



8040 Excelsior Drive
Suite 300
Madison, WI 53717
P 608.327.5050

gannettfleming.com

July 11, 2022
File #55929.005

Mr. Timothy Hauge
5699 South Lowes Creek Road
Eau Claire, WI 54701

Re: Laboratory Results for Water Samples Collected from PW-11 in May 2022

Dear Mr. Hauge:

On May 31, 2022, Gannett Fleming, Inc. collected a water sample from your home at 5699 South Lowes Creek Road. The sample was collected as a follow-up to the water samples previously collected from your home in conjunction with on-going groundwater monitoring and remedial activities associated with the WRR Environmental Services facility on Ryder Road. The monitoring and remedial activities at the WRR site are being conducted under the oversight of the Wisconsin Department of Natural Resources (WDNR).

Our designation for your water sample is PW-11. The water sample collected from your home in May was sent to Pace Analytical Laboratory in Green Bay, Wisconsin, for analysis of 65 individual volatile organic compounds (VOCs). Only one VOC was detected in the sample: 2-propanol (also known as isopropyl alcohol) at 13.8 micrograms per liter ($\mu\text{g}/\ell$), which is equivalent to 13.4 parts per billion (ppb). There is no state drinking water standard for 2-propanol. However, the USEPA has a screening level of 6,000 ppb for ingestion of 2-propanol by children, and the WDNR has established a health advisory level (HAL) for 2-propanol of 3,000 ppb. The concentration of 2-propanol detected in the water sample from your well is far below the USEPA screening level and the WDNR HAL value.

A copy of this letter and the May 2022 lab report are being sent to the WDNR for its records. We thank you for your cooperation. Someone from Gannett Fleming will contact you next spring to schedule a convenient time for us to collect the next sample. In the meantime, if you have any questions regarding the analytical results of the samples collected in May 2022, please call me at the number listed below.

Sincerely,

GANNETT FLEMING, INC.

A handwritten signature in black ink that reads "Anthony W. Miller".

Anthony W. Miller, P.S.S.
Senior Environmental Scientist
awmiller@gfnet.com
Ph: 608-354-7730

AWM/jec/Enc.

cc: Candice Sykora (WDNR)

June 13, 2022

The Analytical Results & QA/QC
Data included with this report
were reviewed and approved by
AWM on 06/15/22.

Tony Miller
Gannett Fleming
8040 Excelsior Drive, Ste 303
Madison, WI 53717

RE: Project: 55929.005 WRR
Pace Project No.: 40245924

Dear Tony Miller:

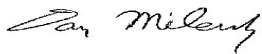
Enclosed are the analytical results for sample(s) received by the laboratory on June 03, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,



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

Enclosures

cc: Kristin Fischer, Gannett Fleming, Inc.
Marcus Mussey, Gannett Fleming Inc.
Chelsea Payne, Gannett Fleming Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 55929.005 WRR

Pace Project No.: 40245924

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: 55929.005 WRR
Pace Project No.: 40245924

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40245924001	PW-11	Water	05/31/22 18:10	06/03/22 10:00
40245954021	TRIP BLANK	Water	05/31/22 00:00	06/03/22 10:00

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SAMPLE ANALYTE COUNT

Project: 55929.005 WRR
Pace Project No.: 40245924

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40245924001	PW-11	EPA 8260	EIB	69
40245954021	TRIP BLANK	EPA 8260	EIB	69

PASI-G = Pace Analytical Services - Green Bay

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SUMMARY OF DETECTION

Project: 55929.005 WRR

Pace Project No.: 40245924

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40245924001	PW-11					
EPA 8260	2-Propanol	13.4J	ug/L	100	06/06/22 13:20	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40245924

Sample: PW-11 **Lab ID: 40245924001** Collected: 05/31/22 18:10 Received: 06/03/22 10:00 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		06/06/22 13:20	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/06/22 13:20	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		06/06/22 13:20	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		06/06/22 13:20	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/06/22 13:20	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/06/22 13:20	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		06/06/22 13:20	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		06/06/22 13:20	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		06/06/22 13:20	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		06/06/22 13:20	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		06/06/22 13:20	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		06/06/22 13:20	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		06/06/22 13:20	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		06/06/22 13:20	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		06/06/22 13:20	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		06/06/22 13:20	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		06/06/22 13:20	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		06/06/22 13:20	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		06/06/22 13:20	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		06/06/22 13:20	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		06/06/22 13:20	594-20-7	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		06/06/22 13:20	78-93-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		06/06/22 13:20	95-49-8	
2-Propanol	13.4J	ug/L	100	9.9	1		06/06/22 13:20	67-63-0	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		06/06/22 13:20	106-43-4	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		06/06/22 13:20	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		06/06/22 13:20	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		06/06/22 13:20	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		06/06/22 13:20	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		06/06/22 13:20	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		06/06/22 13:20	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		06/06/22 13:20	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		06/06/22 13:20	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		06/06/22 13:20	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		06/06/22 13:20	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		06/06/22 13:20	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		06/06/22 13:20	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		06/06/22 13:20	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		06/06/22 13:20	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		06/06/22 13:20	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		06/06/22 13:20	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		06/06/22 13:20	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		06/06/22 13:20	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		06/06/22 13:20	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		06/06/22 13:20	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40245924

Sample: PW-11 **Lab ID: 40245924001** Collected: 05/31/22 18:10 Received: 06/03/22 10:00 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									
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		06/06/22 13:20	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		06/06/22 13:20	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		06/06/22 13:20	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		06/06/22 13:20	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/06/22 13:20	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		06/06/22 13:20	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/06/22 13:20	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		06/06/22 13:20	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		06/06/22 13:20	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		06/06/22 13:20	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		06/06/22 13:20	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		06/06/22 13:20	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		06/06/22 13:20	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		06/06/22 13:20	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		06/06/22 13:20	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		06/06/22 13:20	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		06/06/22 13:20	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		06/06/22 13:20	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		06/06/22 13:20	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		06/06/22 13:20	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		06/06/22 13:20	10061-02-6	
Surrogates									
Toluene-d8 (S)	98	%	70-130		1		06/06/22 13:20	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130		1		06/06/22 13:20	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		06/06/22 13:20	2199-69-1	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40245924

Sample: TRIP BLANK **Lab ID: 40245954021** Collected: 05/31/22 00:00 Received: 06/03/22 10:00 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		06/07/22 18:48	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/07/22 18:48	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		06/07/22 18:48	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		06/07/22 18:48	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/07/22 18:48	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/07/22 18:48	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		06/07/22 18:48	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		06/07/22 18:48	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		06/07/22 18:48	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		06/07/22 18:48	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		06/07/22 18:48	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		06/07/22 18:48	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		06/07/22 18:48	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		06/07/22 18:48	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		06/07/22 18:48	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		06/07/22 18:48	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		06/07/22 18:48	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		06/07/22 18:48	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		06/07/22 18:48	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		06/07/22 18:48	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		06/07/22 18:48	594-20-7	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		06/07/22 18:48	78-93-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		06/07/22 18:48	95-49-8	
2-Propanol	<9.9	ug/L	100	9.9	1		06/07/22 18:48	67-63-0	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		06/07/22 18:48	106-43-4	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		06/07/22 18:48	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		06/07/22 18:48	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		06/07/22 18:48	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		06/07/22 18:48	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		06/07/22 18:48	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		06/07/22 18:48	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		06/07/22 18:48	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		06/07/22 18:48	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		06/07/22 18:48	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		06/07/22 18:48	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		06/07/22 18:48	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		06/07/22 18:48	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		06/07/22 18:48	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		06/07/22 18:48	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		06/07/22 18:48	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		06/07/22 18:48	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		06/07/22 18:48	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		06/07/22 18:48	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		06/07/22 18:48	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		06/07/22 18:48	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR
Pace Project No.: 40245924

Sample: TRIP BLANK **Lab ID: 40245954021** Collected: 05/31/22 00:00 Received: 06/03/22 10:00 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									
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		06/07/22 18:48	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		06/07/22 18:48	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		06/07/22 18:48	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		06/07/22 18:48	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/07/22 18:48	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		06/07/22 18:48	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/07/22 18:48	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		06/07/22 18:48	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		06/07/22 18:48	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		06/07/22 18:48	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		06/07/22 18:48	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		06/07/22 18:48	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		06/07/22 18:48	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		06/07/22 18:48	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		06/07/22 18:48	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		06/07/22 18:48	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		06/07/22 18:48	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		06/07/22 18:48	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		06/07/22 18:48	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		06/07/22 18:48	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		06/07/22 18:48	10061-02-6	
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		06/07/22 18:48	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		1		06/07/22 18:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		06/07/22 18:48	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40245924

QC Batch: 417452	Analysis Method: EPA 8260
QC Batch Method: EPA 8260	Analysis Description: 8260 MSV Oxygenates
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40245924001

METHOD BLANK: 2404177 Matrix: Water
Associated Lab Samples: 40245924001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	06/06/22 09:15	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	06/06/22 09:15	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	06/06/22 09:15	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	06/06/22 09:15	
1,1-Dichloroethane	ug/L	<0.30	1.0	06/06/22 09:15	
1,1-Dichloroethene	ug/L	<0.58	1.0	06/06/22 09:15	
1,1-Dichloropropene	ug/L	<0.41	1.0	06/06/22 09:15	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	06/06/22 09:15	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	06/06/22 09:15	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	06/06/22 09:15	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	06/06/22 09:15	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	06/06/22 09:15	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	06/06/22 09:15	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	06/06/22 09:15	
1,2-Dichloroethane	ug/L	<0.29	1.0	06/06/22 09:15	
1,2-Dichloropropane	ug/L	<0.45	1.0	06/06/22 09:15	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	06/06/22 09:15	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	06/06/22 09:15	
1,3-Dichloropropane	ug/L	<0.30	1.0	06/06/22 09:15	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	06/06/22 09:15	
2,2-Dichloropropane	ug/L	<4.2	5.0	06/06/22 09:15	
2-Butanone (MEK)	ug/L	<6.5	25.0	06/06/22 09:15	
2-Chlorotoluene	ug/L	<0.89	5.0	06/06/22 09:15	
2-Propanol	ug/L	<9.9	100	06/06/22 09:15	
4-Chlorotoluene	ug/L	<0.89	5.0	06/06/22 09:15	
4-Methyl-2-pentanone (MIBK)	ug/L	<6.0	25.0	06/06/22 09:15	
Acetone	ug/L	<8.6	25.0	06/06/22 09:15	
Benzene	ug/L	<0.30	1.0	06/06/22 09:15	
Bromobenzene	ug/L	<0.36	1.0	06/06/22 09:15	
Bromochloromethane	ug/L	<0.36	5.0	06/06/22 09:15	
Bromodichloromethane	ug/L	<0.42	1.0	06/06/22 09:15	
Bromoform	ug/L	<3.8	5.0	06/06/22 09:15	
Bromomethane	ug/L	<1.2	5.0	06/06/22 09:15	
Carbon tetrachloride	ug/L	<0.37	1.0	06/06/22 09:15	
Chlorobenzene	ug/L	<0.86	1.0	06/06/22 09:15	
Chloroethane	ug/L	<1.4	5.0	06/06/22 09:15	
Chloroform	ug/L	<1.2	5.0	06/06/22 09:15	
Chloromethane	ug/L	<1.6	5.0	06/06/22 09:15	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	06/06/22 09:15	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	06/06/22 09:15	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40245924

METHOD BLANK: 2404177

Matrix: Water

Associated Lab Samples: 40245924001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	<2.6	5.0	06/06/22 09:15	
Dibromomethane	ug/L	<0.99	5.0	06/06/22 09:15	
Dichlorodifluoromethane	ug/L	<0.46	5.0	06/06/22 09:15	
Diisopropyl ether	ug/L	<1.1	5.0	06/06/22 09:15	
Ethylbenzene	ug/L	<0.33	1.0	06/06/22 09:15	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	06/06/22 09:15	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	06/06/22 09:15	
m&p-Xylene	ug/L	<0.70	2.0	06/06/22 09:15	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	06/06/22 09:15	
Methylene Chloride	ug/L	<0.32	5.0	06/06/22 09:15	
n-Butylbenzene	ug/L	<0.86	1.0	06/06/22 09:15	
n-Propylbenzene	ug/L	<0.35	1.0	06/06/22 09:15	
Naphthalene	ug/L	<1.1	5.0	06/06/22 09:15	
o-Xylene	ug/L	<0.35	1.0	06/06/22 09:15	
p-Isopropyltoluene	ug/L	<1.0	5.0	06/06/22 09:15	
sec-Butylbenzene	ug/L	<0.42	1.0	06/06/22 09:15	
Styrene	ug/L	<0.36	1.0	06/06/22 09:15	
tert-Butylbenzene	ug/L	<0.59	1.0	06/06/22 09:15	
Tetrachloroethene	ug/L	<0.41	1.0	06/06/22 09:15	
Toluene	ug/L	<0.29	1.0	06/06/22 09:15	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	06/06/22 09:15	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	06/06/22 09:15	
Trichloroethene	ug/L	<0.32	1.0	06/06/22 09:15	
Trichlorofluoromethane	ug/L	<0.42	1.0	06/06/22 09:15	
Vinyl chloride	ug/L	<0.17	1.0	06/06/22 09:15	
Xylene (Total)	ug/L	<1.0	3.0	06/06/22 09:15	
1,2-Dichlorobenzene-d4 (S)	%	106	70-130	06/06/22 09:15	
4-Bromofluorobenzene (S)	%	103	70-130	06/06/22 09:15	
Toluene-d8 (S)	%	97	70-130	06/06/22 09:15	

LABORATORY CONTROL SAMPLE: 2404178

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.0	108	70-134	
1,1,1,2-Tetrachloroethane	ug/L	50	49.4	99	69-130	
1,1,2-Trichloroethane	ug/L	50	47.1	94	70-130	
1,1-Dichloroethane	ug/L	50	52.7	105	70-130	
1,1-Dichloroethene	ug/L	50	51.4	103	74-131	
1,2,4-Trichlorobenzene	ug/L	50	48.9	98	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	50.1	100	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	46.2	92	70-130	
1,2-Dichlorobenzene	ug/L	50	49.2	98	70-130	
1,2-Dichloroethane	ug/L	50	49.6	99	70-137	
1,2-Dichloropropane	ug/L	50	52.7	105	80-121	

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40245924

LABORATORY CONTROL SAMPLE: 2404178

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/L	50	49.2	98	70-130	
1,4-Dichlorobenzene	ug/L	50	47.8	96	70-130	
Benzene	ug/L	50	52.7	105	70-130	
Bromodichloromethane	ug/L	50	51.5	103	70-130	
Bromoform	ug/L	50	46.9	94	70-130	
Bromomethane	ug/L	50	34.7	69	21-147	
Carbon tetrachloride	ug/L	50	56.6	113	80-146	
Chlorobenzene	ug/L	50	49.2	98	70-130	
Chloroethane	ug/L	50	57.7	115	52-165	
Chloroform	ug/L	50	53.4	107	80-123	
Chloromethane	ug/L	50	34.4	69	51-122	
cis-1,2-Dichloroethene	ug/L	50	48.5	97	70-130	
cis-1,3-Dichloropropene	ug/L	50	48.5	97	70-130	
Dibromochloromethane	ug/L	50	45.8	92	70-130	
Dichlorodifluoromethane	ug/L	50	17.4	35	25-121	
Ethylbenzene	ug/L	50	53.5	107	80-120	
Isopropylbenzene (Cumene)	ug/L	50	53.8	108	70-130	
m&p-Xylene	ug/L	100	106	106	70-130	
Methyl-tert-butyl ether	ug/L	50	47.5	95	70-130	
Methylene Chloride	ug/L	50	51.7	103	70-130	
o-Xylene	ug/L	50	51.8	104	70-130	
Styrene	ug/L	50	52.1	104	70-130	
Tetrachloroethene	ug/L	50	50.6	101	70-130	
Toluene	ug/L	50	49.6	99	80-120	
trans-1,2-Dichloroethene	ug/L	50	50.8	102	70-130	
trans-1,3-Dichloropropene	ug/L	50	39.4	79	70-130	
Trichloroethene	ug/L	50	52.5	105	70-130	
Trichlorofluoromethane	ug/L	50	45.7	91	65-160	
Vinyl chloride	ug/L	50	39.1	78	63-134	
Xylene (Total)	ug/L	150	158	105	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2404350 2404351

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40245923001 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	<0.30	50	50	53.3	53.2	107	106	70-134	0	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	50.5	50.7	101	101	61-135	0	20		
1,1,2-Trichloroethane	ug/L	<0.34	50	50	47.5	48.4	95	97	70-130	2	20		
1,1-Dichloroethane	ug/L	<0.30	50	50	52.8	51.6	106	103	70-130	2	20		
1,1-Dichloroethene	ug/L	<0.58	50	50	51.8	50.5	104	101	71-130	2	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	51.7	51.5	103	103	68-131	1	20		

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40245924

Parameter	Units	2404350		2404351		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40245923001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	53.0	51.3	106	103	51-141	3	20		
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	48.1	48.3	96	97	70-130	0	20		
1,2-Dichlorobenzene	ug/L	<0.33	50	50	51.7	50.4	103	101	70-130	2	20		
1,2-Dichloroethane	ug/L	<0.29	50	50	49.5	48.7	99	97	70-137	1	20		
1,2-Dichloropropane	ug/L	<0.45	50	50	52.6	50.9	105	102	80-121	3	20		
1,3-Dichlorobenzene	ug/L	<0.35	50	50	50.9	50.9	102	102	70-130	0	20		
1,4-Dichlorobenzene	ug/L	<0.89	50	50	50.0	48.9	100	98	70-130	2	20		
Benzene	ug/L	<0.30	50	50	52.8	51.4	106	103	70-130	3	20		
Bromodichloromethane	ug/L	<0.42	50	50	50.3	48.7	101	97	70-130	3	20		
Bromoform	ug/L	<3.8	50	50	48.2	50.2	96	100	70-133	4	20		
Bromomethane	ug/L	<1.2	50	50	37.6	35.7	75	71	21-149	5	22		
Carbon tetrachloride	ug/L	<0.37	50	50	56.2	54.3	112	109	80-146	3	20		
Chlorobenzene	ug/L	<0.86	50	50	50.7	51.4	101	103	70-130	1	20		
Chloroethane	ug/L	<1.4	50	50	56.6	51.3	113	103	52-165	10	20		
Chloroform	ug/L	<1.2	50	50	52.4	51.3	105	103	80-123	2	20		
Chloromethane	ug/L	<1.6	50	50	32.1	31.9	64	64	42-125	0	20		
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	48.5	47.5	97	95	70-130	2	20		
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	49.1	48.5	98	97	70-130	1	20		
Dibromochloromethane	ug/L	<2.6	50	50	47.8	48.0	96	96	70-130	0	20		
Dichlorodifluoromethane	ug/L	<0.46	50	50	17.7	16.1	35	32	25-121	9	20		
Ethylbenzene	ug/L	<0.33	50	50	54.1	54.5	108	109	80-121	1	20		
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	54.9	55.5	110	111	70-130	1	20		
m&p-Xylene	ug/L	<0.70	100	100	107	108	107	108	70-130	1	20		
Methyl-tert-butyl ether	ug/L	<1.1	50	50	47.3	47.1	95	94	70-130	0	20		
Methylene Chloride	ug/L	<0.32	50	50	53.1	50.8	106	102	70-130	4	20		
o-Xylene	ug/L	<0.35	50	50	53.2	52.8	106	106	70-130	1	20		
Styrene	ug/L	<0.36	50	50	53.5	53.6	107	107	70-132	0	20		
Tetrachloroethene	ug/L	<0.41	50	50	51.8	52.6	104	105	70-130	1	20		
Toluene	ug/L	<0.29	50	50	50.0	50.0	100	100	80-120	0	20		
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	51.0	50.9	102	102	70-130	0	20		
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	40.9	40.6	82	81	70-130	1	20		
Trichloroethene	ug/L	<0.32	50	50	52.6	50.6	105	101	70-130	4	20		
Trichlorofluoromethane	ug/L	<0.42	50	50	46.5	45.1	93	90	65-160	3	20		
Vinyl chloride	ug/L	<0.17	50	50	39.0	37.6	78	75	60-137	4	20		
Xylene (Total)	ug/L	<1.0	150	150	160	161	107	107	70-130	0	20		
1,2-Dichlorobenzene-d4 (S)	%						101	102	70-130				
4-Bromofluorobenzene (S)	%						108	108	70-130				
Toluene-d8 (S)	%						97	98	70-130				

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40245924

QC Batch: 417570	Analysis Method: EPA 8260
QC Batch Method: EPA 8260	Analysis Description: 8260 MSV Oxygenates
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40245954021

METHOD BLANK: 2404599 Matrix: Water
Associated Lab Samples: 40245954021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	06/07/22 16:04	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	06/07/22 16:04	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	06/07/22 16:04	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	06/07/22 16:04	
1,1-Dichloroethane	ug/L	<0.30	1.0	06/07/22 16:04	
1,1-Dichloroethene	ug/L	<0.58	1.0	06/07/22 16:04	
1,1-Dichloropropene	ug/L	<0.41	1.0	06/07/22 16:04	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	06/07/22 16:04	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	06/07/22 16:04	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	06/07/22 16:04	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	06/07/22 16:04	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	06/07/22 16:04	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	06/07/22 16:04	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	06/07/22 16:04	
1,2-Dichloroethane	ug/L	<0.29	1.0	06/07/22 16:04	
1,2-Dichloropropane	ug/L	<0.45	1.0	06/07/22 16:04	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	06/07/22 16:04	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	06/07/22 16:04	
1,3-Dichloropropane	ug/L	<0.30	1.0	06/07/22 16:04	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	06/07/22 16:04	
2,2-Dichloropropane	ug/L	<4.2	5.0	06/07/22 16:04	
2-Butanone (MEK)	ug/L	<6.5	25.0	06/07/22 16:04	
2-Chlorotoluene	ug/L	<0.89	5.0	06/07/22 16:04	
2-Propanol	ug/L	<9.9	100	06/07/22 16:04	
4-Chlorotoluene	ug/L	<0.89	5.0	06/07/22 16:04	
4-Methyl-2-pentanone (MIBK)	ug/L	<6.0	25.0	06/07/22 16:04	
Acetone	ug/L	<8.6	25.0	06/07/22 16:04	
Benzene	ug/L	<0.30	1.0	06/07/22 16:04	
Bromobenzene	ug/L	<0.36	1.0	06/07/22 16:04	
Bromochloromethane	ug/L	<0.36	5.0	06/07/22 16:04	
Bromodichloromethane	ug/L	<0.42	1.0	06/07/22 16:04	
Bromoform	ug/L	<3.8	5.0	06/07/22 16:04	
Bromomethane	ug/L	<1.2	5.0	06/07/22 16:04	
Carbon tetrachloride	ug/L	<0.37	1.0	06/07/22 16:04	
Chlorobenzene	ug/L	<0.86	1.0	06/07/22 16:04	
Chloroethane	ug/L	<1.4	5.0	06/07/22 16:04	
Chloroform	ug/L	<1.2	5.0	06/07/22 16:04	
Chloromethane	ug/L	<1.6	5.0	06/07/22 16:04	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	06/07/22 16:04	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	06/07/22 16:04	

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40245924

METHOD BLANK: 2404599

Matrix: Water

Associated Lab Samples: 40245954021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	<2.6	5.0	06/07/22 16:04	
Dibromomethane	ug/L	<0.99	5.0	06/07/22 16:04	
Dichlorodifluoromethane	ug/L	<0.46	5.0	06/07/22 16:04	
Diisopropyl ether	ug/L	<1.1	5.0	06/07/22 16:04	
Ethylbenzene	ug/L	<0.33	1.0	06/07/22 16:04	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	06/07/22 16:04	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	06/07/22 16:04	
m&p-Xylene	ug/L	<0.70	2.0	06/07/22 16:04	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	06/07/22 16:04	
Methylene Chloride	ug/L	<0.32	5.0	06/07/22 16:04	
n-Butylbenzene	ug/L	<0.86	1.0	06/07/22 16:04	
n-Propylbenzene	ug/L	<0.35	1.0	06/07/22 16:04	
Naphthalene	ug/L	<1.1	5.0	06/07/22 16:04	
o-Xylene	ug/L	<0.35	1.0	06/07/22 16:04	
p-Isopropyltoluene	ug/L	<1.0	5.0	06/07/22 16:04	
sec-Butylbenzene	ug/L	<0.42	1.0	06/07/22 16:04	
Styrene	ug/L	<0.36	1.0	06/07/22 16:04	
tert-Butylbenzene	ug/L	<0.59	1.0	06/07/22 16:04	
Tetrachloroethene	ug/L	<0.41	1.0	06/07/22 16:04	
Toluene	ug/L	<0.29	1.0	06/07/22 16:04	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	06/07/22 16:04	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	06/07/22 16:04	
Trichloroethene	ug/L	<0.32	1.0	06/07/22 16:04	
Trichlorofluoromethane	ug/L	<0.42	1.0	06/07/22 16:04	
Vinyl chloride	ug/L	<0.17	1.0	06/07/22 16:04	
Xylene (Total)	ug/L	<1.0	3.0	06/07/22 16:04	
1,2-Dichlorobenzene-d4 (S)	%	105	70-130	06/07/22 16:04	
4-Bromofluorobenzene (S)	%	101	70-130	06/07/22 16:04	
Toluene-d8 (S)	%	99	70-130	06/07/22 16:04	

LABORATORY CONTROL SAMPLE: 2404600

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.1	104	70-134	
1,1,1,2-Tetrachloroethane	ug/L	50	50.6	101	69-130	
1,1,2-Trichloroethane	ug/L	50	48.3	97	70-130	
1,1-Dichloroethane	ug/L	50	53.0	106	70-130	
1,1-Dichloroethene	ug/L	50	52.5	105	74-131	
1,2,4-Trichlorobenzene	ug/L	50	49.6	99	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	52.6	105	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	47.4	95	70-130	
1,2-Dichlorobenzene	ug/L	50	52.1	104	70-130	
1,2-Dichloroethane	ug/L	50	48.9	98	70-137	
1,2-Dichloropropane	ug/L	50	52.3	105	80-121	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40245924

LABORATORY CONTROL SAMPLE: 2404600

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/L	50	50.4	101	70-130	
1,4-Dichlorobenzene	ug/L	50	49.3	99	70-130	
Benzene	ug/L	50	52.4	105	70-130	
Bromodichloromethane	ug/L	50	49.4	99	70-130	
Bromoform	ug/L	50	47.3	95	70-130	
Bromomethane	ug/L	50	35.3	71	21-147	
Carbon tetrachloride	ug/L	50	56.0	112	80-146	
Chlorobenzene	ug/L	50	52.3	105	70-130	
Chloroethane	ug/L	50	48.5	97	52-165	
Chloroform	ug/L	50	52.6	105	80-123	
Chloromethane	ug/L	50	31.5	63	51-122	
cis-1,2-Dichloroethene	ug/L	50	47.4	95	70-130	
cis-1,3-Dichloropropene	ug/L	50	47.2	94	70-130	
Dibromochloromethane	ug/L	50	46.4	93	70-130	
Dichlorodifluoromethane	ug/L	50	14.2	28	25-121	
Ethylbenzene	ug/L	50	55.7	111	80-120	
Isopropylbenzene (Cumene)	ug/L	50	56.5	113	70-130	
m&p-Xylene	ug/L	100	111	111	70-130	
Methyl-tert-butyl ether	ug/L	50	45.0	90	70-130	
Methylene Chloride	ug/L	50	54.2	108	70-130	
o-Xylene	ug/L	50	53.9	108	70-130	
Styrene	ug/L	50	54.4	109	70-130	
Tetrachloroethene	ug/L	50	51.8	104	70-130	
Toluene	ug/L	50	51.8	104	80-120	
trans-1,2-Dichloroethene	ug/L	50	48.2	96	70-130	
trans-1,3-Dichloropropene	ug/L	50	39.0	78	70-130	
Trichloroethene	ug/L	50	50.5	101	70-130	
Trichlorofluoromethane	ug/L	50	46.1	92	65-160	
Vinyl chloride	ug/L	50	37.3	75	63-134	
Xylene (Total)	ug/L	150	165	110	70-130	
1,2-Dichlorobenzene-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			105	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2405085 2405086

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40245954024 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	<0.30	50	50	52.3	53.7	105	107	70-134	3	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	50.4	49.7	101	99	61-135	1	20		
1,1,2-Trichloroethane	ug/L	<0.34	50	50	47.4	47.4	95	95	70-130	0	20		
1,1,2-Dichloroethane	ug/L	10.3	50	50	63.6	64.4	107	108	70-130	1	20		
1,1-Dichloroethene	ug/L	<0.58	50	50	53.0	53.9	106	108	71-130	2	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	47.4	48.9	95	98	68-131	3	20		

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40245924

Parameter	Units	2405085		2405086		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40245954024 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	50.8	49.7	102	99	51-141	2	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	47.3	47.7	95	95	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	50.1	50.1	100	100	70-130	0	20	
1,2-Dichloroethane	ug/L	0.37J	50	50	50.5	49.9	100	99	70-137	1	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	53.2	54.1	106	108	80-121	2	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	50.6	51.4	101	103	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	48.0	49.6	96	99	70-130	3	20	
Benzene	ug/L	0.37J	50	50	53.0	54.8	105	109	70-130	3	20	
Bromodichloromethane	ug/L	<0.42	50	50	49.9	51.4	100	103	70-130	3	20	
Bromoform	ug/L	<3.8	50	50	46.6	47.6	93	95	70-133	2	20	
Bromomethane	ug/L	<1.2	50	50	38.0	38.5	76	77	21-149	1	22	
Carbon tetrachloride	ug/L	<0.37	50	50	55.8	56.7	112	113	80-146	2	20	
Chlorobenzene	ug/L	<0.86	50	50	52.7	53.1	105	106	70-130	1	20	
Chloroethane	ug/L	2.8J	50	50	52.9	52.6	100	100	52-165	1	20	
Chloroform	ug/L	<1.2	50	50	52.2	53.4	104	107	80-123	2	20	
Chloromethane	ug/L	<1.6	50	50	30.3	30.4	61	61	42-125	0	20	
cis-1,2-Dichloroethene	ug/L	4.2	50	50	52.2	52.3	96	96	70-130	0	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	47.4	49.5	95	99	70-130	4	20	
Dibromochloromethane	ug/L	<2.6	50	50	47.8	47.4	96	95	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	15.5	15.4	31	31	25-121	1	20	
Ethylbenzene	ug/L	5.6	50	50	62.8	63.3	114	115	80-121	1	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	56.4	56.5	113	113	70-130	0	20	
m&p-Xylene	ug/L	1.9J	100	100	115	115	113	113	70-130	0	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	45.8	46.6	92	93	70-130	2	20	
Methylene Chloride	ug/L	<0.32	50	50	54.4	55.9	109	112	70-130	3	20	
o-Xylene	ug/L	0.37J	50	50	55.2	55.8	110	111	70-130	1	20	
Styrene	ug/L	<0.36	50	50	54.7	55.2	109	110	70-132	1	20	
Tetrachloroethene	ug/L	<0.41	50	50	53.0	53.3	106	107	70-130	0	20	
Toluene	ug/L	0.34J	50	50	52.0	52.1	103	103	80-120	0	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	51.4	51.2	103	102	70-130	0	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	41.0	40.3	82	81	70-130	2	20	
Trichloroethene	ug/L	1.1	50	50	52.6	53.5	103	105	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	46.1	47.3	92	95	65-160	3	20	
Vinyl chloride	ug/L	17.8	50	50	54.3	55.9	73	76	60-137	3	20	
Xylene (Total)	ug/L	2.3J	150	150	170	171	112	112	70-130	0	20	
1,2-Dichlorobenzene-d4 (S)	%						99	99	70-130			
4-Bromofluorobenzene (S)	%						104	104	70-130			
Toluene-d8 (S)	%						101	100	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 55929.005 WRR

Pace Project No.: 40245924

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: 55929.005 WRR

Pace Project No.: 40245924

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40245924001	PW-11	EPA 8260	417452		
40245954021	TRIP BLANK	EPA 8260	417570		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

40245924

ALL SHADED AREAS are for LAB USE ONLY

Company: Gannett Fleming Billing Information: See Report

Address: 8040 Excelsior Dr.

Report To: Anthony Miller Email To: awmiller@gfnet.com

Copy To: Site Collection Info/Address: 4027 Ryder Rd.

Customer Project Name/Number: 55929.005 State: WI County/City: Eau Claire Time Zone Collected: [] PT [] MT [] CT [] ET

Phone: 608-354-7730 Site/Facility ID #: WLP 55929.005 Compliance Monitoring? Yes No

Collected By (print): Krishn Fisher Purchase Order #: PAPE 2022 DW PWS ID #: DW Location Code:

Collected By (signature): Krishn Fisher Turnaround Date Required: Standard Immediately Packed on Ice: Yes No

Sample Disposal: Dispose as appropriate Return Archive: Hold: Rush: Same Day Next Day 2 Day 3 Day 4 Day 5 Day (Expedite Charges Apply) Field Filtered (if applicable): Yes No Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
<u>PW-11</u>	<u>GW</u>	<u>Grab</u>	<u>5/31</u>	<u>18:10</u>				<u>3</u>
<u>Trip Blank</u>								

Container Preservative Type **										Lab Project Manager:
** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other										
Analyses										Lab Profile/Line:
<div style="writing-mode: vertical-rl; transform: rotate(180deg);">VOCs</div>										Lab Sample Receipt Checklist:
										Custody Seals Present <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA Custody Signatures Present <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA Collector Signature Present <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA Bottles Intact <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA Correct Bottles <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA Sufficient Volume <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA Samples Received on Ice <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA VOA - Headspace Acceptable <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA USDA Regulated Soils <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA Samples in Holding Time <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA Residual Chlorine Present <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA Cl Strips: _____ Sample pH Acceptable <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA pH Strips: _____ Sulfide Present <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA Lead Acetate Strips: _____ LAB USE ONLY: Lab Sample # / Comments:
										<u>001</u> <u>002</u>

Customer Remarks / Special Conditions / Possible Hazards: see report

Type of Ice Used: Wet Blue Dry None

Packing Material Used: see report

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2767596

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: see report

Cooler 1 Temp Upon Receipt: see report

Cooler 1 Therm Corr. Factor: see report

Cooler 1 Corrected Temp: see report °C

Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	MTJL LAB USE ONLY	
Relinquished by/Company: (Signature)	Date/Time: <u>6/3/22 1000</u>	Received by/Company: (Signature)	Date/Time: <u>6/3/22 1000</u>	Table #:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Acctnum:	
				Template:	
				Prelogin:	
				PM:	
				PB:	
				Trip Blank Received: <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA	
				HCL MeOH TSP Other	
				Non Conformance(s):	Page: <u>Page 20</u> of <u>22</u>
				YES / NO	of: _____

Client Name: Gannett Fleming Project # 40245924

Sample Preservation Receipt Form

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

Initial when completed: Date/Time:

Pace Lab #	Lab Lot# of pH paper:									Lab Std #ID of preservation (if pH adjusted):									Initial when completed:	Date/Time:	Volume (mL)											
	Glass			Plastic			Vials			Jars			General																			
	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	VOA Vials (>6mm) *	H2SO4 pH ≤ 2	NaOH+Zn Act. pH ≥ 9	NaOH pH ≥ 12	HNO3 pH ≤ 2	pH after adjusted
001																																2.5 / 5 / 10
002																																2.5 / 5 / 10
003																																2.5 / 5 / 10
004																																2.5 / 5 / 10
005																																2.5 / 5 / 10
006																																2.5 / 5 / 10
007																																2.5 / 5 / 10
008																																2.5 / 5 / 10
009																																2.5 / 5 / 10
010																																2.5 / 5 / 10
011																																2.5 / 5 / 10
012																																2.5 / 5 / 10
013																																2.5 / 5 / 10
014																																2.5 / 5 / 10
015																																2.5 / 5 / 10
016																																2.5 / 5 / 10
017																																2.5 / 5 / 10
018																																2.5 / 5 / 10
019																																2.5 / 5 / 10
020																																2.5 / 5 / 10


Col 3/22 up

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

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

Sample Condition Upon Receipt Form (SCUR)

Client Name: Gannett Fleming
 Courier: CS Logistics Fed Ex Speedee UPS Waltco
 Client Pace Other: _____

Project #: _____
WO# : 40245924

 40245924

Tracking #: 273853523847
 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-116 Type of Ice: Wet Blue Dry None

Cooler Temperature Uncorr: 0 / Corr: 0.1 Samples on ice, cooling process has begun
 Temp Blank Present: yes no Biological Tissue is Frozen: yes no
 Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:
 Date: 6/3/22 / Initials: MP
 Labeled By Initials: MH

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. <u>+ 2 CC 6/3/22 mp</u>
Chain of Custody Filled Out:	<u>6/3/22 mp</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>analyses, py#, preservation 6/3/22 mp</u>
Chain of Custody Relinquished:	<u>6/3/22 mp</u> <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: - VOA Samples frozen upon receipt	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	5. 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: 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		8.
Correct Containers Used: -Pace Containers Used: -Pace IR Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <u>W</u>	12. <u>6/3/22 mp</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):		

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

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample login
 Page 2 of 2



8040 Excelsior Drive
Suite 300
Madison, WI 53717
P 608.327.5050

gannettfleming.com

July 11, 2022
File #55929.005

Ms. Hai Xia Shan
5535 Wild Rose Lane
Eau Claire, WI 54701

Re: Laboratory Results for Water Sample Collected from PW-16 in May 2022

Dear Ms. Shan:

On May 31, 2022, Gannett Fleming, Inc. collected a water sample from your home at 5535 Wild Rose Lane. The sample was collected as a follow-up to the water samples previously collected from your home in conjunction with on-going groundwater monitoring and remedial activities associated with the WRR Environmental Services facility on Ryder Road. The monitoring and remedial activities at the WRR site are being conducted under the oversight of the Wisconsin Department of Natural Resources (WDNR).

Our designation for your water sample is PW-16. The water sample collected from your home in May was sent to Pace Analytical Laboratory in Green Bay, Wisconsin, for analysis of 65 individual volatile organic compounds (VOCs). Only one VOC was detected in the sample: 2-propanol (also known as isopropyl alcohol) at 19.2 micrograms per liter ($\mu\text{g}/\ell$), which is equivalent to 19.2 parts per billion (ppb). There is no WDNR state drinking water standard for 2-propanol. However, the USEPA has a screening level of 6,000 ppb for ingestion of 2-propanol by children, and the WDNR has established a health advisory level (HAL) for 2-propanol of 3,000 ppb. The concentration of 2-propanol detected in the water sample from your well is far below the USEPA screening level and WDNR HAL value.

A copy of this letter and the May 2022 lab report are being sent to the WDNR for its records. We thank you for your cooperation. Someone from Gannett Fleming will contact you next spring to schedule a convenient time for us to collect the next sample. In the meantime, if you have any questions regarding the analytical results of the samples collected in May 2022, please call me at the number listed below.

Sincerely,

GANNETT FLEMING, INC.

A handwritten signature in black ink that reads "Anthony W. Miller".

Anthony W. Miller, P.S.S.
Senior Environmental Scientist
awmiller@gfnet.com
Ph: 608-354-7730

AWM/jec/Enc.

ecc: Candice Sykora (WDNR)

June 13, 2022

Tony Miller
Gannett Fleming
8040 Excelsior Drive, Ste 303
Madison, WI 53717

RE: Project: 55929.005 WRR
Pace Project No.: 40245923

Dear Tony Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on June 03, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,



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

Enclosures

cc: Kristin Fischer, Gannett Fleming, Inc.
Marcus Mussey, Gannett Fleming Inc.
Chelsea Payne, Gannett Fleming Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 55929.005 WRR

Pace Project No.: 40245923

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: 55929.005 WRR

Pace Project No.: 40245923

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40245923001	PW-16	Water	05/31/22 18:00	06/03/22 10:00
40245954021	TRIP BLANK	Water	05/31/22 00:00	06/03/22 10:00

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SAMPLE ANALYTE COUNT

Project: 55929.005 WRR
Pace Project No.: 40245923

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40245923001	PW-16	EPA 8260	EIB	69
40245954021	TRIP BLANK	EPA 8260	EIB	69

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 55929.005 WRR

Pace Project No.: 40245923

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40245923001	PW-16					
EPA 8260	2-Propanol	19.2J	ug/L	100	06/06/22 13:00	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40245923

Sample: PW-16 Lab ID: 40245923001 Collected: 05/31/22 18:00 Received: 06/03/22 10:00 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		06/06/22 13:00	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/06/22 13:00	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		06/06/22 13:00	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		06/06/22 13:00	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/06/22 13:00	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/06/22 13:00	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		06/06/22 13:00	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		06/06/22 13:00	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		06/06/22 13:00	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		06/06/22 13:00	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		06/06/22 13:00	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		06/06/22 13:00	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		06/06/22 13:00	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		06/06/22 13:00	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		06/06/22 13:00	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		06/06/22 13:00	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		06/06/22 13:00	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		06/06/22 13:00	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		06/06/22 13:00	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		06/06/22 13:00	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		06/06/22 13:00	594-20-7	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		06/06/22 13:00	78-93-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		06/06/22 13:00	95-49-8	
2-Propanol	19.2J	ug/L	100	9.9	1		06/06/22 13:00	67-63-0	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		06/06/22 13:00	106-43-4	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		06/06/22 13:00	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		06/06/22 13:00	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		06/06/22 13:00	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		06/06/22 13:00	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		06/06/22 13:00	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		06/06/22 13:00	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		06/06/22 13:00	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		06/06/22 13:00	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		06/06/22 13:00	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		06/06/22 13:00	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		06/06/22 13:00	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		06/06/22 13:00	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		06/06/22 13:00	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		06/06/22 13:00	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		06/06/22 13:00	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		06/06/22 13:00	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		06/06/22 13:00	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		06/06/22 13:00	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		06/06/22 13:00	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		06/06/22 13:00	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR
Pace Project No.: 40245923

Sample: PW-16 **Lab ID: 40245923001** Collected: 05/31/22 18:00 Received: 06/03/22 10:00 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									
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		06/06/22 13:00	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		06/06/22 13:00	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		06/06/22 13:00	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		06/06/22 13:00	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/06/22 13:00	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		06/06/22 13:00	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/06/22 13:00	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		06/06/22 13:00	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		06/06/22 13:00	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		06/06/22 13:00	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		06/06/22 13:00	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		06/06/22 13:00	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		06/06/22 13:00	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		06/06/22 13:00	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		06/06/22 13:00	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		06/06/22 13:00	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		06/06/22 13:00	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		06/06/22 13:00	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		06/06/22 13:00	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		06/06/22 13:00	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		06/06/22 13:00	10061-02-6	
Surrogates									
Toluene-d8 (S)	99	%	70-130		1		06/06/22 13:00	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1		06/06/22 13:00	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		06/06/22 13:00	2199-69-1	

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40245923

Sample: TRIP BLANK **Lab ID: 40245954021** Collected: 05/31/22 00:00 Received: 06/03/22 10:00 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		06/07/22 18:48	630-20-6	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		06/07/22 18:48	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		06/07/22 18:48	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		06/07/22 18:48	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		06/07/22 18:48	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		06/07/22 18:48	75-35-4	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		06/07/22 18:48	563-58-6	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		06/07/22 18:48	87-61-6	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		06/07/22 18:48	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		06/07/22 18:48	120-82-1	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		06/07/22 18:48	95-63-6	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		06/07/22 18:48	96-12-8	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		06/07/22 18:48	106-93-4	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		06/07/22 18:48	95-50-1	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		06/07/22 18:48	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		06/07/22 18:48	78-87-5	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		06/07/22 18:48	108-67-8	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		06/07/22 18:48	541-73-1	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		06/07/22 18:48	142-28-9	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		06/07/22 18:48	106-46-7	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		06/07/22 18:48	594-20-7	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		06/07/22 18:48	78-93-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		06/07/22 18:48	95-49-8	
2-Propanol	<9.9	ug/L	100	9.9	1		06/07/22 18:48	67-63-0	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		06/07/22 18:48	106-43-4	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		06/07/22 18:48	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		06/07/22 18:48	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		06/07/22 18:48	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		06/07/22 18:48	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		06/07/22 18:48	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		06/07/22 18:48	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		06/07/22 18:48	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		06/07/22 18:48	74-83-9	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		06/07/22 18:48	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		06/07/22 18:48	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		06/07/22 18:48	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		06/07/22 18:48	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		06/07/22 18:48	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		06/07/22 18:48	124-48-1	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		06/07/22 18:48	74-95-3	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		06/07/22 18:48	75-71-8	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		06/07/22 18:48	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		06/07/22 18:48	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		06/07/22 18:48	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		06/07/22 18:48	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 55929.005 WRR

Pace Project No.: 40245923

Sample: TRIP BLANK **Lab ID: 40245954021** Collected: 05/31/22 00:00 Received: 06/03/22 10:00 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									
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		06/07/22 18:48	1634-04-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		06/07/22 18:48	75-09-2	
Naphthalene	<1.1	ug/L	5.0	1.1	1		06/07/22 18:48	91-20-3	
Styrene	<0.36	ug/L	1.0	0.36	1		06/07/22 18:48	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		06/07/22 18:48	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		06/07/22 18:48	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		06/07/22 18:48	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		06/07/22 18:48	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		06/07/22 18:48	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		06/07/22 18:48	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		06/07/22 18:48	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		06/07/22 18:48	10061-01-5	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		06/07/22 18:48	179601-23-1	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		06/07/22 18:48	104-51-8	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		06/07/22 18:48	103-65-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		06/07/22 18:48	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		06/07/22 18:48	99-87-6	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		06/07/22 18:48	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		06/07/22 18:48	98-06-6	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		06/07/22 18:48	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		06/07/22 18:48	10061-02-6	
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		06/07/22 18:48	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		1		06/07/22 18:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		06/07/22 18:48	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40245923

QC Batch: 417452 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40245923001

METHOD BLANK: 2404177 Matrix: Water
Associated Lab Samples: 40245923001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	06/06/22 09:15	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	06/06/22 09:15	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	06/06/22 09:15	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	06/06/22 09:15	
1,1-Dichloroethane	ug/L	<0.30	1.0	06/06/22 09:15	
1,1-Dichloroethene	ug/L	<0.58	1.0	06/06/22 09:15	
1,1-Dichloropropene	ug/L	<0.41	1.0	06/06/22 09:15	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	06/06/22 09:15	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	06/06/22 09:15	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	06/06/22 09:15	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	06/06/22 09:15	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	06/06/22 09:15	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	06/06/22 09:15	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	06/06/22 09:15	
1,2-Dichloroethane	ug/L	<0.29	1.0	06/06/22 09:15	
1,2-Dichloropropane	ug/L	<0.45	1.0	06/06/22 09:15	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	06/06/22 09:15	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	06/06/22 09:15	
1,3-Dichloropropane	ug/L	<0.30	1.0	06/06/22 09:15	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	06/06/22 09:15	
2,2-Dichloropropane	ug/L	<4.2	5.0	06/06/22 09:15	
2-Butanone (MEK)	ug/L	<6.5	25.0	06/06/22 09:15	
2-Chlorotoluene	ug/L	<0.89	5.0	06/06/22 09:15	
2-Propanol	ug/L	<9.9	100	06/06/22 09:15	
4-Chlorotoluene	ug/L	<0.89	5.0	06/06/22 09:15	
4-Methyl-2-pentanone (MIBK)	ug/L	<6.0	25.0	06/06/22 09:15	
Acetone	ug/L	<8.6	25.0	06/06/22 09:15	
Benzene	ug/L	<0.30	1.0	06/06/22 09:15	
Bromobenzene	ug/L	<0.36	1.0	06/06/22 09:15	
Bromochloromethane	ug/L	<0.36	5.0	06/06/22 09:15	
Bromodichloromethane	ug/L	<0.42	1.0	06/06/22 09:15	
Bromoform	ug/L	<3.8	5.0	06/06/22 09:15	
Bromomethane	ug/L	<1.2	5.0	06/06/22 09:15	
Carbon tetrachloride	ug/L	<0.37	1.0	06/06/22 09:15	
Chlorobenzene	ug/L	<0.86	1.0	06/06/22 09:15	
Chloroethane	ug/L	<1.4	5.0	06/06/22 09:15	
Chloroform	ug/L	<1.2	5.0	06/06/22 09:15	
Chloromethane	ug/L	<1.6	5.0	06/06/22 09:15	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	06/06/22 09:15	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	06/06/22 09:15	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40245923

METHOD BLANK: 2404177

Matrix: Water

Associated Lab Samples: 40245923001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	<2.6	5.0	06/06/22 09:15	
Dibromomethane	ug/L	<0.99	5.0	06/06/22 09:15	
Dichlorodifluoromethane	ug/L	<0.46	5.0	06/06/22 09:15	
Diisopropyl ether	ug/L	<1.1	5.0	06/06/22 09:15	
Ethylbenzene	ug/L	<0.33	1.0	06/06/22 09:15	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	06/06/22 09:15	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	06/06/22 09:15	
m&p-Xylene	ug/L	<0.70	2.0	06/06/22 09:15	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	06/06/22 09:15	
Methylene Chloride	ug/L	<0.32	5.0	06/06/22 09:15	
n-Butylbenzene	ug/L	<0.86	1.0	06/06/22 09:15	
n-Propylbenzene	ug/L	<0.35	1.0	06/06/22 09:15	
Naphthalene	ug/L	<1.1	5.0	06/06/22 09:15	
o-Xylene	ug/L	<0.35	1.0	06/06/22 09:15	
p-Isopropyltoluene	ug/L	<1.0	5.0	06/06/22 09:15	
sec-Butylbenzene	ug/L	<0.42	1.0	06/06/22 09:15	
Styrene	ug/L	<0.36	1.0	06/06/22 09:15	
tert-Butylbenzene	ug/L	<0.59	1.0	06/06/22 09:15	
Tetrachloroethene	ug/L	<0.41	1.0	06/06/22 09:15	
Toluene	ug/L	<0.29	1.0	06/06/22 09:15	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	06/06/22 09:15	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	06/06/22 09:15	
Trichloroethene	ug/L	<0.32	1.0	06/06/22 09:15	
Trichlorofluoromethane	ug/L	<0.42	1.0	06/06/22 09:15	
Vinyl chloride	ug/L	<0.17	1.0	06/06/22 09:15	
Xylene (Total)	ug/L	<1.0	3.0	06/06/22 09:15	
1,2-Dichlorobenzene-d4 (S)	%	106	70-130	06/06/22 09:15	
4-Bromofluorobenzene (S)	%	103	70-130	06/06/22 09:15	
Toluene-d8 (S)	%	97	70-130	06/06/22 09:15	

LABORATORY CONTROL SAMPLE: 2404178

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.0	108	70-134	
1,1,1,2-Tetrachloroethane	ug/L	50	49.4	99	69-130	
1,1,2-Trichloroethane	ug/L	50	47.1	94	70-130	
1,1-Dichloroethane	ug/L	50	52.7	105	70-130	
1,1-Dichloroethene	ug/L	50	51.4	103	74-131	
1,2,4-Trichlorobenzene	ug/L	50	48.9	98	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	50.1	100	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	46.2	92	70-130	
1,2-Dichlorobenzene	ug/L	50	49.2	98	70-130	
1,2-Dichloroethane	ug/L	50	49.6	99	70-137	
1,2-Dichloropropane	ug/L	50	52.7	105	80-121	

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40245923

LABORATORY CONTROL SAMPLE: 2404178

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/L	50	49.2	98	70-130	
1,4-Dichlorobenzene	ug/L	50	47.8	96	70-130	
Benzene	ug/L	50	52.7	105	70-130	
Bromodichloromethane	ug/L	50	51.5	103	70-130	
Bromoform	ug/L	50	46.9	94	70-130	
Bromomethane	ug/L	50	34.7	69	21-147	
Carbon tetrachloride	ug/L	50	56.6	113	80-146	
Chlorobenzene	ug/L	50	49.2	98	70-130	
Chloroethane	ug/L	50	57.7	115	52-165	
Chloroform	ug/L	50	53.4	107	80-123	
Chloromethane	ug/L	50	34.4	69	51-122	
cis-1,2-Dichloroethene	ug/L	50	48.5	97	70-130	
cis-1,3-Dichloropropene	ug/L	50	48.5	97	70-130	
Dibromochloromethane	ug/L	50	45.8	92	70-130	
Dichlorodifluoromethane	ug/L	50	17.4	35	25-121	
Ethylbenzene	ug/L	50	53.5	107	80-120	
Isopropylbenzene (Cumene)	ug/L	50	53.8	108	70-130	
m&p-Xylene	ug/L	100	106	106	70-130	
Methyl-tert-butyl ether	ug/L	50	47.5	95	70-130	
Methylene Chloride	ug/L	50	51.7	103	70-130	
o-Xylene	ug/L	50	51.8	104	70-130	
Styrene	ug/L	50	52.1	104	70-130	
Tetrachloroethene	ug/L	50	50.6	101	70-130	
Toluene	ug/L	50	49.6	99	80-120	
trans-1,2-Dichloroethene	ug/L	50	50.8	102	70-130	
trans-1,3-Dichloropropene	ug/L	50	39.4	79	70-130	
Trichloroethene	ug/L	50	52.5	105	70-130	
Trichlorofluoromethane	ug/L	50	45.7	91	65-160	
Vinyl chloride	ug/L	50	39.1	78	63-134	
Xylene (Total)	ug/L	150	158	105	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2404350 2404351

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40245923001 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	<0.30	50	50	53.3	53.2	107	106	70-134	0	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	50.5	50.7	101	101	61-135	0	20		
1,1,2-Trichloroethane	ug/L	<0.34	50	50	47.5	48.4	95	97	70-130	2	20		
1,1-Dichloroethane	ug/L	<0.30	50	50	52.8	51.6	106	103	70-130	2	20		
1,1-Dichloroethene	ug/L	<0.58	50	50	51.8	50.5	104	101	71-130	2	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	51.7	51.5	103	103	68-131	1	20		

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40245923

Parameter	Units	2404350		2404351		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40245923001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	53.0	51.3	106	103	51-141	3	20		
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	48.1	48.3	96	97	70-130	0	20		
1,2-Dichlorobenzene	ug/L	<0.33	50	50	51.7	50.4	103	101	70-130	2	20		
1,2-Dichloroethane	ug/L	<0.29	50	50	49.5	48.7	99	97	70-137	1	20		
1,2-Dichloropropane	ug/L	<0.45	50	50	52.6	50.9	105	102	80-121	3	20		
1,3-Dichlorobenzene	ug/L	<0.35	50	50	50.9	50.9	102	102	70-130	0	20		
1,4-Dichlorobenzene	ug/L	<0.89	50	50	50.0	48.9	100	98	70-130	2	20		
Benzene	ug/L	<0.30	50	50	52.8	51.4	106	103	70-130	3	20		
Bromodichloromethane	ug/L	<0.42	50	50	50.3	48.7	101	97	70-130	3	20		
Bromoform	ug/L	<3.8	50	50	48.2	50.2	96	100	70-133	4	20		
Bromomethane	ug/L	<1.2	50	50	37.6	35.7	75	71	21-149	5	22		
Carbon tetrachloride	ug/L	<0.37	50	50	56.2	54.3	112	109	80-146	3	20		
Chlorobenzene	ug/L	<0.86	50	50	50.7	51.4	101	103	70-130	1	20		
Chloroethane	ug/L	<1.4	50	50	56.6	51.3	113	103	52-165	10	20		
Chloroform	ug/L	<1.2	50	50	52.4	51.3	105	103	80-123	2	20		
Chloromethane	ug/L	<1.6	50	50	32.1	31.9	64	64	42-125	0	20		
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	48.5	47.5	97	95	70-130	2	20		
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	49.1	48.5	98	97	70-130	1	20		
Dibromochloromethane	ug/L	<2.6	50	50	47.8	48.0	96	96	70-130	0	20		
Dichlorodifluoromethane	ug/L	<0.46	50	50	17.7	16.1	35	32	25-121	9	20		
Ethylbenzene	ug/L	<0.33	50	50	54.1	54.5	108	109	80-121	1	20		
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	54.9	55.5	110	111	70-130	1	20		
m&p-Xylene	ug/L	<0.70	100	100	107	108	107	108	70-130	1	20		
Methyl-tert-butyl ether	ug/L	<1.1	50	50	47.3	47.1	95	94	70-130	0	20		
Methylene Chloride	ug/L	<0.32	50	50	53.1	50.8	106	102	70-130	4	20		
o-Xylene	ug/L	<0.35	50	50	53.2	52.8	106	106	70-130	1	20		
Styrene	ug/L	<0.36	50	50	53.5	53.6	107	107	70-132	0	20		
Tetrachloroethene	ug/L	<0.41	50	50	51.8	52.6	104	105	70-130	1	20		
Toluene	ug/L	<0.29	50	50	50.0	50.0	100	100	80-120	0	20		
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	51.0	50.9	102	102	70-130	0	20		
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	40.9	40.6	82	81	70-130	1	20		
Trichloroethene	ug/L	<0.32	50	50	52.6	50.6	105	101	70-130	4	20		
Trichlorofluoromethane	ug/L	<0.42	50	50	46.5	45.1	93	90	65-160	3	20		
Vinyl chloride	ug/L	<0.17	50	50	39.0	37.6	78	75	60-137	4	20		
Xylene (Total)	ug/L	<1.0	150	150	160	161	107	107	70-130	0	20		
1,2-Dichlorobenzene-d4 (S)	%						101	102	70-130				
4-Bromofluorobenzene (S)	%						108	108	70-130				
Toluene-d8 (S)	%						97	98	70-130				

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40245923

QC Batch: 417570 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Oxygenates
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40245954021

METHOD BLANK: 2404599 Matrix: Water
Associated Lab Samples: 40245954021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	06/07/22 16:04	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	06/07/22 16:04	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	06/07/22 16:04	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	06/07/22 16:04	
1,1-Dichloroethane	ug/L	<0.30	1.0	06/07/22 16:04	
1,1-Dichloroethene	ug/L	<0.58	1.0	06/07/22 16:04	
1,1-Dichloropropene	ug/L	<0.41	1.0	06/07/22 16:04	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	06/07/22 16:04	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	06/07/22 16:04	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	06/07/22 16:04	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	06/07/22 16:04	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	06/07/22 16:04	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	06/07/22 16:04	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	06/07/22 16:04	
1,2-Dichloroethane	ug/L	<0.29	1.0	06/07/22 16:04	
1,2-Dichloropropane	ug/L	<0.45	1.0	06/07/22 16:04	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	06/07/22 16:04	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	06/07/22 16:04	
1,3-Dichloropropane	ug/L	<0.30	1.0	06/07/22 16:04	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	06/07/22 16:04	
2,2-Dichloropropane	ug/L	<4.2	5.0	06/07/22 16:04	
2-Butanone (MEK)	ug/L	<6.5	25.0	06/07/22 16:04	
2-Chlorotoluene	ug/L	<0.89	5.0	06/07/22 16:04	
2-Propanol	ug/L	<9.9	100	06/07/22 16:04	
4-Chlorotoluene	ug/L	<0.89	5.0	06/07/22 16:04	
4-Methyl-2-pentanone (MIBK)	ug/L	<6.0	25.0	06/07/22 16:04	
Acetone	ug/L	<8.6	25.0	06/07/22 16:04	
Benzene	ug/L	<0.30	1.0	06/07/22 16:04	
Bromobenzene	ug/L	<0.36	1.0	06/07/22 16:04	
Bromochloromethane	ug/L	<0.36	5.0	06/07/22 16:04	
Bromodichloromethane	ug/L	<0.42	1.0	06/07/22 16:04	
Bromoform	ug/L	<3.8	5.0	06/07/22 16:04	
Bromomethane	ug/L	<1.2	5.0	06/07/22 16:04	
Carbon tetrachloride	ug/L	<0.37	1.0	06/07/22 16:04	
Chlorobenzene	ug/L	<0.86	1.0	06/07/22 16:04	
Chloroethane	ug/L	<1.4	5.0	06/07/22 16:04	
Chloroform	ug/L	<1.2	5.0	06/07/22 16:04	
Chloromethane	ug/L	<1.6	5.0	06/07/22 16:04	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	06/07/22 16:04	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	06/07/22 16:04	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40245923

METHOD BLANK: 2404599

Matrix: Water

Associated Lab Samples: 40245954021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	<2.6	5.0	06/07/22 16:04	
Dibromomethane	ug/L	<0.99	5.0	06/07/22 16:04	
Dichlorodifluoromethane	ug/L	<0.46	5.0	06/07/22 16:04	
Diisopropyl ether	ug/L	<1.1	5.0	06/07/22 16:04	
Ethylbenzene	ug/L	<0.33	1.0	06/07/22 16:04	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	06/07/22 16:04	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	06/07/22 16:04	
m&p-Xylene	ug/L	<0.70	2.0	06/07/22 16:04	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	06/07/22 16:04	
Methylene Chloride	ug/L	<0.32	5.0	06/07/22 16:04	
n-Butylbenzene	ug/L	<0.86	1.0	06/07/22 16:04	
n-Propylbenzene	ug/L	<0.35	1.0	06/07/22 16:04	
Naphthalene	ug/L	<1.1	5.0	06/07/22 16:04	
o-Xylene	ug/L	<0.35	1.0	06/07/22 16:04	
p-Isopropyltoluene	ug/L	<1.0	5.0	06/07/22 16:04	
sec-Butylbenzene	ug/L	<0.42	1.0	06/07/22 16:04	
Styrene	ug/L	<0.36	1.0	06/07/22 16:04	
tert-Butylbenzene	ug/L	<0.59	1.0	06/07/22 16:04	
Tetrachloroethene	ug/L	<0.41	1.0	06/07/22 16:04	
Toluene	ug/L	<0.29	1.0	06/07/22 16:04	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	06/07/22 16:04	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	06/07/22 16:04	
Trichloroethene	ug/L	<0.32	1.0	06/07/22 16:04	
Trichlorofluoromethane	ug/L	<0.42	1.0	06/07/22 16:04	
Vinyl chloride	ug/L	<0.17	1.0	06/07/22 16:04	
Xylene (Total)	ug/L	<1.0	3.0	06/07/22 16:04	
1,2-Dichlorobenzene-d4 (S)	%	105	70-130	06/07/22 16:04	
4-Bromofluorobenzene (S)	%	101	70-130	06/07/22 16:04	
Toluene-d8 (S)	%	99	70-130	06/07/22 16:04	

LABORATORY CONTROL SAMPLE: 2404600

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.1	104	70-134	
1,1,1,2-Tetrachloroethane	ug/L	50	50.6	101	69-130	
1,1,2-Trichloroethane	ug/L	50	48.3	97	70-130	
1,1-Dichloroethane	ug/L	50	53.0	106	70-130	
1,1-Dichloroethene	ug/L	50	52.5	105	74-131	
1,2,4-Trichlorobenzene	ug/L	50	49.6	99	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	52.6	105	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	47.4	95	70-130	
1,2-Dichlorobenzene	ug/L	50	52.1	104	70-130	
1,2-Dichloroethane	ug/L	50	48.9	98	70-137	
1,2-Dichloropropane	ug/L	50	52.3	105	80-121	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 55929.005 WRR

Pace Project No.: 40245923

LABORATORY CONTROL SAMPLE: 2404600

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/L	50	50.4	101	70-130	
1,4-Dichlorobenzene	ug/L	50	49.3	99	70-130	
Benzene	ug/L	50	52.4	105	70-130	
Bromodichloromethane	ug/L	50	49.4	99	70-130	
Bromoform	ug/L	50	47.3	95	70-130	
Bromomethane	ug/L	50	35.3	71	21-147	
Carbon tetrachloride	ug/L	50	56.0	112	80-146	
Chlorobenzene	ug/L	50	52.3	105	70-130	
Chloroethane	ug/L	50	48.5	97	52-165	
Chloroform	ug/L	50	52.6	105	80-123	
Chloromethane	ug/L	50	31.5	63	51-122	
cis-1,2-Dichloroethene	ug/L	50	47.4	95	70-130	
cis-1,3-Dichloropropene	ug/L	50	47.2	94	70-130	
Dibromochloromethane	ug/L	50	46.4	93	70-130	
Dichlorodifluoromethane	ug/L	50	14.2	28	25-121	
Ethylbenzene	ug/L	50	55.7	111	80-120	
Isopropylbenzene (Cumene)	ug/L	50	56.5	113	70-130	
m&p-Xylene	ug/L	100	111	111	70-130	
Methyl-tert-butyl ether	ug/L	50	45.0	90	70-130	
Methylene Chloride	ug/L	50	54.2	108	70-130	
o-Xylene	ug/L	50	53.9	108	70-130	
Styrene	ug/L	50	54.4	109	70-130	
Tetrachloroethene	ug/L	50	51.8	104	70-130	
Toluene	ug/L	50	51.8	104	80-120	
trans-1,2-Dichloroethene	ug/L	50	48.2	96	70-130	
trans-1,3-Dichloropropene	ug/L	50	39.0	78	70-130	
Trichloroethene	ug/L	50	50.5	101	70-130	
Trichlorofluoromethane	ug/L	50	46.1	92	65-160	
Vinyl chloride	ug/L	50	37.3	75	63-134	
Xylene (Total)	ug/L	150	165	110	70-130	
1,2-Dichlorobenzene-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			105	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2405085 2405086

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40245954024 Result	Spike Conc.	Spike Conc.	Result								
1,1,1-Trichloroethane	ug/L	<0.30	50	50	52.3	53.7	105	107	70-134	3	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	50.4	49.7	101	99	61-135	1	20		
1,1,2-Trichloroethane	ug/L	<0.34	50	50	47.4	47.4	95	95	70-130	0	20		
1,1,2-Dichloroethane	ug/L	10.3	50	50	63.6	64.4	107	108	70-130	1	20		
1,1-Dichloroethene	ug/L	<0.58	50	50	53.0	53.9	106	108	71-130	2	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	47.4	48.9	95	98	68-131	3	20		

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QUALITY CONTROL DATA

Project: 55929.005 WRR
Pace Project No.: 40245923

Parameter	Units	2405085		2405086		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40245954024 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	50.8	49.7	102	99	51-141	2	20
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	47.3	47.7	95	95	70-130	1	20
1,2-Dichlorobenzene	ug/L	<0.33	50	50	50.1	50.1	100	100	70-130	0	20
1,2-Dichloroethane	ug/L	0.37J	50	50	50.5	49.9	100	99	70-137	1	20
1,2-Dichloropropane	ug/L	<0.45	50	50	53.2	54.1	106	108	80-121	2	20
1,3-Dichlorobenzene	ug/L	<0.35	50	50	50.6	51.4	101	103	70-130	2	20
1,4-Dichlorobenzene	ug/L	<0.89	50	50	48.0	49.6	96	99	70-130	3	20
Benzene	ug/L	0.37J	50	50	53.0	54.8	105	109	70-130	3	20
Bromodichloromethane	ug/L	<0.42	50	50	49.9	51.4	100	103	70-130	3	20
Bromoform	ug/L	<3.8	50	50	46.6	47.6	93	95	70-133	2	20
Bromomethane	ug/L	<1.2	50	50	38.0	38.5	76	77	21-149	1	22
Carbon tetrachloride	ug/L	<0.37	50	50	55.8	56.7	112	113	80-146	2	20
Chlorobenzene	ug/L	<0.86	50	50	52.7	53.1	105	106	70-130	1	20
Chloroethane	ug/L	2.8J	50	50	52.9	52.6	100	100	52-165	1	20
Chloroform	ug/L	<1.2	50	50	52.2	53.4	104	107	80-123	2	20
Chloromethane	ug/L	<1.6	50	50	30.3	30.4	61	61	42-125	0	20
cis-1,2-Dichloroethene	ug/L	4.2	50	50	52.2	52.3	96	96	70-130	0	20
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	47.4	49.5	95	99	70-130	4	20
Dibromochloromethane	ug/L	<2.6	50	50	47.8	47.4	96	95	70-130	1	20
Dichlorodifluoromethane	ug/L	<0.46	50	50	15.5	15.4	31	31	25-121	1	20
Ethylbenzene	ug/L	5.6	50	50	62.8	63.3	114	115	80-121	1	20
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	56.4	56.5	113	113	70-130	0	20
m&p-Xylene	ug/L	1.9J	100	100	115	115	113	113	70-130	0	20
Methyl-tert-butyl ether	ug/L	<1.1	50	50	45.8	46.6	92	93	70-130	2	20
Methylene Chloride	ug/L	<0.32	50	50	54.4	55.9	109	112	70-130	3	20
o-Xylene	ug/L	0.37J	50	50	55.2	55.8	110	111	70-130	1	20
Styrene	ug/L	<0.36	50	50	54.7	55.2	109	110	70-132	1	20
Tetrachloroethene	ug/L	<0.41	50	50	53.0	53.3	106	107	70-130	0	20
Toluene	ug/L	0.34J	50	50	52.0	52.1	103	103	80-120	0	20
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	51.4	51.2	103	102	70-130	0	20
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	41.0	40.3	82	81	70-130	2	20
Trichloroethene	ug/L	1.1	50	50	52.6	53.5	103	105	70-130	2	20
Trichlorofluoromethane	ug/L	<0.42	50	50	46.1	47.3	92	95	65-160	3	20
Vinyl chloride	ug/L	17.8	50	50	54.3	55.9	73	76	60-137	3	20
Xylene (Total)	ug/L	2.3J	150	150	170	171	112	112	70-130	0	20
1,2-Dichlorobenzene-d4 (S)	%						99	99	70-130		
4-Bromofluorobenzene (S)	%						104	104	70-130		
Toluene-d8 (S)	%						101	100	70-130		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 55929.005 WRR

Pace Project No.: 40245923

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 55929.005 WRR

Pace Project No.: 40245923

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40245923001	PW-16	EPA 8260	417452		
40245954021	TRIP BLANK	EPA 8260	417570		

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CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

40245923

ALL SHADED AREAS are for LAB USE ONLY

Company: Gannett Fleming Billing Information: See Report

Address: 8040 Excelsior Dr.

Report To: Anthony Miller Email To: awmiller@gfnet.com

Copy To: _____ Site Collection Info/Address: _____

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Customer Project Name/Number: WFR 55929.005 State: WI County/City: Eau Claire Time Zone Collected: [] PT [] MT [X] CT [] ET

Phone: 608-354-7759 Site/Facility ID #: 55929.005 Compliance Monitoring? [X] Yes [] No

Collected By (print): Kristin Fischer Purchase Order #: Quote #: PACE 2022 DW PWS ID #: _____ DW Location Code: _____

Collected By (signature): Kristin Fischer Turnaround Date Required: Standard Immediately Packed on Ice: [X] Yes [] No

Sample Disposal: _____ Rush: [] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] 5 Day Field Filtered (if applicable): [] Yes [X] No

[] Dispose as appropriate [] Return [] Archive: _____ [] Hold: _____ (Expedite Charges Apply) Analysis: _____

Analyses										Lab Profile/Line:	
<p>LAB USE ONLY: Lab Sample # / Comments:</p>										Lab Sample Receipt Checklist:	
										Custody Seals Present/Intact	Y N NA
										Custody Signatures Present	Y N NA
										Collector Signature Present	Y N NA
										Bottles Intact	Y N NA
										Correct Bottles	Y N NA
										Sufficient Volume	Y N NA
										Samples Received on Ice	Y N NA
										VOA - Headspace Acceptable	Y N NA
										USDA Regulated Soils	Y N NA
										Samples in Holding Time	Y N NA
										Residual Chlorine Present	Y N NA
										Cl Strips: _____	
										Sample pH Acceptable	Y N NA
										pH Strips: _____	
Sulfide Present	Y N NA										
Lead Acetate Strips: _____											

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
<u>9W-16</u>	<u>GW</u>	<u>Grab</u>	<u>5/31</u>	<u>18:00</u>				<u>3</u>
<u>Trip Blank</u>								

Customer Remarks / Special Conditions / Possible Hazards: _____

Type of Ice Used: Wet Blue Dry None

Packing Material Used: _____

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2767595

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: _____

Therm ID#: _____

Cooler 1 Temp Upon Receipt: _____ °C

Cooler 1 Therm Corr. Factor: _____ °C

Cooler 1 Corrected Temp: _____ °C

Comments: _____

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	MTJL LAB USE ONLY Table #: Acctnum: Template: Prelogin: PM: PB:
Relinquished by/Company: (Signature)	Date/Time: <u>6/3/22 1000</u>	Received by/Company: (Signature)	Date/Time: <u>1000 6/3/22</u>	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 20 of 22

Client Name: Gannett Fleming Project # 4045923

Sample Preservation Receipt Form

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

Initial when completed: Date/ Time:

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


Pace Lab #	Glass							Plastic					Vials				Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)												
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU								WPFU	SP5T	ZPLC	GN								
001																																									
002																																									2.5 / 5 / 10
003																																								2.5 / 5 / 10	
004																																								2.5 / 5 / 10	
005																																								2.5 / 5 / 10	
006																																								2.5 / 5 / 10	
007																																								2.5 / 5 / 10	
008																																								2.5 / 5 / 10	
009																																								2.5 / 5 / 10	
010																																								2.5 / 5 / 10	
011																																								2.5 / 5 / 10	
012																																								2.5 / 5 / 10	
013																																								2.5 / 5 / 10	
014																																								2.5 / 5 / 10	
015																																								2.5 / 5 / 10	
016																																								2.5 / 5 / 10	
017																																								2.5 / 5 / 10	
018																																								2.5 / 5 / 10	
019																																								2.5 / 5 / 10	
020																																								2.5 / 5 / 10	

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

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

Sample Condition Upon Receipt Form (SCUR)

Client Name: Gannett Fleming
 Courier: CS Logistics Fed Ex Speedee UPS Waltco
 Client Pace Other: _____

Project #: _____
WO#: 40245923

 40245923

Tracking #: 273853523847
 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-116 Type of Ice: Wet Blue Dry None

Cooler Temperature Uncorr: 0 / Corr: 0.1 Samples on ice, cooling process has begun
 Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 6/3/22 Initials: MP
 Labeled By Initials: mt

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>+ 2 CC 6/3/22 mp</u>
Chain of Custody Filled Out: <u>6/3/22 mp</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>analyses, pg#, preservation 6/3/22 mp</u>
Chain of Custody Relinquished: <u>6/3/22 mp</u> <input checked="" type="checkbox"/> Yes <input checked="" 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: <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	8.
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. <u>6/3/22 mp</u>
-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): _____	

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

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample login
 Page 2 of 2