 8260	394969		

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UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

40232731



CHAIN OF CUSTODY

*Preservation Codes					
A=None	B=HCL	C=H2SO4	D=HNO3	E=DI Water	F=Methanol G=NaOH
H=Sodium Bisulfate Solution			I=Sodium Thiosulfate		J=Other

Company Name: WSP
Branch/Location: MADISON, WI
Project Contact: Tim Hutt
Phone: (571) 217-6759
Project Number: 31401967.205-03.63
Project Name: LW3 MP312 Valve Site
Project State: WISCONSIN
Sampled By (Print): Matt Gony
Sampled By (Sign): [Signature]
PO #: _____ **Regulatory Program:** _____

FILTERED? (YES/NO)
 PRESERVATION (CODE)*

Y / N	Pick Letter	Analyses Requested	COLLECTION			
			DATE	TIME	MATRIX	
N	B	Voc 2260	09/11/21	1630	GW	X
			09/11/21	1435	GW	X
			09/12/21	1400	GW	X
			09/12/21	1248	GW	X
			09/12/21	1635	GW	X

Quote #: _____
Mail To Contact: Tim Hutt
Mail To Company: Tim.Hutt@wsp.com
Mail To Address: _____
Invoice To Contact: _____
Invoice To Company: WSP
Invoice To Address: Tim.Hutt@wsp.com
Invoice To Phone: (571) 217-6759
CLIENT COMMENTS | **LAB COMMENTS (Lab Use Only)** | **Profile #**

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 Sl = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	MW-12	09/11/21	1630	GW
002	MW-16	09/11/21	1435	GW
003	MW-9-33	09/12/21	1400	GW
004	MW-9-60	09/12/21	1248	GW
005	MW-15	09/12/21	1635	GW
006	TRIP BLANK			

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: _____

Relinquished By: [Signature] Date/Time: 09/12/21 1630
 Received By: PACE MADISON Date/Time: 09/12/21 1630

Relinquished By: [Signature] Date/Time: 9/13/21 0750
 Received By: [Signature] Date/Time: 9/13/21 0750

Relinquished By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

PACE Project No. 40232731

Receipt Temp = 2 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Client Name: WSP

Sample Preservation Receipt Form
Project # 40232731

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

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

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):


Initial when completed:

Date/Time:

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																W																				2.5 / 5 / 10
002																W																				2.5 / 5 / 10
003																W																				2.5 / 5 / 10
004																W																				2.5 / 5 / 10
005																W																				2.5 / 5 / 10
006																W																				2.5 / 5 / 10
007																																				2.5 / 5 / 10
008																																				2.5 / 5 / 10
009																																				2.5 / 5 / 10
010																																				2.5 / 5 / 10
011																																				2.5 / 5 / 10
012																																				2.5 / 5 / 10
013																																				2.5 / 5 / 10
014																																				2.5 / 5 / 10
015																																				2.5 / 5 / 10
016																																				2.5 / 5 / 10
017																																				2.5 / 5 / 10
018																																				2.5 / 5 / 10
019																																				2.5 / 5 / 10
020																																				2.5 / 5 / 10

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


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

 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)

Client Name: WSP Project #: _____
Courier: CS Logistics Fed Ex Speedee UPS Walto
 Client Pace Other: _____

WO# : 40232731



40232731

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 - 105 **Type of Ice:** Ice Blue Dry None Samples on ice, cooling process has begun
Cooler Temperature Uncorr: 2.5 / Corr: 2
Temp Blank Present: yes no **Biological Tissue is Frozen:** yes no
 Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:
9/3/21
Date: 9/3/21 **Initials:** SKW
Labeled By Initials: HB

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. <u>4CC</u>	<u>9/3/21</u>
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.	
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:	
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.	
Sufficient Volume:		8.	
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.	
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>02 - ID is MW16 - 29</u>	<u>9-3-21</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>			<u>SKW</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.	
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Pace Trip Blank Lot # (if purchased): <u>467</u>			

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

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

Dan Milewsky

From: Huff, Timothy A. <Tim.Huff@wsp.com>
Sent: Friday, September 3, 2021 3:45 PM
To: Dan Milewsky
Cc: Grady, Matt
Subject: RE: MW-16 Line 13 40232731_coc

CAUTION: This email originated from outside Pace Analytical. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dan, please log in the client sample IDs as follows:

MW-12 should be MW-12-31
MW-16 should be MW-16-29
MW-9-33 should be MW-09-33
MW-9-60 should be MW-09-60
MW-15 should be MW-15-32

Thanks,
Tim

-----Original Message-----

From: Dan Milewsky <Dan.Milewsky@pacelabs.com>
Sent: Friday, September 3, 2021 3:32 PM
To: Huff, Timothy A. <Tim.Huff@wsp.com>
Cc: Grady, Matt <Timothy.Grady@wsp.com>
Subject: MW-16 Line 13 40232731_coc

MW-16 on the chain is labeled MW16-29. Do you prefer this ID on the report?

Your message is ready to be sent with the following file or link attachments:

40232731_coc

September 13, 2021

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

RE: Project: 31401967.0705-03.63 LN13 MP312
Pace Project No.: 40232959

Dear Timothy Huff:

Enclosed are the analytical results for sample(s) received by the laboratory on September 09, 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
Brian Kimpel, WSP USA



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 31401967.0705-03.63 LN13 MP312

Pace Project No.: 40232959

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 31401967.0705-03.63 LN13 MP312

Pace Project No.: 40232959

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40232959001	MW-14-31	Water	09/07/21 11:10	09/09/21 08:30
40232959002	DUP-090721A	Water	09/07/21 00:00	09/09/21 08:30
40232959003	MW-13-33	Water	09/08/21 12:05	09/09/21 08:30
40232959004	MW-02-55	Water	09/08/21 09:15	09/09/21 08:30
40232959005	MW-07-60	Water	09/08/21 10:20	09/09/21 08:30
40232959006	MW-11-32	Water	09/08/21 11:30	09/09/21 08:30
40232959007	MW-10-32	Water	09/08/21 12:30	09/09/21 08:30
40232959008	MW-01-63	Water	09/08/21 14:15	09/09/21 08:30
40232959009	DUP-090821	Water	09/08/21 00:00	09/09/21 08:30
40232959010	EB-090821A	Water	09/08/21 13:30	09/09/21 08:30
40232959011	EB-090821B	Water	09/08/21 14:30	09/09/21 08:30
40232959012	TRIP BLANK	Water	09/08/21 00:00	09/09/21 08:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 31401967.0705-03.63 LN13 MP312

Pace Project No.: 40232959

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40232959001	MW-14-31	EPA 8260	LAP	68
40232959002	DUP-090721A	EPA 8260	LAP	68
40232959003	MW-13-33	EPA 8260	LAP	68
40232959004	MW-02-55	EPA 8260	LAP	68
40232959005	MW-07-60	EPA 8260	LAP	68
40232959006	MW-11-32	EPA 8260	LAP	68
40232959007	MW-10-32	EPA 8260	LAP	68
40232959008	MW-01-63	EPA 8260	LAP	68
40232959009	DUP-090821	EPA 8260	LAP	68
40232959010	EB-090821A	EPA 8260	LAP	68
40232959011	EB-090821B	EPA 8260	LAP	68
40232959012	TRIP BLANK	EPA 8260	LAP	68

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 31401967.0705-03.63 LN13 MP312

Pace Project No.: 40232959

Sample: MW-14-31 **Lab ID: 40232959001** Collected: 09/07/21 11:10 Received: 09/09/21 08:30 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		09/10/21 11:47	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/10/21 11:47	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		09/10/21 11:47	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		09/10/21 11:47	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/10/21 11:47	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/10/21 11:47	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/10/21 11:47	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/10/21 11:47	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		09/10/21 11:47	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/10/21 11:47	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/10/21 11:47	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		09/10/21 11:47	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/10/21 11:47	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/10/21 11:47	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/10/21 11:47	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/10/21 11:47	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/10/21 11:47	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/10/21 11:47	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/10/21 11:47	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/10/21 11:47	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		09/10/21 11:47	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/10/21 11:47	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/10/21 11:47	106-43-4	
Benzene	273	ug/L	1.0	0.30	1		09/10/21 11:47	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/10/21 11:47	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/10/21 11:47	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		09/10/21 11:47	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		09/10/21 11:47	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/10/21 11:47	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/10/21 11:47	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/10/21 11:47	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/10/21 11:47	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		09/10/21 11:47	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/10/21 11:47	74-87-3	
Cyclohexane	189	ug/L	5.0	1.3	1		09/10/21 11:47	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/10/21 11:47	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/10/21 11:47	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/10/21 11:47	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/10/21 11:47	108-20-3	
Ethylbenzene	0.77J	ug/L	1.0	0.33	1		09/10/21 11:47	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/10/21 11:47	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/10/21 11:47	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/10/21 11:47	1634-04-4	
Methylcyclohexane	30.2	ug/L	5.0	1.2	1		09/10/21 11:47	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/10/21 11:47	75-09-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 31401967.0705-03.63 LN13 MP312

Pace Project No.: 40232959

Sample: MW-14-31 **Lab ID: 40232959001** Collected: 09/07/21 11:10 Received: 09/09/21 08:30 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		09/10/21 11:47	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/10/21 11:47	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/10/21 11:47	127-18-4	
Toluene	3.4	ug/L	1.0	0.29	1		09/10/21 11:47	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/10/21 11:47	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/10/21 11:47	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/10/21 11:47	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/10/21 11:47	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		09/10/21 11:47	10061-01-5	
m&p-Xylene	1.5J	ug/L	2.0	0.70	1		09/10/21 11:47	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/10/21 11:47	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		09/10/21 11:47	142-82-5	
n-Hexane	2.1J	ug/L	5.0	1.5	1		09/10/21 11:47	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/10/21 11:47	103-65-1	
o-Xylene	0.59J	ug/L	1.0	0.35	1		09/10/21 11:47	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/10/21 11:47	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/10/21 11:47	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/10/21 11:47	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/10/21 11:47	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		09/10/21 11:47	10061-02-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1		09/10/21 11:47	2037-26-5	
4-Bromofluorobenzene (S)	109	%	70-130		1		09/10/21 11:47	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		09/10/21 11:47	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 31401967.0705-03.63 LN13 MP312

Pace Project No.: 40232959

Sample: DUP-090721A **Lab ID: 40232959002** Collected: 09/07/21 00:00 Received: 09/09/21 08:30 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		09/10/21 12:07	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/10/21 12:07	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		09/10/21 12:07	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		09/10/21 12:07	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/10/21 12:07	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/10/21 12:07	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/10/21 12:07	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/10/21 12:07	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		09/10/21 12:07	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/10/21 12:07	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/10/21 12:07	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		09/10/21 12:07	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/10/21 12:07	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/10/21 12:07	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/10/21 12:07	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/10/21 12:07	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/10/21 12:07	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/10/21 12:07	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/10/21 12:07	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/10/21 12:07	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		09/10/21 12:07	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/10/21 12:07	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/10/21 12:07	106-43-4	
Benzene	290	ug/L	1.0	0.30	1		09/10/21 12:07	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/10/21 12:07	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/10/21 12:07	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		09/10/21 12:07	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		09/10/21 12:07	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/10/21 12:07	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/10/21 12:07	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/10/21 12:07	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/10/21 12:07	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		09/10/21 12:07	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/10/21 12:07	74-87-3	
Cyclohexane	203	ug/L	5.0	1.3	1		09/10/21 12:07	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/10/21 12:07	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/10/21 12:07	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/10/21 12:07	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/10/21 12:07	108-20-3	
Ethylbenzene	0.80J	ug/L	1.0	0.33	1		09/10/21 12:07	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/10/21 12:07	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/10/21 12:07	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/10/21 12:07	1634-04-4	
Methylcyclohexane	32.1	ug/L	5.0	1.2	1		09/10/21 12:07	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/10/21 12:07	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.0705-03.63 LN13 MP312
Pace Project No.: 40232959

Sample: DUP-090721A **Lab ID: 40232959002** Collected: 09/07/21 00:00 Received: 09/09/21 08:30 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		09/10/21 12:07	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/10/21 12:07	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/10/21 12:07	127-18-4	
Toluene	3.8	ug/L	1.0	0.29	1		09/10/21 12:07	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/10/21 12:07	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/10/21 12:07	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/10/21 12:07	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/10/21 12:07	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		09/10/21 12:07	10061-01-5	
m&p-Xylene	1.6J	ug/L	2.0	0.70	1		09/10/21 12:07	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/10/21 12:07	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		09/10/21 12:07	142-82-5	
n-Hexane	2.1J	ug/L	5.0	1.5	1		09/10/21 12:07	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/10/21 12:07	103-65-1	
o-Xylene	0.65J	ug/L	1.0	0.35	1		09/10/21 12:07	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/10/21 12:07	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/10/21 12:07	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/10/21 12:07	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/10/21 12:07	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		09/10/21 12:07	10061-02-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		09/10/21 12:07	2037-26-5	
4-Bromofluorobenzene (S)	110	%	70-130		1		09/10/21 12:07	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		09/10/21 12:07	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.0705-03.63 LN13 MP312

Pace Project No.: 40232959

Sample: MW-13-33 **Lab ID: 40232959003** Collected: 09/08/21 12:05 Received: 09/09/21 08:30 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		09/10/21 12:26	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/10/21 12:26	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		09/10/21 12:26	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		09/10/21 12:26	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/10/21 12:26	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/10/21 12:26	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/10/21 12:26	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/10/21 12:26	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		09/10/21 12:26	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/10/21 12:26	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/10/21 12:26	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		09/10/21 12:26	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/10/21 12:26	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/10/21 12:26	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/10/21 12:26	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/10/21 12:26	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/10/21 12:26	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/10/21 12:26	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/10/21 12:26	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/10/21 12:26	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		09/10/21 12:26	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/10/21 12:26	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/10/21 12:26	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		09/10/21 12:26	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/10/21 12:26	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/10/21 12:26	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		09/10/21 12:26	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		09/10/21 12:26	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/10/21 12:26	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/10/21 12:26	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/10/21 12:26	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/10/21 12:26	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		09/10/21 12:26	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/10/21 12:26	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		09/10/21 12:26	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/10/21 12:26	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/10/21 12:26	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/10/21 12:26	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/10/21 12:26	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/10/21 12:26	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/10/21 12:26	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/10/21 12:26	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/10/21 12:26	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		09/10/21 12:26	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/10/21 12:26	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.0705-03.63 LN13 MP312
Pace Project No.: 40232959

Sample: MW-13-33 **Lab ID: 40232959003** Collected: 09/08/21 12:05 Received: 09/09/21 08:30 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		09/10/21 12:26	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/10/21 12:26	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/10/21 12:26	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/10/21 12:26	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/10/21 12:26	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/10/21 12:26	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/10/21 12:26	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/10/21 12:26	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		09/10/21 12:26	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/10/21 12:26	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/10/21 12:26	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		09/10/21 12:26	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		09/10/21 12:26	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/10/21 12:26	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/10/21 12:26	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/10/21 12:26	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/10/21 12:26	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/10/21 12:26	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/10/21 12:26	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		09/10/21 12:26	10061-02-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1		09/10/21 12:26	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130		1		09/10/21 12:26	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		09/10/21 12:26	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.0705-03.63 LN13 MP312
Pace Project No.: 40232959

Sample: MW-02-55 **Lab ID: 40232959004** Collected: 09/08/21 09:15 Received: 09/09/21 08:30 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		09/10/21 12:46	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/10/21 12:46	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		09/10/21 12:46	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		09/10/21 12:46	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/10/21 12:46	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/10/21 12:46	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/10/21 12:46	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/10/21 12:46	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		09/10/21 12:46	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/10/21 12:46	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/10/21 12:46	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		09/10/21 12:46	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/10/21 12:46	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/10/21 12:46	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/10/21 12:46	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/10/21 12:46	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/10/21 12:46	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/10/21 12:46	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/10/21 12:46	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/10/21 12:46	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		09/10/21 12:46	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/10/21 12:46	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/10/21 12:46	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		09/10/21 12:46	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/10/21 12:46	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/10/21 12:46	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		09/10/21 12:46	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		09/10/21 12:46	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/10/21 12:46	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/10/21 12:46	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/10/21 12:46	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/10/21 12:46	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		09/10/21 12:46	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/10/21 12:46	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		09/10/21 12:46	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/10/21 12:46	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/10/21 12:46	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/10/21 12:46	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/10/21 12:46	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/10/21 12:46	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/10/21 12:46	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/10/21 12:46	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/10/21 12:46	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		09/10/21 12:46	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/10/21 12:46	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.0705-03.63 LN13 MP312

Pace Project No.: 40232959

Sample: MW-02-55 **Lab ID: 40232959004** Collected: 09/08/21 09:15 Received: 09/09/21 08:30 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		09/10/21 12:46	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/10/21 12:46	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/10/21 12:46	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/10/21 12:46	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/10/21 12:46	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/10/21 12:46	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/10/21 12:46	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/10/21 12:46	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		09/10/21 12:46	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/10/21 12:46	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/10/21 12:46	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		09/10/21 12:46	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		09/10/21 12:46	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/10/21 12:46	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/10/21 12:46	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/10/21 12:46	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/10/21 12:46	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/10/21 12:46	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/10/21 12:46	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		09/10/21 12:46	10061-02-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1		09/10/21 12:46	2037-26-5	
4-Bromofluorobenzene (S)	106	%	70-130		1		09/10/21 12:46	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		09/10/21 12:46	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.0705-03.63 LN13 MP312

Pace Project No.: 40232959

Sample: MW-07-60 **Lab ID: 40232959005** Collected: 09/08/21 10:20 Received: 09/09/21 08:30 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		09/10/21 13:06	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/10/21 13:06	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		09/10/21 13:06	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		09/10/21 13:06	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/10/21 13:06	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/10/21 13:06	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/10/21 13:06	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/10/21 13:06	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		09/10/21 13:06	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/10/21 13:06	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/10/21 13:06	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		09/10/21 13:06	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/10/21 13:06	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/10/21 13:06	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/10/21 13:06	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/10/21 13:06	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/10/21 13:06	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/10/21 13:06	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/10/21 13:06	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/10/21 13:06	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		09/10/21 13:06	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/10/21 13:06	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/10/21 13:06	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		09/10/21 13:06	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/10/21 13:06	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/10/21 13:06	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		09/10/21 13:06	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		09/10/21 13:06	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/10/21 13:06	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/10/21 13:06	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/10/21 13:06	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/10/21 13:06	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		09/10/21 13:06	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/10/21 13:06	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		09/10/21 13:06	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/10/21 13:06	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/10/21 13:06	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/10/21 13:06	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/10/21 13:06	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/10/21 13:06	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/10/21 13:06	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/10/21 13:06	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/10/21 13:06	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		09/10/21 13:06	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/10/21 13:06	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.0705-03.63 LN13 MP312

Pace Project No.: 40232959

Sample: MW-07-60 **Lab ID: 40232959005** Collected: 09/08/21 10:20 Received: 09/09/21 08:30 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		09/10/21 13:06	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/10/21 13:06	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/10/21 13:06	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/10/21 13:06	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/10/21 13:06	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/10/21 13:06	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/10/21 13:06	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/10/21 13:06	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		09/10/21 13:06	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/10/21 13:06	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/10/21 13:06	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		09/10/21 13:06	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		09/10/21 13:06	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/10/21 13:06	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/10/21 13:06	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/10/21 13:06	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/10/21 13:06	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/10/21 13:06	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/10/21 13:06	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		09/10/21 13:06	10061-02-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1		09/10/21 13:06	2037-26-5	
4-Bromofluorobenzene (S)	105	%	70-130		1		09/10/21 13:06	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		09/10/21 13:06	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.0705-03.63 LN13 MP312

Pace Project No.: 40232959

Sample: MW-11-32 **Lab ID: 40232959006** Collected: 09/08/21 11:30 Received: 09/09/21 08:30 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		09/10/21 13:25	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/10/21 13:25	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		09/10/21 13:25	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		09/10/21 13:25	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/10/21 13:25	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/10/21 13:25	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/10/21 13:25	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/10/21 13:25	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		09/10/21 13:25	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/10/21 13:25	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/10/21 13:25	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		09/10/21 13:25	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/10/21 13:25	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/10/21 13:25	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/10/21 13:25	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/10/21 13:25	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/10/21 13:25	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/10/21 13:25	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/10/21 13:25	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/10/21 13:25	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		09/10/21 13:25	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/10/21 13:25	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/10/21 13:25	106-43-4	
Benzene	2.2	ug/L	1.0	0.30	1		09/10/21 13:25	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/10/21 13:25	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/10/21 13:25	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		09/10/21 13:25	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		09/10/21 13:25	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/10/21 13:25	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/10/21 13:25	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/10/21 13:25	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/10/21 13:25	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		09/10/21 13:25	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/10/21 13:25	74-87-3	
Cyclohexane	6.8	ug/L	5.0	1.3	1		09/10/21 13:25	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/10/21 13:25	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/10/21 13:25	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/10/21 13:25	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/10/21 13:25	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/10/21 13:25	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/10/21 13:25	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/10/21 13:25	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/10/21 13:25	1634-04-4	
Methylcyclohexane	2.0J	ug/L	5.0	1.2	1		09/10/21 13:25	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/10/21 13:25	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.0705-03.63 LN13 MP312

Pace Project No.: 40232959

Sample: MW-11-32 **Lab ID: 40232959006** Collected: 09/08/21 11:30 Received: 09/09/21 08:30 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		09/10/21 13:25	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/10/21 13:25	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/10/21 13:25	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/10/21 13:25	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/10/21 13:25	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/10/21 13:25	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/10/21 13:25	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/10/21 13:25	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		09/10/21 13:25	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/10/21 13:25	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/10/21 13:25	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		09/10/21 13:25	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		09/10/21 13:25	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/10/21 13:25	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/10/21 13:25	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/10/21 13:25	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/10/21 13:25	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/10/21 13:25	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/10/21 13:25	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		09/10/21 13:25	10061-02-6	
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		09/10/21 13:25	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130		1		09/10/21 13:25	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		09/10/21 13:25	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 31401967.0705-03.63 LN13 MP312

Pace Project No.: 40232959

Sample: MW-10-32 **Lab ID: 40232959007** Collected: 09/08/21 12:30 Received: 09/09/21 08:30 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		09/10/21 11:27	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/10/21 11:27	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		09/10/21 11:27	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		09/10/21 11:27	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/10/21 11:27	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/10/21 11:27	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/10/21 11:27	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/10/21 11:27	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		09/10/21 11:27	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/10/21 11:27	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/10/21 11:27	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		09/10/21 11:27	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/10/21 11:27	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/10/21 11:27	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/10/21 11:27	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/10/21 11:27	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/10/21 11:27	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/10/21 11:27	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/10/21 11:27	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/10/21 11:27	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		09/10/21 11:27	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/10/21 11:27	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/10/21 11:27	106-43-4	
Benzene	8.9	ug/L	1.0	0.30	1		09/10/21 11:27	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/10/21 11:27	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/10/21 11:27	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		09/10/21 11:27	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		09/10/21 11:27	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/10/21 11:27	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/10/21 11:27	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/10/21 11:27	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/10/21 11:27	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		09/10/21 11:27	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/10/21 11:27	74-87-3	
Cyclohexane	4.6J	ug/L	5.0	1.3	1		09/10/21 11:27	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/10/21 11:27	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/10/21 11:27	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/10/21 11:27	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/10/21 11:27	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/10/21 11:27	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/10/21 11:27	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/10/21 11:27	98-82-8	
Methyl-tert-butyl ether	6.3	ug/L	5.0	1.1	1		09/10/21 11:27	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		09/10/21 11:27	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/10/21 11:27	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.0705-03.63 LN13 MP312
Pace Project No.: 40232959

Sample: MW-10-32 **Lab ID: 40232959007** Collected: 09/08/21 12:30 Received: 09/09/21 08:30 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		09/10/21 11:27	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/10/21 11:27	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/10/21 11:27	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/10/21 11:27	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/10/21 11:27	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/10/21 11:27	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/10/21 11:27	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/10/21 11:27	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		09/10/21 11:27	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/10/21 11:27	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/10/21 11:27	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		09/10/21 11:27	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		09/10/21 11:27	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/10/21 11:27	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/10/21 11:27	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/10/21 11:27	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/10/21 11:27	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/10/21 11:27	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/10/21 11:27	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		09/10/21 11:27	10061-02-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1		09/10/21 11:27	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130		1		09/10/21 11:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		09/10/21 11:27	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.0705-03.63 LN13 MP312

Pace Project No.: 40232959

Sample: MW-01-63 **Lab ID: 40232959008** Collected: 09/08/21 14:15 Received: 09/09/21 08:30 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		09/10/21 13:45	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/10/21 13:45	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		09/10/21 13:45	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		09/10/21 13:45	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/10/21 13:45	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/10/21 13:45	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/10/21 13:45	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/10/21 13:45	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		09/10/21 13:45	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/10/21 13:45	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/10/21 13:45	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		09/10/21 13:45	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/10/21 13:45	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/10/21 13:45	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/10/21 13:45	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/10/21 13:45	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/10/21 13:45	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/10/21 13:45	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/10/21 13:45	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/10/21 13:45	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		09/10/21 13:45	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/10/21 13:45	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/10/21 13:45	106-43-4	
Benzene	0.50J	ug/L	1.0	0.30	1		09/10/21 13:45	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/10/21 13:45	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/10/21 13:45	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		09/10/21 13:45	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		09/10/21 13:45	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/10/21 13:45	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/10/21 13:45	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/10/21 13:45	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/10/21 13:45	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		09/10/21 13:45	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/10/21 13:45	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		09/10/21 13:45	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/10/21 13:45	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/10/21 13:45	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/10/21 13:45	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/10/21 13:45	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/10/21 13:45	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/10/21 13:45	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/10/21 13:45	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/10/21 13:45	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		09/10/21 13:45	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/10/21 13:45	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.0705-03.63 LN13 MP312
Pace Project No.: 40232959

Sample: MW-01-63 **Lab ID: 40232959008** Collected: 09/08/21 14:15 Received: 09/09/21 08:30 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		09/10/21 13:45	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/10/21 13:45	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/10/21 13:45	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/10/21 13:45	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/10/21 13:45	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/10/21 13:45	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/10/21 13:45	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/10/21 13:45	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		09/10/21 13:45	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/10/21 13:45	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/10/21 13:45	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		09/10/21 13:45	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		09/10/21 13:45	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/10/21 13:45	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/10/21 13:45	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/10/21 13:45	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/10/21 13:45	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/10/21 13:45	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/10/21 13:45	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		09/10/21 13:45	10061-02-6	
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		09/10/21 13:45	2037-26-5	
4-Bromofluorobenzene (S)	108	%	70-130		1		09/10/21 13:45	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		09/10/21 13:45	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.0705-03.63 LN13 MP312

Pace Project No.: 40232959

Sample: DUP-090821 **Lab ID: 40232959009** Collected: 09/08/21 00:00 Received: 09/09/21 08:30 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		09/10/21 14:04	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/10/21 14:04	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		09/10/21 14:04	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		09/10/21 14:04	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/10/21 14:04	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/10/21 14:04	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/10/21 14:04	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/10/21 14:04	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		09/10/21 14:04	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/10/21 14:04	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/10/21 14:04	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		09/10/21 14:04	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/10/21 14:04	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/10/21 14:04	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/10/21 14:04	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/10/21 14:04	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/10/21 14:04	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/10/21 14:04	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/10/21 14:04	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/10/21 14:04	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		09/10/21 14:04	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/10/21 14:04	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/10/21 14:04	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		09/10/21 14:04	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/10/21 14:04	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/10/21 14:04	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		09/10/21 14:04	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		09/10/21 14:04	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/10/21 14:04	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/10/21 14:04	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/10/21 14:04	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/10/21 14:04	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		09/10/21 14:04	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/10/21 14:04	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		09/10/21 14:04	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/10/21 14:04	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/10/21 14:04	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/10/21 14:04	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/10/21 14:04	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/10/21 14:04	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/10/21 14:04	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/10/21 14:04	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/10/21 14:04	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		09/10/21 14:04	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/10/21 14:04	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.0705-03.63 LN13 MP312

Pace Project No.: 40232959

Sample: DUP-090821 **Lab ID: 40232959009** Collected: 09/08/21 00:00 Received: 09/09/21 08:30 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		09/10/21 14:04	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/10/21 14:04	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/10/21 14:04	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/10/21 14:04	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/10/21 14:04	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/10/21 14:04	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/10/21 14:04	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/10/21 14:04	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		09/10/21 14:04	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/10/21 14:04	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/10/21 14:04	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		09/10/21 14:04	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		09/10/21 14:04	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/10/21 14:04	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/10/21 14:04	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/10/21 14:04	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/10/21 14:04	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/10/21 14:04	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/10/21 14:04	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		09/10/21 14:04	10061-02-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		09/10/21 14:04	2037-26-5	
4-Bromofluorobenzene (S)	106	%	70-130		1		09/10/21 14:04	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		09/10/21 14:04	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.0705-03.63 LN13 MP312

Pace Project No.: 40232959

Sample: EB-090821A **Lab ID: 40232959010** Collected: 09/08/21 13:30 Received: 09/09/21 08:30 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		09/10/21 14:24	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/10/21 14:24	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		09/10/21 14:24	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		09/10/21 14:24	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/10/21 14:24	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/10/21 14:24	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/10/21 14:24	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/10/21 14:24	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		09/10/21 14:24	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/10/21 14:24	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/10/21 14:24	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		09/10/21 14:24	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/10/21 14:24	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/10/21 14:24	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/10/21 14:24	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/10/21 14:24	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/10/21 14:24	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/10/21 14:24	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/10/21 14:24	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/10/21 14:24	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		09/10/21 14:24	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/10/21 14:24	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/10/21 14:24	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		09/10/21 14:24	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/10/21 14:24	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/10/21 14:24	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		09/10/21 14:24	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		09/10/21 14:24	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/10/21 14:24	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/10/21 14:24	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/10/21 14:24	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/10/21 14:24	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		09/10/21 14:24	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/10/21 14:24	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		09/10/21 14:24	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/10/21 14:24	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/10/21 14:24	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/10/21 14:24	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/10/21 14:24	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/10/21 14:24	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/10/21 14:24	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/10/21 14:24	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/10/21 14:24	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		09/10/21 14:24	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/10/21 14:24	75-09-2	

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ANALYTICAL RESULTS

Project: 31401967.0705-03.63 LN13 MP312

Pace Project No.: 40232959

Sample: EB-090821A **Lab ID: 40232959010** Collected: 09/08/21 13:30 Received: 09/09/21 08:30 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		09/10/21 14:24	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/10/21 14:24	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/10/21 14:24	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/10/21 14:24	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/10/21 14:24	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/10/21 14:24	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/10/21 14:24	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/10/21 14:24	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		09/10/21 14:24	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/10/21 14:24	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/10/21 14:24	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		09/10/21 14:24	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		09/10/21 14:24	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/10/21 14:24	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/10/21 14:24	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/10/21 14:24	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/10/21 14:24	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/10/21 14:24	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/10/21 14:24	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		09/10/21 14:24	10061-02-6	
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		09/10/21 14:24	2037-26-5	
4-Bromofluorobenzene (S)	106	%	70-130		1		09/10/21 14:24	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		09/10/21 14:24	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.0705-03.63 LN13 MP312

Pace Project No.: 40232959

Sample: EB-090821B **Lab ID: 40232959011** Collected: 09/08/21 14:30 Received: 09/09/21 08:30 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		09/10/21 14:44	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/10/21 14:44	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		09/10/21 14:44	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		09/10/21 14:44	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/10/21 14:44	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/10/21 14:44	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/10/21 14:44	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/10/21 14:44	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		09/10/21 14:44	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/10/21 14:44	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/10/21 14:44	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		09/10/21 14:44	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/10/21 14:44	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/10/21 14:44	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/10/21 14:44	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/10/21 14:44	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/10/21 14:44	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/10/21 14:44	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/10/21 14:44	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/10/21 14:44	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		09/10/21 14:44	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/10/21 14:44	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/10/21 14:44	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		09/10/21 14:44	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/10/21 14:44	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/10/21 14:44	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		09/10/21 14:44	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		09/10/21 14:44	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/10/21 14:44	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/10/21 14:44	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/10/21 14:44	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/10/21 14:44	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		09/10/21 14:44	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/10/21 14:44	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		09/10/21 14:44	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/10/21 14:44	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/10/21 14:44	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/10/21 14:44	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/10/21 14:44	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/10/21 14:44	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/10/21 14:44	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/10/21 14:44	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/10/21 14:44	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		09/10/21 14:44	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/10/21 14:44	75-09-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 31401967.0705-03.63 LN13 MP312

Pace Project No.: 40232959

Sample: EB-090821B **Lab ID: 40232959011** Collected: 09/08/21 14:30 Received: 09/09/21 08:30 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		09/10/21 14:44	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/10/21 14:44	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/10/21 14:44	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/10/21 14:44	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/10/21 14:44	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/10/21 14:44	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/10/21 14:44	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/10/21 14:44	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		09/10/21 14:44	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/10/21 14:44	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/10/21 14:44	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		09/10/21 14:44	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		09/10/21 14:44	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/10/21 14:44	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/10/21 14:44	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/10/21 14:44	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/10/21 14:44	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/10/21 14:44	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/10/21 14:44	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		09/10/21 14:44	10061-02-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1		09/10/21 14:44	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130		1		09/10/21 14:44	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		09/10/21 14:44	2199-69-1	

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ANALYTICAL RESULTS

Project: 31401967.0705-03.63 LN13 MP312

Pace Project No.: 40232959

Sample: TRIP BLANK **Lab ID: 40232959012** Collected: 09/08/21 00:00 Received: 09/09/21 08:30 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		09/10/21 11:08	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		09/10/21 11:08	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		09/10/21 11:08	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		09/10/21 11:08	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		09/10/21 11:08	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		09/10/21 11:08	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		09/10/21 11:08	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		09/10/21 11:08	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		09/10/21 11:08	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		09/10/21 11:08	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		09/10/21 11:08	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		09/10/21 11:08	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		09/10/21 11:08	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		09/10/21 11:08	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		09/10/21 11:08	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		09/10/21 11:08	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		09/10/21 11:08	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		09/10/21 11:08	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		09/10/21 11:08	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		09/10/21 11:08	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		09/10/21 11:08	594-20-7	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/10/21 11:08	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		09/10/21 11:08	106-43-4	
Benzene	<0.30	ug/L	1.0	0.30	1		09/10/21 11:08	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		09/10/21 11:08	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		09/10/21 11:08	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		09/10/21 11:08	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		09/10/21 11:08	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		09/10/21 11:08	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		09/10/21 11:08	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		09/10/21 11:08	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		09/10/21 11:08	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		09/10/21 11:08	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		09/10/21 11:08	74-87-3	
Cyclohexane	<1.3	ug/L	5.0	1.3	1		09/10/21 11:08	110-82-7	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		09/10/21 11:08	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		09/10/21 11:08	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		09/10/21 11:08	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		09/10/21 11:08	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		09/10/21 11:08	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		09/10/21 11:08	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		09/10/21 11:08	98-82-8	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		09/10/21 11:08	1634-04-4	
Methylcyclohexane	<1.2	ug/L	5.0	1.2	1		09/10/21 11:08	108-87-2	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		09/10/21 11:08	75-09-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 31401967.0705-03.63 LN13 MP312
Pace Project No.: 40232959

Sample: TRIP BLANK **Lab ID: 40232959012** Collected: 09/08/21 00:00 Received: 09/09/21 08:30 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		09/10/21 11:08	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		09/10/21 11:08	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		09/10/21 11:08	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		09/10/21 11:08	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		09/10/21 11:08	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		09/10/21 11:08	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		09/10/21 11:08	75-01-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		09/10/21 11:08	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		09/10/21 11:08	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		09/10/21 11:08	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		09/10/21 11:08	104-51-8	
n-Heptane	<1.6	ug/L	5.0	1.6	1		09/10/21 11:08	142-82-5	
n-Hexane	<1.5	ug/L	5.0	1.5	1		09/10/21 11:08	110-54-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		09/10/21 11:08	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		09/10/21 11:08	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		09/10/21 11:08	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		09/10/21 11:08	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		09/10/21 11:08	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		09/10/21 11:08	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		09/10/21 11:08	10061-02-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		09/10/21 11:08	2037-26-5	
4-Bromofluorobenzene (S)	105	%	70-130		1		09/10/21 11:08	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		09/10/21 11:08	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 31401967.0705-03.63 LN13 MP312
Pace Project No.: 40232959

QC Batch: 395333 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40232959001, 40232959002, 40232959003, 40232959004, 40232959005, 40232959006, 40232959007, 40232959008, 40232959009, 40232959010, 40232959011, 40232959012

METHOD BLANK: 2280781 Matrix: Water
Associated Lab Samples: 40232959001, 40232959002, 40232959003, 40232959004, 40232959005, 40232959006, 40232959007, 40232959008, 40232959009, 40232959010, 40232959011, 40232959012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	09/10/21 09:10	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	09/10/21 09:10	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	09/10/21 09:10	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	09/10/21 09:10	
1,1-Dichloroethane	ug/L	<0.30	1.0	09/10/21 09:10	
1,1-Dichloroethene	ug/L	<0.58	1.0	09/10/21 09:10	
1,1-Dichloropropene	ug/L	<0.41	1.0	09/10/21 09:10	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	09/10/21 09:10	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	09/10/21 09:10	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	09/10/21 09:10	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	09/10/21 09:10	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	09/10/21 09:10	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	09/10/21 09:10	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	09/10/21 09:10	
1,2-Dichloroethane	ug/L	<0.29	1.0	09/10/21 09:10	
1,2-Dichloropropane	ug/L	<0.45	1.0	09/10/21 09:10	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	09/10/21 09:10	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	09/10/21 09:10	
1,3-Dichloropropane	ug/L	<0.30	1.0	09/10/21 09:10	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	09/10/21 09:10	
2,2-Dichloropropane	ug/L	<4.2	5.0	09/10/21 09:10	
2-Chlorotoluene	ug/L	<0.89	5.0	09/10/21 09:10	
4-Chlorotoluene	ug/L	<0.89	5.0	09/10/21 09:10	
Benzene	ug/L	<0.30	1.0	09/10/21 09:10	
Bromobenzene	ug/L	<0.36	1.0	09/10/21 09:10	
Bromochloromethane	ug/L	<0.36	5.0	09/10/21 09:10	
Bromodichloromethane	ug/L	<0.42	1.0	09/10/21 09:10	
Bromoform	ug/L	<3.8	5.0	09/10/21 09:10	
Bromomethane	ug/L	<1.2	5.0	09/10/21 09:10	
Carbon tetrachloride	ug/L	<0.37	1.0	09/10/21 09:10	
Chlorobenzene	ug/L	<0.86	1.0	09/10/21 09:10	
Chloroethane	ug/L	<1.4	5.0	09/10/21 09:10	
Chloroform	ug/L	<1.2	5.0	09/10/21 09:10	
Chloromethane	ug/L	<1.6	5.0	09/10/21 09:10	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	09/10/21 09:10	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	09/10/21 09:10	
Cyclohexane	ug/L	<1.3	5.0	09/10/21 09:10	
Dibromochloromethane	ug/L	<2.6	5.0	09/10/21 09:10	
Dibromomethane	ug/L	<0.99	5.0	09/10/21 09:10	

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

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QUALITY CONTROL DATA

Project: 31401967.0705-03.63 LN13 MP312
Pace Project No.: 40232959

METHOD BLANK: 2280781 Matrix: Water
Associated Lab Samples: 40232959001, 40232959002, 40232959003, 40232959004, 40232959005, 40232959006, 40232959007, 40232959008, 40232959009, 40232959010, 40232959011, 40232959012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	<0.46	5.0	09/10/21 09:10	
Diisopropyl ether	ug/L	<1.1	5.0	09/10/21 09:10	
Ethylbenzene	ug/L	<0.33	1.0	09/10/21 09:10	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	09/10/21 09:10	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	09/10/21 09:10	
m&p-Xylene	ug/L	<0.70	2.0	09/10/21 09:10	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	09/10/21 09:10	
Methylcyclohexane	ug/L	<1.2	5.0	09/10/21 09:10	
Methylene Chloride	ug/L	<0.32	5.0	09/10/21 09:10	
n-Butylbenzene	ug/L	<0.86	1.0	09/10/21 09:10	
n-Heptane	ug/L	<1.6	5.0	09/10/21 09:10	
n-Hexane	ug/L	<1.5	5.0	09/10/21 09:10	
n-Propylbenzene	ug/L	<0.35	1.0	09/10/21 09:10	
Naphthalene	ug/L	<1.1	5.0	09/10/21 09:10	
o-Xylene	ug/L	<0.35	1.0	09/10/21 09:10	
p-Isopropyltoluene	ug/L	<1.0	5.0	09/10/21 09:10	
sec-Butylbenzene	ug/L	<0.42	1.0	09/10/21 09:10	
Styrene	ug/L	<0.36	1.0	09/10/21 09:10	
tert-Butylbenzene	ug/L	<0.59	1.0	09/10/21 09:10	
Tetrachloroethene	ug/L	<0.41	1.0	09/10/21 09:10	
Toluene	ug/L	<0.29	1.0	09/10/21 09:10	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	09/10/21 09:10	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	09/10/21 09:10	
Trichloroethene	ug/L	<0.32	1.0	09/10/21 09:10	
Trichlorofluoromethane	ug/L	<0.42	1.0	09/10/21 09:10	
Vinyl chloride	ug/L	<0.17	1.0	09/10/21 09:10	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130	09/10/21 09:10	
4-Bromofluorobenzene (S)	%	107	70-130	09/10/21 09:10	
Toluene-d8 (S)	%	101	70-130	09/10/21 09:10	

LABORATORY CONTROL SAMPLE: 2280782

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	47.6	95	70-130	
1,1,1,2-Tetrachloroethane	ug/L	50	46.5	93	66-130	
1,1,2-Trichloroethane	ug/L	50	46.3	93	70-130	
1,1-Dichloroethane	ug/L	50	49.4	99	68-132	
1,1-Dichloroethene	ug/L	50	46.2	92	85-126	
1,2,4-Trichlorobenzene	ug/L	50	44.1	88	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	44.6	89	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	45.3	91	70-130	
1,2-Dichlorobenzene	ug/L	50	45.6	91	70-130	
1,2-Dichloroethane	ug/L	50	50.6	101	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 31401967.0705-03.63 LN13 MP312
Pace Project No.: 40232959

LABORATORY CONTROL SAMPLE: 2280782

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/L	50	48.8	98	78-125	
1,3-Dichlorobenzene	ug/L	50	46.8	94	70-130	
1,4-Dichlorobenzene	ug/L	50	46.8	94	70-130	
Benzene	ug/L	50	49.6	99	70-132	
Bromodichloromethane	ug/L	50	45.8	92	70-130	
Bromoform	ug/L	50	43.7	87	65-130	
Bromomethane	ug/L	50	31.3	63	44-128	
Carbon tetrachloride	ug/L	50	47.7	95	70-130	
Chlorobenzene	ug/L	50	49.3	99	70-130	
Chloroethane	ug/L	50	45.5	91	73-137	
Chloroform	ug/L	50	47.7	95	80-122	
Chloromethane	ug/L	50	50.6	101	27-148	
cis-1,2-Dichloroethene	ug/L	50	45.9	92	70-130	
cis-1,3-Dichloropropene	ug/L	50	43.7	87	70-130	
Cyclohexane	ug/L	50	58.3	117	50-150	
Dibromochloromethane	ug/L	50	45.6	91	70-130	
Dichlorodifluoromethane	ug/L	50	42.3	85	22-151	
Ethylbenzene	ug/L	50	49.3	99	80-123	
Isopropylbenzene (Cumene)	ug/L	50	49.4	99	70-130	
m&p-Xylene	ug/L	100	96.4	96	70-130	
Methyl-tert-butyl ether	ug/L	50	39.1	78	66-130	
Methylcyclohexane	ug/L	50	52.0	104	50-150	
Methylene Chloride	ug/L	50	45.1	90	70-130	
o-Xylene	ug/L	50	48.0	96	70-130	
Styrene	ug/L	50	48.1	96	70-130	
Tetrachloroethene	ug/L	50	46.6	93	70-130	
Toluene	ug/L	50	49.3	99	80-121	
trans-1,2-Dichloroethene	ug/L	50	43.0	86	70-130	
trans-1,3-Dichloropropene	ug/L	50	41.6	83	58-125	
Trichloroethene	ug/L	50	49.1	98	70-130	
Trichlorofluoromethane	ug/L	50	45.3	91	84-148	
Vinyl chloride	ug/L	50	54.7	109	63-142	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			107	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2280783 2280784

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40232959007	Spike Conc.	Spike Conc.	Result								
1,1,1-Trichloroethane	ug/L	<0.30	50	50	45.3	44.5	91	89	70-130	2	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	44.7	44.9	89	90	66-130	0	20		
1,1,2-Trichloroethane	ug/L	<0.34	50	50	44.0	44.0	88	88	70-130	0	20		
1,1-Dichloroethane	ug/L	<0.30	50	50	46.5	45.8	93	92	68-132	1	20		
1,1-Dichloroethene	ug/L	<0.58	50	50	43.4	42.3	87	85	76-132	3	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 31401967.0705-03.63 LN13 MP312
Pace Project No.: 40232959

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2280783												2280784	
Parameter	Units	40232959007		MS	MSD	MS	MSD	MS	MSD	% Rec	Max		
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	42.0	43.2	84	86	70-130	3	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	44.4	43.2	89	86	51-126	3	20		
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	43.2	43.5	86	87	70-130	1	20		
1,2-Dichlorobenzene	ug/L	<0.33	50	50	42.6	42.8	85	86	70-130	0	20		
1,2-Dichloroethane	ug/L	<0.29	50	50	50.0	49.5	100	99	70-130	1	20		
1,2-Dichloropropane	ug/L	<0.45	50	50	46.9	46.7	93	93	77-125	0	20		
1,3-Dichlorobenzene	ug/L	<0.35	50	50	44.7	44.8	89	90	70-130	0	20		
1,4-Dichlorobenzene	ug/L	<0.89	50	50	43.9	43.9	88	88	70-130	0	20		
Benzene	ug/L	8.9	50	50	55.4	55.6	93	93	70-132	0	20		
Bromodichloromethane	ug/L	<0.42	50	50	43.5	42.4	87	85	70-130	2	20		
Bromoform	ug/L	<3.8	50	50	41.3	40.9	83	82	65-130	1	20		
Bromomethane	ug/L	<1.2	50	50	31.4	32.2	63	64	44-128	3	21		
Carbon tetrachloride	ug/L	<0.37	50	50	45.7	44.7	91	89	70-132	2	20		
Chlorobenzene	ug/L	<0.86	50	50	46.4	46.3	93	93	70-130	0	20		
Chloroethane	ug/L	<1.4	50	50	43.7	43.8	87	88	70-137	0	20		
Chloroform	ug/L	<1.2	50	50	45.4	44.2	91	88	80-122	2	20		
Chloromethane	ug/L	<1.6	50	50	49.8	47.0	100	94	17-149	6	20		
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	43.4	43.6	87	87	70-130	0	20		
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	41.4	40.5	83	81	70-130	2	20		
Cyclohexane	ug/L	4.6J	50	50	60.2	60.0	111	111	50-150	0	20		
Dibromochloromethane	ug/L	<2.6	50	50	42.0	42.3	84	85	70-130	1	20		
Dichlorodifluoromethane	ug/L	<0.46	50	50	39.7	38.7	79	77	22-158	2	20		
Ethylbenzene	ug/L	<0.33	50	50	46.1	46.2	92	92	80-123	0	20		
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	45.7	45.9	91	92	70-130	0	20		
m&p-Xylene	ug/L	<0.70	100	100	89.2	89.8	89	90	70-130	1	20		
Methyl-tert-butyl ether	ug/L	6.3	50	50	43.9	44.0	75	75	66-130	0	20		
Methylcyclohexane	ug/L	<1.2	50	50	49.6	49.6	97	97	50-150	0	20		
Methylene Chloride	ug/L	<0.32	50	50	43.4	42.5	87	85	70-130	2	20		
o-Xylene	ug/L	<0.35	50	50	44.5	44.6	89	89	70-130	0	20		
Styrene	ug/L	<0.36	50	50	44.8	44.4	90	89	70-130	1	20		
Tetrachloroethene	ug/L	<0.41	50	50	43.9	43.7	88	87	70-130	0	20		
Toluene	ug/L	<0.29	50	50	46.1	45.8	92	92	80-121	1	20		
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	40.4	39.8	81	80	70-134	1	20		
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	38.8	38.9	78	78	58-130	0	20		
Trichloroethene	ug/L	<0.32	50	50	46.3	45.7	93	91	70-130	1	20		
Trichlorofluoromethane	ug/L	<0.42	50	50	42.1	41.7	84	83	82-151	1	20		
Vinyl chloride	ug/L	<0.17	50	50	51.3	51.2	103	102	61-143	0	20		
1,2-Dichlorobenzene-d4 (S)	%						100	100	70-130				
4-Bromofluorobenzene (S)	%						107	107	70-130				
Toluene-d8 (S)	%						101	102	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 31401967.0705-03.63 LN13 MP312

Pace Project No.: 40232959

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 31401967.0705-03.63 LN13 MP312
Pace Project No.: 40232959

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40232959001	MW-14-31	EPA 8260	395333		
40232959002	DUP-090721A	EPA 8260	395333		
40232959003	MW-13-33	EPA 8260	395333		
40232959004	MW-02-55	EPA 8260	395333		
40232959005	MW-07-60	EPA 8260	395333		
40232959006	MW-11-32	EPA 8260	395333		
40232959007	MW-10-32	EPA 8260	395333		
40232959008	MW-01-63	EPA 8260	395333		
40232959009	DUP-090821	EPA 8260	395333		
40232959010	EB-090821A	EPA 8260	395333		
40232959011	EB-090821B	EPA 8260	395333		
40232959012	TRIP BLANK	EPA 8260	395333		

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(Please Print Clearly)

UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436



40232959

CHAIN OF CUSTODY

*Preservation Codes							
A=None	B=HCL	C=H2SO4	D=HNO3	E=DI Water	F=Methanol	G=NaOH	
H=Sodium Bisulfate Solution				I=Sodium Thiosulfate	J=Other		

FILTERED? (YES/NO)
PRESERVATION (CODE)*

Y/N	N									
	Pick Letter	B								
	Analyses Requested	VOL 8260								

Quote #:		
Mail To Contact:	Tim Huff	
Mail To Company:	WSP	
Mail To Address:	Tim Huff Tim.Huff@wsp.com	
Invoice To Contact:	Tim Huff	
Invoice To Company:	WSP	
Invoice To Address:	Tim.Huff@wsp.com	
Invoice To Phone:	571-217-6759	
CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #

Company Name: WSP
 Branch/Location: Madison, WI
 Project Contact: Tim Huff
 Phone: 571-217-6759
 Project Number: 31401967.705 - 03.63
 Project Name: L113 MP312 Valve Site
 Project State: WI
 Sampled By (Print): Cal Johnson / Matt Brady
 Sampled By (Sign): *[Signature]*
 PO #:
 Regulatory Program:

Data Package Options (billable)	MS/MSD	Matrix Codes
<input type="checkbox"/> EPA Level III	<input type="checkbox"/> On your sample (billable)	A = Air W = Water B = Biota DW = Drinking Water C = Charcoal GW = Ground Water O = Oil SW = Surface Water S = Soil WW = Waste Water Sl = Sludge WP = Wipe
<input type="checkbox"/> EPA Level IV	<input type="checkbox"/> NOT needed on your sample	

PACE LAB #	CLIENT FIELD ID	COLLECTION			MATRIX	X
		DATE	TIME			
001	MW-14-31	9/17/21	1110	6W		X
002	DHP-090721A	9/17/21	0000	6W		X
003	MW-13-33	9/18/21	1205	6W		X
004	MW-02-55	9/18/21	0915	6W		X
005	MW-07-60	9/18/21	1020	6W		X
006	MW-11-32	9/18/21	1130	6W		X
007	MW-10-32	9/18/21	1230	6W		X
008	MW-01-63	9/18/21	1415	6W		X
009	DHP-090821	9/18/21	0000	6W		X
010	EB-090821A	9/18/21	1330	W		X
011	EB-090821B	9/18/21	1430	W		X
012	Trip Blank	-	-	W		X

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	Relinquished By: <i>Cal Johnson</i> Date/Time: 9/18/21/1530	Received By: <i>PACE MADISON</i> Date/Time: 9/18/21/1530	PACE Project No. 40232959 Receipt Temp = 2 °C Sample Receipt pH OK/Adjusted Cooler Custody Seal Present/Not Present Intact/Not Intact
Transmit Prelim Rush Results by (complete what you want):	Relinquished By: <i>CS Logistics</i> Date/Time: 9/19/21/0830	Received By: <i>Will Larrivee Pace</i> Date/Time: 9/19/21/0830	
Email #1:	Relinquished By:	Received By:	Samples on HOLD are subject to special pricing and release of liability
Email #2:	Relinquished By:	Received By:	
Telephone:	Relinquished By:	Received By:	
Fax:	Relinquished By:	Received By:	

Sample Preservation Receipt Form

Client Name: WSP

Project # 40232959

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

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

Initial when completed:

Date/Time:

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																3																	2.5 / 5 / 10
002																3																	2.5 / 5 / 10
003																3																	2.5 / 5 / 10
004																3																	2.5 / 5 / 10
005																3																	2.5 / 5 / 10
006																3																	2.5 / 5 / 10
007																9																	2.5 / 5 / 10
008																3																	2.5 / 5 / 10
009																3																	2.5 / 5 / 10
010																3																	2.5 / 5 / 10
011																3																	2.5 / 5 / 10
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018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

WC 9/9/21

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

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

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: WSP

WO# : 40232959

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



Tracking #: _____

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

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

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR-111 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: 9/19/21 / Initials: WC
Labeled By Initials: SRK

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:	<u>9/19/21</u> <input checked="" type="checkbox"/> Yes <input checked="" 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:	<u>9/19/21</u> <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>GW</u>		<u>007 Six V69H times "0000" and IDS "MS/MSD" 9/19/21 SRK</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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

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
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.



9/22/2021

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

Date