

1801 Old Highway 8 Northwest, Suite 114
St. Paul, Minnesota 55112
United States
www.ghd.com



Our ref: 11115796

May 24, 2021

Mr. Phil Richard
Wisconsin Department of Natural Resources
875 S. 4th Ave
Park Falls, Wisconsin 54552

**Groundwater Monitoring, April 2021
Rhineland Landfill (#00686)**

Dear Mr. Richard:

On behalf of the Rhineland Landfill Group (RLG), GHD Services, Inc. (GHD) is submitting the semi-annual sampling results for the April 2021 sampling event for the Rhineland Landfill in Rhineland, Wisconsin.

The April 2021 sampling event was conducted on April 6, 2021. Sampling activities were conducted according to the specifications agreed upon in the Groundwater Monitoring Plan sent by the Wisconsin Department of Natural Resources (WDNR) in a letter to the City of Rhineland dated April 29, 2016.

A total of eight monitoring wells (MW-2A, MW-2B, MW-16A, MW-16B, MW-16C, NW-20A, MW-20B, and MW-20C) were sampled as a part of the sampling event. MW-28A was scheduled to be sampled but was inaccessible due to spring flooding. Figure 1 presents the location of the monitoring wells. The results from the sampling event are consistent with historical results.

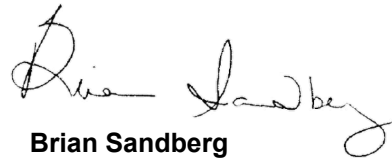
The WDNR Form 4400-231 (Environmental Monitoring Data Certification) is presented as Attachment A. A table of Enforcement Standard and Preventative Action Limit exceedances is presented in Attachment B. The laboratory analytical report is presented as Attachment C.

The data from the sampling round was sent to the Groundwater Environmental Monitoring System (GEMS) database via compact disk.

Regards



Ryan Aamot
+1 612 524-6855
ryan.aamot@ghd.com



Brian Sandberg

RA/ds/8

Encl: Figure 1 - Monitoring Well Locations
Attachment A WDNR Form 4400-231 (Environmental Monitoring Data Certification)
Attachment B - Table of Enforcement Standard and Preventative Action Limit exceedances
Attachment C - Laboratory Analytical Report

cc: Jacob Curtis, von Briesen & Roper, s.c. (via email)
Zach Vruwink, City of Rhinelander (via email)
Chris Frederickson, City of Rhinelander (via email)
Phil Slowiak, International Paper (via email)
Brian Heim, International Paper (via email)
Bruce White, Barnes & Thornburg (via email)



Source: Sand Creek Consultants, Inc.; Oneida County GIS



LEGEND

- MONITORING WELL LOCATION
- ⊙ MONITORING WELL (NOT PART OF MONITORING NETWORK)
- ▭ APPROXIMATE EDGE OF WASTE
- ⌘ SITE PROPERTY BOUNDARY



FORMER CITY OF RHINELANDER LANDFILL
RHINELANDER, WISCONSIN
GROUNDWATER MONITORING - APRIL 2021

MONITORING WELL LOCATIONS

11115796-20

May 21, 2021

FIGURE 1

Attachment A

WDNR Form 4400 231

**(Environmental Monitoring Data
Certification)**

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats. When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats

Instructions:

- Prepare one form for each license or monitoring ID.
- Please type or print legibly.
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to:

GEMS Data Submittal Contact - WA/5
Wisconsin Department of Natural Resources
P.O. Box 7921
Madison, WI 53707-7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner)
GHD Services, Inc.

Contact for questions about data formatting. Include data preparer's name, telephone number and Email address:

Name Dan Milewsky / Pace Analytical	Phone No. (include area code) (920) 412-8566
Email Dan.Milewsky@pacelabs.com	

Facility Name Former City of Rhinelander Landfill	License # / Monitoring ID 00686	Facility ID (FID)
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Actual sampling dates (e.g., July 2-6, 2003) April 6, 2021	The enclosed results are for sampling required in the month(s) of: (e.g., June 2003) April 2021
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Type of Data Submitted (Check all that apply):

- | | |
|---|--|
| <input checked="" type="checkbox"/> Groundwater monitoring data from monitoring wells | <input type="checkbox"/> Gas monitoring data |
| <input type="checkbox"/> Groundwater monitoring data from private water supply wells | <input type="checkbox"/> Air monitoring data |
| <input type="checkbox"/> Leachate monitoring data | <input type="checkbox"/> Other (specify): |

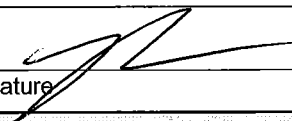
Notification attached?

- No. No groundwater standards or explosive gas limits were exceeded.
- Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration.
- Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards.

Facility Representative Name (Print) Ryan Aamot	Title Project Manager	Phone No. (include area code) (612) 524-6855
--	--------------------------	---

Signature 

Date Signed (mm/dd/yyyy)
5/12/2021

For DNR Use Only

Check action taken, and record date and your initials. Describe on back side if necessary.

Found uploading problems on _____ Initials _____

Notified contact of problems on _____ Uploaded data successfully on _____

EDD format(s): Diskette CD (initial submittal and follow-up) E-mail (follow-up only) Other: _____

Attachment B

Enforcement Standard and Preventative Action Limit Exceedances

Smp Date	SPN	PCN	RV	Units	Type	Location	Lab Number	Sample ID	MSI	Parameter	PAL	ES
4/6/2021	007	34030	16.1	ug/L	ES		224582009	MW-2A	01	Benzene	0.5	5
4/6/2021	007	00610	271	mg/L	ES		224582009	MW-2A	01	Nitrogen, Ammonia	0.97	9.7
4/6/2021	007	81607	172	ug/L	ES		224582009	MW-2A	01	Tetrahydrofuran	10	50
4/6/2021	069	34030	J 0.61	ug/L	PAL		224582001	MW-16A	01	Benzene	0.5	5
4/6/2021	069	39175	J 0.82	ug/L	ES		224582001	MW-16A	01	Vinyl chloride	0.02	0.2
4/6/2021	069	34030	J 0.57	ug/L	PAL		224582002	MW-16A DUP	02	Benzene	0.5	5
4/6/2021	069	39175	J 0.83	ug/L	ES		224582002	MW-16A DUP	02	Vinyl chloride	0.02	0.2
4/6/2021	071	34030	J 0.71	ug/L	PAL		224582003	MW-16B	01	Benzene	0.5	5
4/6/2021	071	39175	J 0.71	ug/L	ES		224582003	MW-16B	01	Vinyl chloride	0.02	0.2
4/6/2021	073	34030	J 0.84	ug/L	PAL		224582005	MW-16C	01	Benzene	0.5	5
4/6/2021	073	39175	J 0.61	ug/L	ES		224582005	MW-16C	01	Vinyl chloride	0.02	0.2
4/6/2021	093	34030	1.5	ug/L	PAL		224582008	MW-20A	01	Benzene	0.5	5
4/6/2021	093	34696	14.7	ug/L	PAL		224582008	MW-20A	01	Naphthalene	10	100
4/6/2021	095	34030	J 0.55	ug/L	PAL		224582007	MW-20B	01	Benzene	0.5	5
4/6/2021	095	39175	J 0.18	ug/L	PAL		224582007	MW-20B	01	Vinyl chloride	0.02	0.2
4/6/2021	097	34030	J 0.87	ug/L	PAL		224582006	MW-20C	01	Benzene	0.5	5
4/6/2021	097	39175	J 0.32	ug/L	ES		224582006	MW-20C	01	Vinyl chloride	0.02	0.2

Exceedance type: PAL-Preventive Action Limit; ES-Enforcement Standard; *-EnforcementStandard Within DMZ; ACL-Alternative Concentration Limit.

MSI: 01-Sample; 02-Sample Duplicate; 03-SampleTriplctate; 09-Non-field Lab Replicate

< qualifier indicates reported value (RV) was not detected at or above the MDL.

Attachment C

Laboratory Analytical Report

April 20, 2021

Grant Anderson
GHD Services; St. Paul
1801 Old Highway 8 Northwest
Suite 114
Saint Paul, MN 55112

RE: Project: 11115796 RHINELANDER LF GW
Pace Project No.: 40224582

Dear Grant Anderson:

Enclosed are the analytical results for sample(s) received by the laboratory on April 07, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,



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

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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CERTIFICATIONS

Project: 11115796 RHINELANDER LF GW

Pace Project No.: 40224582

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: 11115796 RHINELANDER LF GW

Pace Project No.: 40224582

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40224582001	MW-16A	Water	04/06/21 14:59	04/07/21 08:12
40224582002	MW-16A DUP	Water	04/06/21 14:59	04/07/21 08:12
40224582003	MW-16B	Water	04/06/21 14:56	04/07/21 08:12
40224582004	FIELD BLANK	Water	04/06/21 14:45	04/07/21 08:12
40224582005	MW-16C	Water	04/06/21 15:08	04/07/21 08:12
40224582006	MW-20C	Water	04/06/21 15:39	04/07/21 08:12
40224582007	MW-20B	Water	04/06/21 15:51	04/07/21 08:12
40224582008	MW-20A	Water	04/06/21 15:54	04/07/21 08:12
40224582009	MW-2A	Water	04/06/21 16:44	04/07/21 08:12
40224582010	MW-2B	Water	04/06/21 16:52	04/07/21 08:12

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 11115796 RHINELANDER LF GW

Pace Project No.: 40224582

Lab ID	Sample ID	Method	Analysts	Analytes Reported	
40224582001	MW-16A	EPA 8260	HNW	65	
			VGC	6	
40224582002	MW-16A DUP	EPA 8260	HNW	65	
			VGC	6	
40224582003	MW-16B	EPA 8260	HNW	65	
			VGC	6	
40224582004	FIELD BLANK	EPA 8260	HNW	65	
40224582005	MW-16C	EPA 8260	HNW	65	
			VGC	6	
40224582006	MW-20C	EPA 8260	HNW	65	
			VGC	6	
40224582007	MW-20B	EPA 8260	HNW	65	
			VGC	6	
40224582008	MW-20A	EPA 8260	HNW	65	
			VGC	6	
40224582009	MW-2A	EPA 8260	HNW	65	
			VGC	6	
			EPA 350.1	TMK	1
			EPA 351.2	TMK	1
			EPA 8260	LAP	65
40224582010	MW-2B	EPA 8260	VGC	6	

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF GW
Pace Project No.: 40224582

Sample: MW-16A **Lab ID: 40224582001** Collected: 04/06/21 14:59 Received: 04/07/21 08:12 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	0.61J	ug/L	1.0	0.25	1		04/09/21 13:14	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/09/21 13:14	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/09/21 13:14	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/09/21 13:14	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/09/21 13:14	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/09/21 13:14	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/09/21 13:14	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/09/21 13:14	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/09/21 13:14	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/09/21 13:14	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/09/21 13:14	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/09/21 13:14	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/09/21 13:14	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/09/21 13:14	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/09/21 13:14	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/09/21 13:14	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/09/21 13:14	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/09/21 13:14	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/09/21 13:14	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/09/21 13:14	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/09/21 13:14	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/09/21 13:14	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/09/21 13:14	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/09/21 13:14	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/09/21 13:14	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/09/21 13:14	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/09/21 13:14	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/09/21 13:14	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/09/21 13:14	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/09/21 13:14	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/09/21 13:14	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/09/21 13:14	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/09/21 13:14	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/09/21 13:14	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/09/21 13:14	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/09/21 13:14	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/09/21 13:14	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		04/09/21 13:14	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		04/09/21 13:14	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/09/21 13:14	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/09/21 13:14	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/09/21 13:14	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/09/21 13:14	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/09/21 13:14	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		04/09/21 13:14	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF GW
Pace Project No.: 40224582

Sample: MW-16A **Lab ID: 40224582001** Collected: 04/06/21 14:59 Received: 04/07/21 08:12 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/09/21 13:14	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/09/21 13:14	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/09/21 13:14	127-18-4	
Tetrahydrofuran	<2.3	ug/L	20.0	2.3	1		04/09/21 13:14	109-99-9	
Toluene	<0.27	ug/L	1.0	0.27	1		04/09/21 13:14	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		04/09/21 13:14	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/09/21 13:14	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/09/21 13:14	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/09/21 13:14	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/09/21 13:14	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/09/21 13:14	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/09/21 13:14	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/09/21 13:14	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/09/21 13:14	108-67-8	
Vinyl chloride	0.82J	ug/L	1.0	0.17	1		04/09/21 13:14	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/09/21 13:14	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/09/21 13:14	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		04/09/21 13:14	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		04/09/21 13:14	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		04/09/21 13:14	2037-26-5	
Field Data									
Analytical Method:									
Pace Analytical Services - Green Bay									
Field pH	7.4	Std. Units			1		04/06/21 14:59		
Field Specific Conductance	403	umhos/cm			1		04/06/21 14:59		
Oxygen, Dissolved	0.52	mg/L			1		04/06/21 14:59	7782-44-7	
REDOX	-60	mV			1		04/06/21 14:59		
Turbidity	0	NTU			1		04/06/21 14:59		
Temperature, Water (C)	10.92	deg C			1		04/06/21 14:59		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF GW

Pace Project No.: 40224582

Sample: MW-16A DUP **Lab ID: 40224582002** Collected: 04/06/21 14:59 Received: 04/07/21 08:12 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	0.57J	ug/L	1.0	0.25	1		04/09/21 14:56	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/09/21 14:56	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/09/21 14:56	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/09/21 14:56	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/09/21 14:56	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/09/21 14:56	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/09/21 14:56	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/09/21 14:56	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/09/21 14:56	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/09/21 14:56	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/09/21 14:56	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/09/21 14:56	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/09/21 14:56	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/09/21 14:56	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/09/21 14:56	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/09/21 14:56	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/09/21 14:56	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/09/21 14:56	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/09/21 14:56	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/09/21 14:56	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/09/21 14:56	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/09/21 14:56	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/09/21 14:56	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/09/21 14:56	75-71-8	
1,1-Dichloroethane	0.37J	ug/L	1.0	0.27	1		04/09/21 14:56	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/09/21 14:56	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/09/21 14:56	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/09/21 14:56	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/09/21 14:56	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/09/21 14:56	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/09/21 14:56	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/09/21 14:56	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/09/21 14:56	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/09/21 14:56	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/09/21 14:56	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/09/21 14:56	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/09/21 14:56	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		04/09/21 14:56	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		04/09/21 14:56	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/09/21 14:56	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/09/21 14:56	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/09/21 14:56	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/09/21 14:56	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/09/21 14:56	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		04/09/21 14:56	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF GW

Pace Project No.: 40224582

Sample: MW-16A DUP **Lab ID: 40224582002** Collected: 04/06/21 14:59 Received: 04/07/21 08:12 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/09/21 14:56	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/09/21 14:56	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/09/21 14:56	127-18-4	
Tetrahydrofuran	<2.3	ug/L	20.0	2.3	1		04/09/21 14:56	109-99-9	
Toluene	<0.27	ug/L	1.0	0.27	1		04/09/21 14:56	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		04/09/21 14:56	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/09/21 14:56	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/09/21 14:56	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/09/21 14:56	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/09/21 14:56	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/09/21 14:56	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/09/21 14:56	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/09/21 14:56	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/09/21 14:56	108-67-8	
Vinyl chloride	0.83J	ug/L	1.0	0.17	1		04/09/21 14:56	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/09/21 14:56	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/09/21 14:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		04/09/21 14:56	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		04/09/21 14:56	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		04/09/21 14:56	2037-26-5	

Field Data

Analytical Method:
Pace Analytical Services - Green Bay

Field pH	7.4	Std. Units			1		04/06/21 14:59		
Field Specific Conductance	403	umhos/cm			1		04/06/21 14:59		
Oxygen, Dissolved	0.52	mg/L			1		04/06/21 14:59	7782-44-7	
REDOX	-60	mV			1		04/06/21 14:59		
Turbidity	0	NTU			1		04/06/21 14:59		
Temperature, Water (C)	10.92	deg C			1		04/06/21 14:59		

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF GW

Pace Project No.: 40224582

Sample: MW-16B **Lab ID: 40224582003** Collected: 04/06/21 14:56 Received: 04/07/21 08:12 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	0.71J	ug/L	1.0	0.25	1		04/09/21 12:52	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/09/21 12:52	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/09/21 12:52	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/09/21 12:52	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/09/21 12:52	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/09/21 12:52	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/09/21 12:52	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/09/21 12:52	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/09/21 12:52	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/09/21 12:52	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/09/21 12:52	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/09/21 12:52	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/09/21 12:52	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/09/21 12:52	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/09/21 12:52	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/09/21 12:52	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/09/21 12:52	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/09/21 12:52	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/09/21 12:52	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/09/21 12:52	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/09/21 12:52	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/09/21 12:52	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/09/21 12:52	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/09/21 12:52	75-71-8	
1,1-Dichloroethane	0.34J	ug/L	1.0	0.27	1		04/09/21 12:52	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/09/21 12:52	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/09/21 12:52	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/09/21 12:52	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/09/21 12:52	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/09/21 12:52	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/09/21 12:52	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/09/21 12:52	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/09/21 12:52	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/09/21 12:52	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/09/21 12:52	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/09/21 12:52	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/09/21 12:52	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		04/09/21 12:52	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		04/09/21 12:52	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/09/21 12:52	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/09/21 12:52	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/09/21 12:52	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/09/21 12:52	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/09/21 12:52	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		04/09/21 12:52	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF GW

Pace Project No.: 40224582

Sample: MW-16B **Lab ID: 40224582003** Collected: 04/06/21 14:56 Received: 04/07/21 08:12 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/09/21 12:52	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/09/21 12:52	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/09/21 12:52	127-18-4	
Tetrahydrofuran	<2.3	ug/L	20.0	2.3	1		04/09/21 12:52	109-99-9	
Toluene	<0.27	ug/L	1.0	0.27	1		04/09/21 12:52	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		04/09/21 12:52	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/09/21 12:52	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/09/21 12:52	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/09/21 12:52	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/09/21 12:52	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/09/21 12:52	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/09/21 12:52	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/09/21 12:52	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/09/21 12:52	108-67-8	
Vinyl chloride	0.71J	ug/L	1.0	0.17	1		04/09/21 12:52	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/09/21 12:52	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/09/21 12:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		04/09/21 12:52	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		04/09/21 12:52	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		04/09/21 12:52	2037-26-5	
Field Data									
Analytical Method:									
Pace Analytical Services - Green Bay									
Field pH	7.58	Std. Units			1		04/06/21 14:56		
Field Specific Conductance	558	umhos/cm			1		04/06/21 14:56		
Oxygen, Dissolved	0	mg/L			1		04/06/21 14:56	7782-44-7	
REDOX	-211	mV			1		04/06/21 14:56		
Turbidity	0	NTU			1		04/06/21 14:56		
Temperature, Water (C)	9.61	deg C			1		04/06/21 14:56		

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF GW
Pace Project No.: 40224582

Sample: FIELD BLANK **Lab ID: 40224582004** Collected: 04/06/21 14:45 Received: 04/07/21 08:12 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		04/09/21 15:17	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/09/21 15:17	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/09/21 15:17	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/09/21 15:17	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/09/21 15:17	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/09/21 15:17	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/09/21 15:17	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/09/21 15:17	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/09/21 15:17	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/09/21 15:17	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/09/21 15:17	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/09/21 15:17	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/09/21 15:17	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/09/21 15:17	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/09/21 15:17	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/09/21 15:17	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/09/21 15:17	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/09/21 15:17	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/09/21 15:17	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/09/21 15:17	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/09/21 15:17	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/09/21 15:17	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/09/21 15:17	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/09/21 15:17	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/09/21 15:17	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/09/21 15:17	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/09/21 15:17	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/09/21 15:17	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/09/21 15:17	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/09/21 15:17	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/09/21 15:17	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/09/21 15:17	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/09/21 15:17	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/09/21 15:17	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/09/21 15:17	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/09/21 15:17	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/09/21 15:17	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		04/09/21 15:17	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		04/09/21 15:17	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/09/21 15:17	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/09/21 15:17	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/09/21 15:17	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/09/21 15:17	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/09/21 15:17	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		04/09/21 15:17	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF GW
Pace Project No.: 40224582

Sample: FIELD BLANK **Lab ID: 40224582004** Collected: 04/06/21 14:45 Received: 04/07/21 08:12 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/09/21 15:17	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/09/21 15:17	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/09/21 15:17	127-18-4	
Tetrahydrofuran	<2.3	ug/L	20.0	2.3	1		04/09/21 15:17	109-99-9	
Toluene	<0.27	ug/L	1.0	0.27	1		04/09/21 15:17	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		04/09/21 15:17	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/09/21 15:17	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/09/21 15:17	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/09/21 15:17	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/09/21 15:17	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/09/21 15:17	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/09/21 15:17	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/09/21 15:17	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/09/21 15:17	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/09/21 15:17	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/09/21 15:17	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/09/21 15:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		04/09/21 15:17	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		04/09/21 15:17	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		04/09/21 15:17	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF GW
Pace Project No.: 40224582

Sample: MW-16C **Lab ID: 40224582005** Collected: 04/06/21 15:08 Received: 04/07/21 08:12 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	0.84J	ug/L	1.0	0.25	1		04/09/21 15:39	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/09/21 15:39	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/09/21 15:39	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/09/21 15:39	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/09/21 15:39	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/09/21 15:39	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/09/21 15:39	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/09/21 15:39	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/09/21 15:39	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/09/21 15:39	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/09/21 15:39	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/09/21 15:39	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/09/21 15:39	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/09/21 15:39	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/09/21 15:39	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/09/21 15:39	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/09/21 15:39	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/09/21 15:39	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/09/21 15:39	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/09/21 15:39	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/09/21 15:39	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/09/21 15:39	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/09/21 15:39	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/09/21 15:39	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/09/21 15:39	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/09/21 15:39	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/09/21 15:39	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/09/21 15:39	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/09/21 15:39	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/09/21 15:39	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/09/21 15:39	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/09/21 15:39	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/09/21 15:39	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/09/21 15:39	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/09/21 15:39	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/09/21 15:39	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/09/21 15:39	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		04/09/21 15:39	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		04/09/21 15:39	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/09/21 15:39	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/09/21 15:39	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/09/21 15:39	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/09/21 15:39	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/09/21 15:39	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		04/09/21 15:39	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF GW
Pace Project No.: 40224582

Sample: MW-16C **Lab ID: 40224582005** Collected: 04/06/21 15:08 Received: 04/07/21 08:12 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/09/21 15:39	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/09/21 15:39	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/09/21 15:39	127-18-4	
Tetrahydrofuran	2.5J	ug/L	20.0	2.3	1		04/09/21 15:39	109-99-9	
Toluene	<0.27	ug/L	1.0	0.27	1		04/09/21 15:39	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		04/09/21 15:39	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/09/21 15:39	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/09/21 15:39	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/09/21 15:39	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/09/21 15:39	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/09/21 15:39	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/09/21 15:39	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/09/21 15:39	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/09/21 15:39	108-67-8	
Vinyl chloride	0.61J	ug/L	1.0	0.17	1		04/09/21 15:39	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/09/21 15:39	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/09/21 15:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		04/09/21 15:39	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		04/09/21 15:39	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		04/09/21 15:39	2037-26-5	
Field Data									
Analytical Method:									
Pace Analytical Services - Green Bay									
Field pH	7.17	Std. Units			1		04/06/21 15:08		
Field Specific Conductance	642	umhos/cm			1		04/06/21 15:08		
Oxygen, Dissolved	0	mg/L			1		04/06/21 15:08	7782-44-7	
REDOX	-146	mV			1		04/06/21 15:08		
Turbidity	0	NTU			1		04/06/21 15:08		
Temperature, Water (C)	9.79	deg C			1		04/06/21 15:08		

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF GW

Pace Project No.: 40224582

Sample: MW-20C **Lab ID: 40224582006** Collected: 04/06/21 15:39 Received: 04/07/21 08:12 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	0.87J	ug/L	1.0	0.25	1		04/09/21 16:00	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/09/21 16:00	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/09/21 16:00	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/09/21 16:00	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/09/21 16:00	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/09/21 16:00	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/09/21 16:00	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/09/21 16:00	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/09/21 16:00	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/09/21 16:00	56-23-5	
Chlorobenzene	0.81J	ug/L	2.4	0.71	1		04/09/21 16:00	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/09/21 16:00	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/09/21 16:00	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/09/21 16:00	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/09/21 16:00	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/09/21 16:00	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/09/21 16:00	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/09/21 16:00	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/09/21 16:00	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/09/21 16:00	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/09/21 16:00	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/09/21 16:00	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/09/21 16:00	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/09/21 16:00	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/09/21 16:00	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/09/21 16:00	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/09/21 16:00	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/09/21 16:00	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/09/21 16:00	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/09/21 16:00	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/09/21 16:00	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/09/21 16:00	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/09/21 16:00	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/09/21 16:00	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/09/21 16:00	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/09/21 16:00	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/09/21 16:00	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		04/09/21 16:00	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		04/09/21 16:00	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/09/21 16:00	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/09/21 16:00	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/09/21 16:00	1634-04-4	
Naphthalene	4.9J	ug/L	5.0	1.2	1		04/09/21 16:00	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/09/21 16:00	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		04/09/21 16:00	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF GW

Pace Project No.: 40224582

Sample: MW-20C **Lab ID: 40224582006** Collected: 04/06/21 15:39 Received: 04/07/21 08:12 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/09/21 16:00	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/09/21 16:00	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/09/21 16:00	127-18-4	
Tetrahydrofuran	2.9J	ug/L	20.0	2.3	1		04/09/21 16:00	109-99-9	
Toluene	<0.27	ug/L	1.0	0.27	1		04/09/21 16:00	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		04/09/21 16:00	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/09/21 16:00	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/09/21 16:00	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/09/21 16:00	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/09/21 16:00	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/09/21 16:00	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/09/21 16:00	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/09/21 16:00	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/09/21 16:00	108-67-8	
Vinyl chloride	0.32J	ug/L	1.0	0.17	1		04/09/21 16:00	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/09/21 16:00	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/09/21 16:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/09/21 16:00	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		04/09/21 16:00	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		04/09/21 16:00	2037-26-5	
Field Data									
Analytical Method:									
Pace Analytical Services - Green Bay									
Field pH	7.04	Std. Units			1		04/06/21 15:39		
Field Specific Conductance	598	umhos/cm			1		04/06/21 15:39		
Oxygen, Dissolved	0	mg/L			1		04/06/21 15:39	7782-44-7	
REDOX	-138	mV			1		04/06/21 15:39		
Turbidity	0	NTU			1		04/06/21 15:39		
Temperature, Water (C)	9.84	deg C			1		04/06/21 15:39		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF GW

Pace Project No.: 40224582

Sample: MW-20B **Lab ID: 40224582007** Collected: 04/06/21 15:51 Received: 04/07/21 08:12 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Benzene	0.55J	ug/L	1.0	0.30	1		04/13/21 02:40	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		04/13/21 02:40	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/13/21 02:40	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/13/21 02:40	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		04/13/21 02:40	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/13/21 02:40	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/13/21 02:40	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/13/21 02:40	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/13/21 02:40	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/13/21 02:40	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/13/21 02:40	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/13/21 02:40	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/13/21 02:40	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/13/21 02:40	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/13/21 02:40	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/13/21 02:40	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		04/13/21 02:40	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/13/21 02:40	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		04/13/21 02:40	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		04/13/21 02:40	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/13/21 02:40	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/13/21 02:40	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/13/21 02:40	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		04/13/21 02:40	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/13/21 02:40	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/13/21 02:40	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/13/21 02:40	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/13/21 02:40	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/13/21 02:40	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/13/21 02:40	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		04/13/21 02:40	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		04/13/21 02:40	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		04/13/21 02:40	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		04/13/21 02:40	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		04/13/21 02:40	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		04/13/21 02:40	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/13/21 02:40	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		04/13/21 02:40	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/13/21 02:40	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/13/21 02:40	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/13/21 02:40	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		04/13/21 02:40	1634-04-4	
Naphthalene	3.2J	ug/L	5.0	1.1	1		04/13/21 02:40	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/13/21 02:40	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		04/13/21 02:40	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF GW
Pace Project No.: 40224582

Sample: MW-20B **Lab ID: 40224582007** Collected: 04/06/21 15:51 Received: 04/07/21 08:12 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		04/13/21 02:40	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/13/21 02:40	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/13/21 02:40	127-18-4	
Tetrahydrofuran	4.6J	ug/L	25.0	2.4	1		04/13/21 02:40	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		04/13/21 02:40	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/13/21 02:40	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/13/21 02:40	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/13/21 02:40	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/13/21 02:40	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/13/21 02:40	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		04/13/21 02:40	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		04/13/21 02:40	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/13/21 02:40	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/13/21 02:40	108-67-8	
Vinyl chloride	0.18J	ug/L	1.0	0.17	1		04/13/21 02:40	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/13/21 02:40	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/13/21 02:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/13/21 02:40	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		04/13/21 02:40	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		04/13/21 02:40	2037-26-5	
Field Data									
Analytical Method:									
Pace Analytical Services - Green Bay									
Field pH	7.06	Std. Units			1		04/06/21 15:51		
Field Specific Conductance	459	umhos/cm			1		04/06/21 15:51		
Oxygen, Dissolved	0.07	mg/L			1		04/06/21 15:51	7782-44-7	
REDOX	-99	mV			1		04/06/21 15:51		
Turbidity	0	NTU			1		04/06/21 15:51		
Temperature, Water (C)	9.98	deg C			1		04/06/21 15:51		

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF GW

Pace Project No.: 40224582

Sample: MW-20A **Lab ID: 40224582008** Collected: 04/06/21 15:54 Received: 04/07/21 08:12 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	1.5	ug/L	1.0	0.30	1		04/13/21 03:03	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		04/13/21 03:03	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/13/21 03:03	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/13/21 03:03	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		04/13/21 03:03	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/13/21 03:03	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/13/21 03:03	104-51-8	
sec-Butylbenzene	0.55J	ug/L	1.0	0.42	1		04/13/21 03:03	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/13/21 03:03	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/13/21 03:03	56-23-5	
Chlorobenzene	5.4	ug/L	1.0	0.86	1		04/13/21 03:03	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/13/21 03:03	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/13/21 03:03	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/13/21 03:03	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/13/21 03:03	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/13/21 03:03	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		04/13/21 03:03	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/13/21 03:03	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		04/13/21 03:03	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		04/13/21 03:03	74-95-3	
1,2-Dichlorobenzene	0.65J	ug/L	1.0	0.33	1		04/13/21 03:03	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/13/21 03:03	541-73-1	
1,4-Dichlorobenzene	1.8	ug/L	1.0	0.89	1		04/13/21 03:03	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		04/13/21 03:03	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/13/21 03:03	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/13/21 03:03	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/13/21 03:03	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/13/21 03:03	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/13/21 03:03	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/13/21 03:03	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		04/13/21 03:03	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		04/13/21 03:03	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		04/13/21 03:03	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		04/13/21 03:03	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		04/13/21 03:03	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		04/13/21 03:03	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/13/21 03:03	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		04/13/21 03:03	87-68-3	
Isopropylbenzene (Cumene)	3.8J	ug/L	5.0	1.0	1		04/13/21 03:03	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/13/21 03:03	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/13/21 03:03	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		04/13/21 03:03	1634-04-4	
Naphthalene	14.7	ug/L	5.0	1.1	1		04/13/21 03:03	91-20-3	
n-Propylbenzene	2.8	ug/L	1.0	0.35	1		04/13/21 03:03	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		04/13/21 03:03	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF GW
Pace Project No.: 40224582

Sample: MW-20A **Lab ID: 40224582008** Collected: 04/06/21 15:54 Received: 04/07/21 08:12 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		04/13/21 03:03	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/13/21 03:03	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/13/21 03:03	127-18-4	
Tetrahydrofuran	8.1J	ug/L	25.0	2.4	1		04/13/21 03:03	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		04/13/21 03:03	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/13/21 03:03	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/13/21 03:03	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/13/21 03:03	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/13/21 03:03	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/13/21 03:03	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		04/13/21 03:03	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		04/13/21 03:03	96-18-4	
1,2,4-Trimethylbenzene	24.7	ug/L	1.0	0.45	1		04/13/21 03:03	95-63-6	
1,3,5-Trimethylbenzene	5.5	ug/L	1.0	0.36	1		04/13/21 03:03	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/13/21 03:03	75-01-4	
m&p-Xylene	63.8	ug/L	2.0	0.70	1		04/13/21 03:03	179601-23-1	
o-Xylene	1.5	ug/L	1.0	0.35	1		04/13/21 03:03	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/13/21 03:03	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		04/13/21 03:03	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		04/13/21 03:03	2037-26-5	
Field Data									
Analytical Method:									
Pace Analytical Services - Green Bay									
Field pH	5.67	Std. Units			1		04/06/21 15:54		
Field Specific Conductance	981	umhos/cm			1		04/06/21 15:54		
Oxygen, Dissolved	0	mg/L			1		04/06/21 15:54	7782-44-7	
REDOX	-29	mV			1		04/06/21 15:54		
Turbidity	0	NTU			1		04/06/21 15:54		
Temperature, Water (C)	15.59	deg C			1		04/06/21 15:54		

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF GW

Pace Project No.: 40224582

Sample: MW-2A **Lab ID: 40224582009** Collected: 04/06/21 16:44 Received: 04/07/21 08:12 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	16.1	ug/L	1.0	0.30	1		04/13/21 03:25	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		04/13/21 03:25	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/13/21 03:25	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/13/21 03:25	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		04/13/21 03:25	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/13/21 03:25	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/13/21 03:25	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/13/21 03:25	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/13/21 03:25	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/13/21 03:25	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/13/21 03:25	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/13/21 03:25	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/13/21 03:25	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/13/21 03:25	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/13/21 03:25	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/13/21 03:25	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		04/13/21 03:25	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/13/21 03:25	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		04/13/21 03:25	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		04/13/21 03:25	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/13/21 03:25	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/13/21 03:25	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/13/21 03:25	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		04/13/21 03:25	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/13/21 03:25	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/13/21 03:25	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/13/21 03:25	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/13/21 03:25	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/13/21 03:25	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/13/21 03:25	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		04/13/21 03:25	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		04/13/21 03:25	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		04/13/21 03:25	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		04/13/21 03:25	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		04/13/21 03:25	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		04/13/21 03:25	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/13/21 03:25	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		04/13/21 03:25	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/13/21 03:25	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/13/21 03:25	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/13/21 03:25	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		04/13/21 03:25	1634-04-4	
Naphthalene	5.5	ug/L	5.0	1.1	1		04/13/21 03:25	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/13/21 03:25	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		04/13/21 03:25	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF GW
Pace Project No.: 40224582

Sample: MW-2A **Lab ID: 40224582009** Collected: 04/06/21 16:44 Received: 04/07/21 08:12 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		04/13/21 03:25	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/13/21 03:25	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/13/21 03:25	127-18-4	
Tetrahydrofuran	172	ug/L	25.0	2.4	1		04/13/21 03:25	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		04/13/21 03:25	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/13/21 03:25	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/13/21 03:25	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/13/21 03:25	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/13/21 03:25	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/13/21 03:25	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		04/13/21 03:25	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		04/13/21 03:25	96-18-4	
1,2,4-Trimethylbenzene	1.7	ug/L	1.0	0.45	1		04/13/21 03:25	95-63-6	
1,3,5-Trimethylbenzene	1.1	ug/L	1.0	0.36	1		04/13/21 03:25	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/13/21 03:25	75-01-4	
m&p-Xylene	2.6	ug/L	2.0	0.70	1		04/13/21 03:25	179601-23-1	
o-Xylene	0.40J	ug/L	1.0	0.35	1		04/13/21 03:25	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/13/21 03:25	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		04/13/21 03:25	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		04/13/21 03:25	2037-26-5	
Field Data									
Analytical Method:									
Pace Analytical Services - Green Bay									
Field pH	6.86	Std. Units			1		04/06/21 16:44		
Field Specific Conductance	337	umhos/cm			1		04/06/21 16:44		
Oxygen, Dissolved	0	mg/L			1		04/06/21 16:44	7782-44-7	
REDOX	-78	mV			1		04/06/21 16:44		
Turbidity	0	NTU			1		04/06/21 16:44		
Temperature, Water (C)	13.81	deg C			1		04/06/21 16:44		
350.1 Ammonia, Distilled									
Analytical Method: EPA 350.1 Preparation Method: EPA 350.1									
Pace Analytical Services - Green Bay									
Nitrogen, Ammonia	271	mg/L	10.0	2.9	20	04/14/21 14:59	04/14/21 16:05	7664-41-7	
351.2 Total Kjeldahl Nitrogen									
Analytical Method: EPA 351.2 Preparation Method: EPA 351.2									
Pace Analytical Services - Green Bay									
Nitrogen, Kjeldahl, Total	238	mg/L	20.0	4.2	20	04/13/21 13:35	04/13/21 19:53	7727-37-9	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF GW

Pace Project No.: 40224582

Sample: MW-2B **Lab ID: 40224582010** Collected: 04/06/21 16:52 Received: 04/07/21 08:12 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/20/21 14:03	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		04/20/21 14:03	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/20/21 14:03	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/20/21 14:03	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		04/20/21 14:03	75-25-2	L1
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/20/21 14:03	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/20/21 14:03	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/20/21 14:03	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/20/21 14:03	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/20/21 14:03	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/20/21 14:03	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/20/21 14:03	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/20/21 14:03	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/20/21 14:03	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/20/21 14:03	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/20/21 14:03	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		04/20/21 14:03	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/20/21 14:03	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		04/20/21 14:03	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		04/20/21 14:03	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/20/21 14:03	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/20/21 14:03	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/20/21 14:03	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		04/20/21 14:03	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/20/21 14:03	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/20/21 14:03	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/20/21 14:03	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/20/21 14:03	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/20/21 14:03	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/20/21 14:03	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		04/20/21 14:03	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		04/20/21 14:03	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		04/20/21 14:03	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		04/20/21 14:03	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		04/20/21 14:03	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		04/20/21 14:03	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/20/21 14:03	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		04/20/21 14:03	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/20/21 14:03	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/20/21 14:03	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/20/21 14:03	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		04/20/21 14:03	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/20/21 14:03	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/20/21 14:03	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		04/20/21 14:03	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF GW
Pace Project No.: 40224582

Sample: MW-2B **Lab ID: 40224582010** Collected: 04/06/21 16:52 Received: 04/07/21 08:12 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	1.0	0.36	1		04/20/21 14:03	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/20/21 14:03	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/20/21 14:03	127-18-4	
Tetrahydrofuran	6.4J	ug/L	25.0	2.4	1		04/20/21 14:03	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		04/20/21 14:03	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/20/21 14:03	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/20/21 14:03	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/20/21 14:03	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/20/21 14:03	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/20/21 14:03	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		04/20/21 14:03	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		04/20/21 14:03	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/20/21 14:03	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/20/21 14:03	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/20/21 14:03	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/20/21 14:03	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/20/21 14:03	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		04/20/21 14:03	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		04/20/21 14:03	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		04/20/21 14:03	2037-26-5	
Field Data									
Analytical Method:									
Pace Analytical Services - Green Bay									
Field pH	7.59	Std. Units			1		04/06/21 16:52		
Field Specific Conductance	1150	umhos/cm			1		04/06/21 16:52		
Oxygen, Dissolved	3.96	mg/L			1		04/06/21 16:52	7782-44-7	
REDOX	-94	mV			1		04/06/21 16:52		
Turbidity	0	NTU			1		04/06/21 16:52		
Temperature, Water (C)	9.43	deg C			1		04/06/21 16:52		

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF GW
Pace Project No.: 40224582

QC Batch: 381780 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40224582001, 40224582002, 40224582003, 40224582004, 40224582005, 40224582006

METHOD BLANK: 2201733 Matrix: Water
Associated Lab Samples: 40224582001, 40224582002, 40224582003, 40224582004, 40224582005, 40224582006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	04/09/21 06:48	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	04/09/21 06:48	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	04/09/21 06:48	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	04/09/21 06:48	
1,1-Dichloroethane	ug/L	<0.27	1.0	04/09/21 06:48	
1,1-Dichloroethene	ug/L	<0.24	1.0	04/09/21 06:48	
1,1-Dichloropropene	ug/L	<0.54	1.8	04/09/21 06:48	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	04/09/21 06:48	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	04/09/21 06:48	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	04/09/21 06:48	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	04/09/21 06:48	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	04/09/21 06:48	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	04/09/21 06:48	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	04/09/21 06:48	
1,2-Dichloroethane	ug/L	<0.28	1.0	04/09/21 06:48	
1,2-Dichloropropane	ug/L	<0.28	1.0	04/09/21 06:48	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	04/09/21 06:48	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	04/09/21 06:48	
1,3-Dichloropropane	ug/L	<0.83	2.8	04/09/21 06:48	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	04/09/21 06:48	
2,2-Dichloropropane	ug/L	<2.3	7.6	04/09/21 06:48	
2-Chlorotoluene	ug/L	<0.93	5.0	04/09/21 06:48	
4-Chlorotoluene	ug/L	<0.76	2.5	04/09/21 06:48	
Benzene	ug/L	<0.25	1.0	04/09/21 06:48	
Bromobenzene	ug/L	<0.24	1.0	04/09/21 06:48	
Bromochloromethane	ug/L	<0.36	5.0	04/09/21 06:48	
Bromodichloromethane	ug/L	<0.36	1.2	04/09/21 06:48	
Bromoform	ug/L	<4.0	13.2	04/09/21 06:48	
Bromomethane	ug/L	<0.97	5.0	04/09/21 06:48	
Carbon tetrachloride	ug/L	<1.1	3.6	04/09/21 06:48	
Chlorobenzene	ug/L	<0.71	2.4	04/09/21 06:48	
Chloroethane	ug/L	<1.3	5.0	04/09/21 06:48	
Chloroform	ug/L	<1.3	5.0	04/09/21 06:48	
Chloromethane	ug/L	<2.2	7.3	04/09/21 06:48	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	04/09/21 06:48	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	04/09/21 06:48	
Dibromochloromethane	ug/L	<2.6	8.7	04/09/21 06:48	
Dibromomethane	ug/L	<0.94	3.1	04/09/21 06:48	
Dichlorodifluoromethane	ug/L	<0.50	5.0	04/09/21 06:48	
Diisopropyl ether	ug/L	<1.9	6.3	04/09/21 06:48	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF GW
Pace Project No.: 40224582

METHOD BLANK: 2201733 Matrix: Water
Associated Lab Samples: 40224582001, 40224582002, 40224582003, 40224582004, 40224582005, 40224582006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	04/09/21 06:48	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	04/09/21 06:48	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	04/09/21 06:48	
m&p-Xylene	ug/L	<0.47	2.0	04/09/21 06:48	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	04/09/21 06:48	
Methylene Chloride	ug/L	<0.58	5.0	04/09/21 06:48	
n-Butylbenzene	ug/L	<0.71	2.4	04/09/21 06:48	
n-Propylbenzene	ug/L	<0.81	5.0	04/09/21 06:48	
Naphthalene	ug/L	<1.2	5.0	04/09/21 06:48	
o-Xylene	ug/L	<0.26	1.0	04/09/21 06:48	
p-Isopropyltoluene	ug/L	<0.80	2.7	04/09/21 06:48	
sec-Butylbenzene	ug/L	<0.85	5.0	04/09/21 06:48	
Styrene	ug/L	<3.0	10.0	04/09/21 06:48	
tert-Butylbenzene	ug/L	<0.30	1.0	04/09/21 06:48	
Tetrachloroethene	ug/L	<0.33	1.1	04/09/21 06:48	
Tetrahydrofuran	ug/L	<2.3	20.0	04/09/21 06:48	
Toluene	ug/L	<0.27	1.0	04/09/21 06:48	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	04/09/21 06:48	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	04/09/21 06:48	
Trichloroethene	ug/L	<0.26	1.0	04/09/21 06:48	
Trichlorofluoromethane	ug/L	<0.21	1.0	04/09/21 06:48	
Vinyl chloride	ug/L	<0.17	1.0	04/09/21 06:48	
4-Bromofluorobenzene (S)	%	101	70-130	04/09/21 06:48	
Dibromofluoromethane (S)	%	98	70-130	04/09/21 06:48	
Toluene-d8 (S)	%	100	70-130	04/09/21 06:48	

LABORATORY CONTROL SAMPLE: 2201734

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.3	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.0	96	66-130	
1,1,2-Trichloroethane	ug/L	50	53.8	108	70-130	
1,1-Dichloroethane	ug/L	50	50.6	101	68-132	
1,1-Dichloroethene	ug/L	50	49.6	99	85-126	
1,2,4-Trichlorobenzene	ug/L	50	51.6	103	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	43.5	87	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	53.1	106	70-130	
1,2-Dichlorobenzene	ug/L	50	51.6	103	70-130	
1,2-Dichloroethane	ug/L	50	53.2	106	70-130	
1,2-Dichloropropane	ug/L	50	52.6	105	78-125	
1,3-Dichlorobenzene	ug/L	50	52.4	105	70-130	
1,4-Dichlorobenzene	ug/L	50	51.3	103	70-130	
Benzene	ug/L	50	51.1	102	70-132	
Bromodichloromethane	ug/L	50	54.9	110	70-130	

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF GW
Pace Project No.: 40224582

LABORATORY CONTROL SAMPLE: 2201734

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	53.4	107	65-130	
Bromomethane	ug/L	50	46.3	93	44-128	
Carbon tetrachloride	ug/L	50	57.1	114	70-130	
Chlorobenzene	ug/L	50	55.0	110	70-130	
Chloroethane	ug/L	50	50.0	100	73-137	
Chloroform	ug/L	50	53.0	106	80-122	
Chloromethane	ug/L	50	49.4	99	27-148	
cis-1,2-Dichloroethene	ug/L	50	50.3	101	70-130	
cis-1,3-Dichloropropene	ug/L	50	55.2	110	70-130	
Dibromochloromethane	ug/L	50	50.5	101	70-130	
Dichlorodifluoromethane	ug/L	50	53.1	106	22-151	
Ethylbenzene	ug/L	50	55.3	111	80-123	
Isopropylbenzene (Cumene)	ug/L	50	54.6	109	70-130	
m&p-Xylene	ug/L	100	110	110	70-130	
Methyl-tert-butyl ether	ug/L	50	48.1	96	66-130	
Methylene Chloride	ug/L	50	47.9	96	70-130	
o-Xylene	ug/L	50	54.4	109	70-130	
Styrene	ug/L	50	55.7	111	70-130	
Tetrachloroethene	ug/L	50	57.5	115	70-130	
Toluene	ug/L	50	54.4	109	80-121	
trans-1,2-Dichloroethene	ug/L	50	48.1	96	70-130	
trans-1,3-Dichloropropene	ug/L	50	54.1	108	58-125	
Trichloroethene	ug/L	50	57.6	115	70-130	
Trichlorofluoromethane	ug/L	50	58.3	117	84-148	
Vinyl chloride	ug/L	50	50.4	101	63-142	
4-Bromofluorobenzene (S)	%			107	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			104	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2201735 2201736

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40224582003 Result	Spike Conc.	Spike Conc.	Result								
1,1,1-Trichloroethane	ug/L	<0.24	50	50	51.8	54.9	104	110	70-130	6	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	46.9	51.3	94	103	66-130	9	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	54.6	55.8	109	112	70-130	2	20		
1,1-Dichloroethane	ug/L	0.34J	50	50	49.6	52.0	99	103	68-132	5	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	45.5	47.4	91	95	76-132	4	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	51.2	54.2	102	108	70-130	6	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	42.8	46.2	86	92	51-126	8	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	52.0	54.2	104	108	70-130	4	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	51.8	55.2	104	110	70-130	6	20		
1,2-Dichloroethane	ug/L	<0.28	50	50	51.8	53.8	104	108	70-130	4	20		
1,2-Dichloropropane	ug/L	<0.28	50	50	54.7	57.3	109	115	77-125	5	20		

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF GW

Pace Project No.: 40224582

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2201735		2201736		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40224582003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,3-Dichlorobenzene	ug/L	<0.63	50	50	52.3	55.4	105	111	70-130	6	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	51.7	54.9	103	110	70-130	6	20		
Benzene	ug/L	0.71J	50	50	50.1	52.0	99	103	70-132	4	20		
Bromodichloromethane	ug/L	<0.36	50	50	55.6	59.1	111	118	70-130	6	20		
Bromoform	ug/L	<4.0	50	50	51.5	54.5	103	109	65-130	6	20		
Bromomethane	ug/L	<0.97	50	50	37.2	42.8	74	86	44-128	14	21		
Carbon tetrachloride	ug/L	<1.1	50	50	56.1	58.0	112	116	70-132	3	20		
Chlorobenzene	ug/L	<0.71	50	50	54.3	57.7	108	115	70-130	6	20		
Chloroethane	ug/L	<1.3	50	50	42.4	43.8	85	88	70-137	3	20		
Chloroform	ug/L	<1.3	50	50	51.7	53.9	103	108	80-122	4	20		
Chloromethane	ug/L	<2.2	50	50	32.0	33.0	64	66	17-149	3	20		
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	49.8	52.7	99	105	70-130	6	20		
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	55.0	58.2	110	116	70-130	5	20		
Dibromochloromethane	ug/L	<2.6	50	50	48.9	51.0	98	102	70-130	4	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	20.8	22.0	42	44	22-158	5	20		
Ethylbenzene	ug/L	<0.32	50	50	54.6	57.6	109	115	80-123	5	20		
Isopropylbenzene (Cumene)	ug/L	<1.7	50	50	54.4	56.5	109	113	70-130	4	20		
m&p-Xylene	ug/L	<0.47	100	100	107	114	107	114	70-130	6	20		
Methyl-tert-butyl ether	ug/L	<1.2	50	50	46.7	48.8	93	98	66-130	4	20		
Methylene Chloride	ug/L	<0.58	50	50	45.4	48.7	91	97	70-130	7	20		
o-Xylene	ug/L	<0.26	50	50	53.5	56.2	107	112	70-130	5	20		
Styrene	ug/L	<3.0	50	50	54.8	58.5	110	117	70-130	6	20		
Tetrachloroethene	ug/L	<0.33	50	50	56.7	58.3	113	117	70-130	3	20		
Toluene	ug/L	<0.27	50	50	53.1	55.6	106	111	80-121	5	20		
trans-1,2-Dichloroethene	ug/L	<0.46	50	50	47.7	48.9	95	98	70-134	3	20		
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	53.4	56.8	107	114	58-130	6	20		
Trichloroethene	ug/L	<0.26	50	50	59.2	63.2	118	126	70-130	7	20		
Trichlorofluoromethane	ug/L	<0.21	50	50	50.1	52.2	100	104	82-151	4	20		
Vinyl chloride	ug/L	0.71J	50	50	37.3	40.1	73	79	61-143	7	20		
4-Bromofluorobenzene (S)	%						106	105	70-130				
Dibromofluoromethane (S)	%						103	100	70-130				
Toluene-d8 (S)	%						103	103	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF GW

Pace Project No.: 40224582

QC Batch: 381841

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40224582007, 40224582008, 40224582009

METHOD BLANK: 2202077

Matrix: Water

Associated Lab Samples: 40224582007, 40224582008, 40224582009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	04/12/21 16:33	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	04/12/21 16:33	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	04/12/21 16:33	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	04/12/21 16:33	
1,1-Dichloroethane	ug/L	<0.30	1.0	04/12/21 16:33	
1,1-Dichloroethene	ug/L	<0.58	1.0	04/12/21 16:33	
1,1-Dichloropropene	ug/L	<0.41	1.0	04/12/21 16:33	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	04/12/21 16:33	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	04/12/21 16:33	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	04/12/21 16:33	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	04/12/21 16:33	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	04/12/21 16:33	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	04/12/21 16:33	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	04/12/21 16:33	
1,2-Dichloroethane	ug/L	<0.29	1.0	04/12/21 16:33	
1,2-Dichloropropane	ug/L	<0.45	1.0	04/12/21 16:33	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	04/12/21 16:33	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	04/12/21 16:33	
1,3-Dichloropropane	ug/L	<0.30	1.0	04/12/21 16:33	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	04/12/21 16:33	
2,2-Dichloropropane	ug/L	<4.2	5.0	04/12/21 16:33	
2-Chlorotoluene	ug/L	<0.89	5.0	04/12/21 16:33	
4-Chlorotoluene	ug/L	<0.89	5.0	04/12/21 16:33	
Benzene	ug/L	<0.30	1.0	04/12/21 16:33	
Bromobenzene	ug/L	<0.36	1.0	04/12/21 16:33	
Bromochloromethane	ug/L	<0.36	5.0	04/12/21 16:33	
Bromodichloromethane	ug/L	<0.42	1.0	04/12/21 16:33	
Bromoform	ug/L	<3.8	5.0	04/12/21 16:33	
Bromomethane	ug/L	<1.2	5.0	04/12/21 16:33	
Carbon tetrachloride	ug/L	<0.37	1.0	04/12/21 16:33	
Chlorobenzene	ug/L	<0.86	1.0	04/12/21 16:33	
Chloroethane	ug/L	<1.4	5.0	04/12/21 16:33	
Chloroform	ug/L	<1.2	5.0	04/12/21 16:33	
Chloromethane	ug/L	<1.6	5.0	04/12/21 16:33	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	04/12/21 16:33	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	04/12/21 16:33	
Dibromochloromethane	ug/L	<2.6	5.0	04/12/21 16:33	
Dibromomethane	ug/L	<0.99	5.0	04/12/21 16:33	
Dichlorodifluoromethane	ug/L	<0.46	5.0	04/12/21 16:33	
Diisopropyl ether	ug/L	<1.1	5.0	04/12/21 16:33	

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF GW
Pace Project No.: 40224582

METHOD BLANK: 2202077 Matrix: Water
Associated Lab Samples: 40224582007, 40224582008, 40224582009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.33	1.0	04/12/21 16:33	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	04/12/21 16:33	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	04/12/21 16:33	
m&p-Xylene	ug/L	<0.70	2.0	04/12/21 16:33	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	04/12/21 16:33	
Methylene Chloride	ug/L	<0.32	5.0	04/12/21 16:33	
n-Butylbenzene	ug/L	<0.86	1.0	04/12/21 16:33	
n-Propylbenzene	ug/L	<0.35	1.0	04/12/21 16:33	
Naphthalene	ug/L	<1.1	5.0	04/12/21 16:33	
o-Xylene	ug/L	<0.35	1.0	04/12/21 16:33	
p-Isopropyltoluene	ug/L	<1.0	5.0	04/12/21 16:33	
sec-Butylbenzene	ug/L	<0.42	1.0	04/12/21 16:33	
Styrene	ug/L	<0.36	1.0	04/12/21 16:33	
tert-Butylbenzene	ug/L	<0.59	1.0	04/12/21 16:33	
Tetrachloroethene	ug/L	<0.41	1.0	04/12/21 16:33	
Tetrahydrofuran	ug/L	<2.4	25.0	04/12/21 16:33	
Toluene	ug/L	<0.29	1.0	04/12/21 16:33	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	04/12/21 16:33	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	04/12/21 16:33	
Trichloroethene	ug/L	<0.32	1.0	04/12/21 16:33	
Trichlorofluoromethane	ug/L	<0.42	1.0	04/12/21 16:33	
Vinyl chloride	ug/L	<0.17	1.0	04/12/21 16:33	
4-Bromofluorobenzene (S)	%	96	70-130	04/12/21 16:33	
Dibromofluoromethane (S)	%	101	70-130	04/12/21 16:33	
Toluene-d8 (S)	%	99	70-130	04/12/21 16:33	

LABORATORY CONTROL SAMPLE: 2202078

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.9	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	44.9	90	66-130	
1,1,2-Trichloroethane	ug/L	50	47.1	94	70-130	
1,1-Dichloroethane	ug/L	50	49.9	100	68-132	
1,1-Dichloroethene	ug/L	50	50.5	101	85-126	
1,2,4-Trichlorobenzene	ug/L	50	44.6	89	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	37.3	75	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	47.2	94	70-130	
1,2-Dichlorobenzene	ug/L	50	46.0	92	70-130	
1,2-Dichloroethane	ug/L	50	46.7	93	70-130	
1,2-Dichloropropane	ug/L	50	47.5	95	78-125	
1,3-Dichlorobenzene	ug/L	50	46.8	94	70-130	
1,4-Dichlorobenzene	ug/L	50	45.6	91	70-130	
Benzene	ug/L	50	48.9	98	70-132	
Bromodichloromethane	ug/L	50	47.7	95	70-130	

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF GW
Pace Project No.: 40224582

LABORATORY CONTROL SAMPLE: 2202078

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	42.4	85	65-130	
Bromomethane	ug/L	50	36.3	73	44-128	
Carbon tetrachloride	ug/L	50	47.0	94	70-130	
Chlorobenzene	ug/L	50	48.5	97	70-130	
Chloroethane	ug/L	50	51.7	103	73-137	
Chloroform	ug/L	50	49.1	98	80-122	
Chloromethane	ug/L	50	41.1	82	27-148	
cis-1,2-Dichloroethene	ug/L	50	47.6	95	70-130	
cis-1,3-Dichloropropene	ug/L	50	47.9	96	70-130	
Dibromochloromethane	ug/L	50	47.7	95	70-130	
Dichlorodifluoromethane	ug/L	50	46.0	92	22-151	
Ethylbenzene	ug/L	50	48.8	98	80-123	
Isopropylbenzene (Cumene)	ug/L	50	49.4	99	70-130	
m&p-Xylene	ug/L	100	98.3	98	70-130	
Methyl-tert-butyl ether	ug/L	50	45.3	91	66-130	
Methylene Chloride	ug/L	50	46.1	92	70-130	
o-Xylene	ug/L	50	49.1	98	70-130	
Styrene	ug/L	50	49.2	98	70-130	
Tetrachloroethene	ug/L	50	49.4	99	70-130	
Toluene	ug/L	50	48.4	97	80-121	
trans-1,2-Dichloroethene	ug/L	50	50.2	100	70-130	
trans-1,3-Dichloropropene	ug/L	50	41.4	83	58-125	
Trichloroethene	ug/L	50	50.7	101	70-130	
Trichlorofluoromethane	ug/L	50	55.3	111	84-148	
Vinyl chloride	ug/L	50	50.6	101	63-142	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			102	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2203069 2203070

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40224667002 Result	Spike Conc.	Spike Conc.	Result								
1,1,1-Trichloroethane	ug/L	<0.30	50	50	51.9	52.1	104	104	70-130	0	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	46.2	46.3	92	93	66-130	0	20		
1,1,2-Trichloroethane	ug/L	<0.34	50	50	48.4	48.4	97	97	70-130	0	20		
1,1-Dichloroethane	ug/L	<0.30	50	50	51.3	50.4	103	101	68-132	2	20		
1,1-Dichloroethene	ug/L	<0.58	50	50	51.7	52.2	103	104	76-132	1	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	47.7	48.0	95	96	70-130	1	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	40.3	41.1	81	82	51-126	2	20		
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	49.7	48.6	99	97	70-130	2	20		
1,2-Dichlorobenzene	ug/L	<0.33	50	50	47.8	47.5	96	95	70-130	1	20		
1,2-Dichloroethane	ug/L	<0.29	50	50	46.7	46.9	93	94	70-130	0	20		
1,2-Dichloropropane	ug/L	<0.45	50	50	50.2	49.0	100	98	77-125	2	20		

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF GW

Pace Project No.: 40224582

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2203069 2203070												
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40224667002 Result	Spike Conc.	Spike Conc.	MS Result							
1,3-Dichlorobenzene	ug/L	<0.35	50	50	48.5	48.4	97	97	70-130	0	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	48.1	48.2	96	96	70-130	0	20	
Benzene	ug/L	<0.30	50	50	49.9	49.7	100	99	70-132	0	20	
Bromodichloromethane	ug/L	<0.42	50	50	49.1	49.4	98	99	70-130	1	20	
Bromoform	ug/L	<3.8	50	50	44.6	44.8	89	90	65-130	0	20	
Bromomethane	ug/L	<1.2	50	50	42.6	48.0	85	96	44-128	12	21	
Carbon tetrachloride	ug/L	<0.37	50	50	49.5	49.1	99	98	70-132	1	20	
Chlorobenzene	ug/L	<0.86	50	50	49.7	49.5	99	99	70-130	1	20	
Chloroethane	ug/L	<1.4	50	50	52.7	53.0	105	106	70-137	0	20	
Chloroform	ug/L	<1.2	50	50	49.9	50.2	100	100	80-122	1	20	
Chloromethane	ug/L	<1.6	50	50	42.9	45.3	86	91	17-149	5	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	48.9	48.9	97	97	70-130	0	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	50.2	50.2	100	100	70-130	0	20	
Dibromochloromethane	ug/L	<2.6	50	50	49.4	50.8	99	102	70-130	3	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	47.0	46.0	94	92	22-158	2	20	
Ethylbenzene	ug/L	<0.33	50	50	50.7	50.6	101	101	80-123	0	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	50.7	51.3	101	103	70-130	1	20	
m&p-Xylene	ug/L	<0.70	100	100	102	102	102	102	70-130	0	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	46.4	46.0	93	92	66-130	1	20	
Methylene Chloride	ug/L	<0.32	50	50	47.5	47.9	95	96	70-130	1	20	
o-Xylene	ug/L	<0.35	50	50	50.0	50.3	100	101	70-130	1	20	
Styrene	ug/L	<0.36	50	50	49.0	49.1	98	98	70-130	0	20	
Tetrachloroethene	ug/L	<0.41	50	50	51.0	51.0	102	102	70-130	0	20	
Toluene	ug/L	<0.29	50	50	49.8	49.6	100	99	80-121	0	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	51.9	50.8	104	102	70-134	2	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	43.6	43.7	87	87	58-130	0	20	
Trichloroethene	ug/L	<0.32	50	50	51.7	51.8	103	104	70-130	0	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	55.6	55.4	111	111	82-151	0	20	
Vinyl chloride	ug/L	1.3	50	50	53.0	53.5	103	104	61-143	1	20	
4-Bromofluorobenzene (S)	%						100	101	70-130			
Dibromofluoromethane (S)	%						100	101	70-130			
Toluene-d8 (S)	%						98	99	70-130			

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF GW
Pace Project No.: 40224582

QC Batch: 382359 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40224582010

METHOD BLANK: 2205390 Matrix: Water
Associated Lab Samples: 40224582010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	04/20/21 07:20	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	04/20/21 07:20	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	04/20/21 07:20	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	04/20/21 07:20	
1,1-Dichloroethane	ug/L	<0.30	1.0	04/20/21 07:20	
1,1-Dichloroethene	ug/L	<0.58	1.0	04/20/21 07:20	
1,1-Dichloropropene	ug/L	<0.41	1.0	04/20/21 07:20	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	04/20/21 07:20	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	04/20/21 07:20	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	04/20/21 07:20	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	04/20/21 07:20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	04/20/21 07:20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	04/20/21 07:20	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	04/20/21 07:20	
1,2-Dichloroethane	ug/L	<0.29	1.0	04/20/21 07:20	
1,2-Dichloropropane	ug/L	<0.45	1.0	04/20/21 07:20	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	04/20/21 07:20	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	04/20/21 07:20	
1,3-Dichloropropane	ug/L	<0.30	1.0	04/20/21 07:20	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	04/20/21 07:20	
2,2-Dichloropropane	ug/L	<4.2	5.0	04/20/21 07:20	
2-Chlorotoluene	ug/L	<0.89	5.0	04/20/21 07:20	
4-Chlorotoluene	ug/L	<0.89	5.0	04/20/21 07:20	
Benzene	ug/L	<0.30	1.0	04/20/21 07:20	
Bromobenzene	ug/L	<0.36	1.0	04/20/21 07:20	
Bromochloromethane	ug/L	<0.36	5.0	04/20/21 07:20	
Bromodichloromethane	ug/L	<0.42	1.0	04/20/21 07:20	
Bromoform	ug/L	<3.8	5.0	04/20/21 07:20	
Bromomethane	ug/L	<1.2	5.0	04/20/21 07:20	
Carbon tetrachloride	ug/L	<0.37	1.0	04/20/21 07:20	
Chlorobenzene	ug/L	<0.86	1.0	04/20/21 07:20	
Chloroethane	ug/L	<1.4	5.0	04/20/21 07:20	
Chloroform	ug/L	<1.2	5.0	04/20/21 07:20	
Chloromethane	ug/L	<1.6	5.0	04/20/21 07:20	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	04/20/21 07:20	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	04/20/21 07:20	
Dibromochloromethane	ug/L	<2.6	5.0	04/20/21 07:20	
Dibromomethane	ug/L	<0.99	5.0	04/20/21 07:20	
Dichlorodifluoromethane	ug/L	<0.46	5.0	04/20/21 07:20	
Diisopropyl ether	ug/L	<1.1	5.0	04/20/21 07:20	

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF GW
Pace Project No.: 40224582

METHOD BLANK: 2205390 Matrix: Water
Associated Lab Samples: 40224582010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.33	1.0	04/20/21 07:20	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	04/20/21 07:20	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	04/20/21 07:20	
m&p-Xylene	ug/L	<0.70	2.0	04/20/21 07:20	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	04/20/21 07:20	
Methylene Chloride	ug/L	<0.32	5.0	04/20/21 07:20	
n-Butylbenzene	ug/L	<0.86	1.0	04/20/21 07:20	
n-Propylbenzene	ug/L	<0.35	1.0	04/20/21 07:20	
Naphthalene	ug/L	<1.1	5.0	04/20/21 07:20	
o-Xylene	ug/L	<0.35	1.0	04/20/21 07:20	
p-Isopropyltoluene	ug/L	<1.0	5.0	04/20/21 07:20	
sec-Butylbenzene	ug/L	<0.42	1.0	04/20/21 07:20	
Styrene	ug/L	<0.36	1.0	04/20/21 07:20	
tert-Butylbenzene	ug/L	<0.59	1.0	04/20/21 07:20	
Tetrachloroethene	ug/L	<0.41	1.0	04/20/21 07:20	
Tetrahydrofuran	ug/L	<2.4	25.0	04/20/21 07:20	
Toluene	ug/L	<0.29	1.0	04/20/21 07:20	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	04/20/21 07:20	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	04/20/21 07:20	
Trichloroethene	ug/L	<0.32	1.0	04/20/21 07:20	
Trichlorofluoromethane	ug/L	<0.42	1.0	04/20/21 07:20	
Vinyl chloride	ug/L	<0.17	1.0	04/20/21 07:20	
4-Bromofluorobenzene (S)	%	89	70-130	04/20/21 07:20	
Dibromofluoromethane (S)	%	103	70-130	04/20/21 07:20	
Toluene-d8 (S)	%	95	70-130	04/20/21 07:20	

LABORATORY CONTROL SAMPLE: 2205391

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.7	103	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.0	98	66-130	
1,1,2-Trichloroethane	ug/L	50	53.3	107	70-130	
1,1-Dichloroethane	ug/L	50	44.0	88	68-132	
1,1-Dichloroethene	ug/L	50	48.6	97	85-126	
1,2,4-Trichlorobenzene	ug/L	50	46.6	93	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	44.0	88	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	55.1	110	70-130	
1,2-Dichlorobenzene	ug/L	50	51.9	104	70-130	
1,2-Dichloroethane	ug/L	50	38.5	77	70-130	
1,2-Dichloropropane	ug/L	50	54.7	109	78-125	
1,3-Dichlorobenzene	ug/L	50	51.8	104	70-130	
1,4-Dichlorobenzene	ug/L	50	52.5	105	70-130	
Benzene	ug/L	50	45.7	91	70-132	
Bromodichloromethane	ug/L	50	57.4	115	70-130	

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF GW
Pace Project No.: 40224582

LABORATORY CONTROL SAMPLE: 2205391

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	68.7	137	65-130	L1
Bromomethane	ug/L	50	42.5	85	44-128	
Carbon tetrachloride	ug/L	50	49.1	98	70-130	
Chlorobenzene	ug/L	50	58.1	116	70-130	
Chloroethane	ug/L	50	46.1	92	73-137	
Chloroform	ug/L	50	46.5	93	80-122	
Chloromethane	ug/L	50	41.5	83	27-148	
cis-1,2-Dichloroethene	ug/L	50	46.8	94	70-130	
cis-1,3-Dichloropropene	ug/L	50	51.1	102	70-130	
Dibromochloromethane	ug/L	50	59.8	120	70-130	
Dichlorodifluoromethane	ug/L	50	39.3	79	22-151	
Ethylbenzene	ug/L	50	57.1	114	80-123	
Isopropylbenzene (Cumene)	ug/L	50	57.7	115	70-130	
m&p-Xylene	ug/L	100	120	120	70-130	
Methyl-tert-butyl ether	ug/L	50	41.6	83	66-130	
Methylene Chloride	ug/L	50	46.5	93	70-130	
o-Xylene	ug/L	50	58.1	116	70-130	
Styrene	ug/L	50	61.3	123	70-130	
Tetrachloroethene	ug/L	50	61.8	124	70-130	
Toluene	ug/L	50	56.9	114	80-121	
trans-1,2-Dichloroethene	ug/L	50	48.4	97	70-130	
trans-1,3-Dichloropropene	ug/L	50	50.0	100	58-125	
Trichloroethene	ug/L	50	59.4	119	70-130	
Trichlorofluoromethane	ug/L	50	52.0	104	84-148	
Vinyl chloride	ug/L	50	45.9	92	63-142	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2206639 2206640

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40224953002 Result	Spike Conc.	Spike Conc.	Result								
1,1,1-Trichloroethane	ug/L	<0.30	50	50	49.3	50.0	99	100	70-130	1	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	50.9	50.0	102	100	66-130	2	20		
1,1,2-Trichloroethane	ug/L	<0.34	50	50	53.5	51.9	107	104	70-130	3	20		
1,1-Dichloroethane	ug/L	<0.30	50	50	43.7	43.3	87	87	68-132	1	20		
1,1-Dichloroethene	ug/L	<0.58	50	50	46.8	47.8	94	96	76-132	2	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	50.1	49.7	100	99	70-130	1	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	47.8	47.3	96	95	51-126	1	20		
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	55.0	55.2	110	110	70-130	0	20		
1,2-Dichlorobenzene	ug/L	<0.33	50	50	53.2	52.6	106	105	70-130	1	20		
1,2-Dichloroethane	ug/L	<0.29	50	50	40.2	38.4	80	77	70-130	5	20		
1,2-Dichloropropane	ug/L	<0.45	50	50	54.8	54.8	110	110	77-125	0	20		

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF GW
 Pace Project No.: 40224582

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2206639		2206640		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40224953002 Result	MS Spike Conc.	MSD Spike Conc.									
1,3-Dichlorobenzene	ug/L	<0.35	50	50	52.9	52.3	106	105	70-130	1	20		
1,4-Dichlorobenzene	ug/L	<0.89	50	50	53.0	53.6	106	107	70-130	1	20		
Benzene	ug/L	<0.30	50	50	44.7	44.9	89	90	70-132	1	20		
Bromodichloromethane	ug/L	<0.42	50	50	56.0	56.3	112	113	70-130	1	20		
Bromoform	ug/L	<3.8	50	50	69.7	68.3	139	137	65-130	2	20	M0	
Bromomethane	ug/L	<1.2	50	50	46.7	48.1	93	96	44-128	3	21		
Carbon tetrachloride	ug/L	<0.37	50	50	48.2	48.4	96	97	70-132	0	20		
Chlorobenzene	ug/L	<0.86	50	50	56.8	58.0	114	116	70-130	2	20		
Chloroethane	ug/L	<1.4	50	50	46.7	46.8	93	94	70-137	0	20		
Chloroform	ug/L	<1.2	50	50	45.9	45.5	92	91	80-122	1	20		
Chloromethane	ug/L	<1.6	50	50	40.9	40.5	82	81	17-149	1	20		
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	47.6	46.9	95	94	70-130	1	20		
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	51.6	51.9	103	104	70-130	1	20		
Dibromochloromethane	ug/L	<2.6	50	50	59.7	58.9	119	118	70-130	1	20		
Dichlorodifluoromethane	ug/L	<0.46	50	50	34.1	35.4	68	71	22-158	4	20		
Ethylbenzene	ug/L	<0.33	50	50	54.8	56.7	110	113	80-123	3	20		
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	55.9	57.1	112	114	70-130	2	20		
m&p-Xylene	ug/L	<0.70	100	100	115	117	115	117	70-130	2	20		
Methyl-tert-butyl ether	ug/L	<1.1	50	50	42.8	41.3	86	83	66-130	4	20		
Methylene Chloride	ug/L	<0.32	50	50	46.5	46.0	93	92	70-130	1	20		
o-Xylene	ug/L	<0.35	50	50	55.7	57.3	111	115	70-130	3	20		
Styrene	ug/L	<0.36	50	50	58.7	60.0	117	120	70-130	2	20		
Tetrachloroethene	ug/L	<0.41	50	50	58.5	60.9	117	122	70-130	4	20		
Toluene	ug/L	<0.29	50	50	55.5	56.5	111	113	80-121	2	20		
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	47.6	47.7	95	95	70-134	0	20		
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	51.1	50.4	102	101	58-130	1	20		
Trichloroethene	ug/L	<0.32	50	50	57.2	58.4	114	117	70-130	2	20		
Trichlorofluoromethane	ug/L	<0.42	50	50	48.2	49.5	96	99	82-151	3	20		
Vinyl chloride	ug/L	<0.17	50	50	44.6	45.1	89	90	61-143	1	20		
4-Bromofluorobenzene (S)	%						103	103	70-130				
Dibromofluoromethane (S)	%						99	97	70-130				
Toluene-d8 (S)	%						99	101	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF GW

Pace Project No.: 40224582

QC Batch: 382459

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Analysis Description: 350.1 Ammonia, Distilled

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40224582009

METHOD BLANK: 2205817

Matrix: Water

Associated Lab Samples: 40224582009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.14	0.50	04/14/21 15:26	

LABORATORY CONTROL SAMPLE: 2205818

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	10	10.2	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2205819 2205820

Parameter	Units	40224851001		2205819		2205820		% Rec Limits	RPD	Max RPD	Qual	
		Result	MS Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Result					MS % Rec
Nitrogen, Ammonia	mg/L	<0.14	10	10	10	10.0	10.0	100	100	90-110	0	20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2205821 2205822

Parameter	Units	40224580003		2205821		2205822		% Rec Limits	RPD	Max RPD	Qual	
		Result	MS Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Result					MS % Rec
Nitrogen, Ammonia	mg/L	<0.14	10	10	10	10.5	10.5	104	104	90-110	0	20

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

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF GW
Pace Project No.: 40224582

QC Batch: 382303 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40224582009

METHOD BLANK: 2205123 Matrix: Water
Associated Lab Samples: 40224582009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.21	1.0	04/13/21 19:19	

LABORATORY CONTROL SAMPLE: 2205124

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	5	4.8	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2205125 2205126

Parameter	Units	40224675001		2205125		2205126		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Nitrogen, Kjeldahl, Total	mg/L	0.30J		5	5	5.2	5.0	99	94	90-110	5	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2205127 2205128

Parameter	Units	40224548001		2205127		2205128		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Nitrogen, Kjeldahl, Total	mg/L	1.7		5	5	6.7	6.6	101	98	90-110	2	20	

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

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QUALIFIERS

Project: 11115796 RHINELANDER LF GW

Pace Project No.: 40224582

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11115796 RHINELANDER LF GW
Pace Project No.: 40224582

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40224582001	MW-16A	EPA 8260	381780		
40224582002	MW-16A DUP	EPA 8260	381780		
40224582003	MW-16B	EPA 8260	381780		
40224582004	FIELD BLANK	EPA 8260	381780		
40224582005	MW-16C	EPA 8260	381780		
40224582006	MW-20C	EPA 8260	381780		
40224582007	MW-20B	EPA 8260	381841		
40224582008	MW-20A	EPA 8260	381841		
40224582009	MW-2A	EPA 8260	381841		
40224582010	MW-2B	EPA 8260	382359		
40224582001	MW-16A				
40224582002	MW-16A DUP				
40224582003	MW-16B				
40224582005	MW-16C				
40224582006	MW-20C				
40224582007	MW-20B				
40224582008	MW-20A				
40224582009	MW-2A				
40224582010	MW-2B				
40224582009	MW-2A	EPA 350.1	382459	EPA 350.1	382479
40224582009	MW-2A	EPA 351.2	382303	EPA 351.2	382368

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **GHD**
 Branch/Location: **St. Paul**
 Project Contact: **Grant Anderson**
 Phone: **612-524-6836**
 Project Number: **1115796**
 Project Name: **Rhindander LE GW**
 Project State: **Wisconsin**
 Sampled By (Print): **R. Coy**
 Sampled By (Sign): **Ry-S**



UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

40224582

CHAIN OF CUSTODY

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

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

Y/N	N	N	N															
Pick Letter	B	B	P															
Analyses Requested	VOC	Tetrahydrofuran	Ammonia + TN															

Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____
 CLIENT COMMENTS: _____
 LAB COMMENTS (Lab Use Only): _____
 Profile #: _____

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	W-210406-KJ-01	4/6/21	1459	GW
002	02		1459	
003	03		1456	
004	04		1445	
005	05		1508	
006	06		1539	
007	07		1551	
008	08		1554	
009	09		1644	
010	10		1652	

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

Relinquished By: *[Signature]* Date/Time: *4/7/21 1812*
 Received By: *[Signature]* Date/Time: *4/7/21 0812*

Transmit Prelim Rush Results by (complete what you want): _____

Receipt Temp = *4* °C

Sample Receipt pH: *OK* Adjusted

Cooler Custody Seal: Present / ~~Not Present~~ Intact / ~~Not Intact~~

PACE Project No. **40224582**

Client Name: GHD

Sample Preservation Receipt Form

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

Project # 40224582

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


Initial when completed: scw Date/Time:

Lab Lot# of pH paper: 10D 3601 Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass							Plastic					Vials				Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)						
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU								SP5T	ZPLC	GN			
001																																			2.5 / 5 / 10	
002																																			2.5 / 5 / 10	
003																																			2.5 / 5 / 10	
004																																			2.5 / 5 / 10	
005																																			2.5 / 5 / 10	
006																																			2.5 / 5 / 10	
007																																			2.5 / 5 / 10	
008																																			2.5 / 5 / 10	
009													1																						2.5 / 5 / 10	
010																																				2.5 / 5 / 10
011																																			2.5 / 5 / 10	
012																																				2.5 / 5 / 10
013																																				2.5 / 5 / 10
014																																				2.5 / 5 / 10
015																																				2.5 / 5 / 10
016																																				2.5 / 5 / 10
017																																				2.5 / 5 / 10
018																																				2.5 / 5 / 10
019																																				2.5 / 5 / 10
020																																				2.5 / 5 / 10

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

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

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


Sample Condition Upon Receipt Form (SCUR)

Client Name: GHD

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

Project #: _____

WO#: 40224582



40224582

Tracking #: _____

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

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

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used SR - 104 Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 4 / Corr: 4

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

Person examining contents:
 Date: 4-7-21 / Initials: SKW
 Labeled By Initials: SKW

Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____
