



2022 Site Monitoring Report

Former City of Rhineland Landfill

City of Rhineland

January 25, 2023

Table of Contents

1. Introduction	1
1.1 Location	1
1.2 Background	1
1.3 2022 Activities	1
2. Landfill Inspections	1
2.1 Grass Cover	1
2.2 Trespassing and Site Security	1
2.3 Beavers – Area 2 Restoration	2
3. Phytoremediation/Poplar Tree Cover	2
4. Surface Water Sampling	2
4.1 Sampling Dates and Methods	2
4.2 Sample Results	2
5. Groundwater Monitoring	3
5.1 Summary of Groundwater Monitoring Program	3
5.2 Hydraulic Monitoring Program	3
5.3 Groundwater Sampling Program	4
5.4 Groundwater Sampling Results	4
5.4.1 VOCs	4
5.4.2 Other Analytes	4
6. Conclusions and Recommendations	4

Figure index

Figure 1	Site Location
Figure 2	Surface Water Sampling Locations
Figure 3	Monitoring Well Locations
Figure 4	Shallow Groundwater Contours “A” Monitoring Wells
Figure 5	Intermediate Groundwater Contours “B” Monitoring Wells
Figure 6	Deep Groundwater Elevations “C” Monitoring Wells
Figure 7	October 2022 Enforcement Standard VOC Exceedances

Table of Contents (cont'd.)

Table index

Table 1	2022 Sample Collection and Analysis Summary – Surface Water Sampling Event
Table 2	2022 Surface Water Sample Results
Table 3	Chloride Results Relative to NR 105 Standards
Table 4	Dissolved Metals Results Relative to NR 105 Standards
Table 5	Ammonia Results Relative to NR 105 Standards
Table 6	Current Monitoring Plan
Table 7	2022 Groundwater Elevations
Table 8	2022 Monitoring Well Sample Summary
Table 9	Summary of Detected Compounds in Groundwater Samples

Appendices

Appendix A	Surface Water Sampling Laboratory Reports and Data Validation
Appendix B	Groundwater Sampling Laboratory Reports
Appendix C	Vinyl Chloride Graphs

1. Introduction

This report presents the results of the groundwater and surface water sampling program, along with the operation and maintenance activities, associated with former City of Rhinelander Landfill (Site). GHD Services Inc. (GHD) completed this report on behalf of the Rhinelander Landfill Group (RLG). The RLG retained GHD in June 2016 to perform the Site maintenance and monitoring activities.

1.1 Location

The former Site is located in the NE ¼ of Section 8 in Township 36 North, Range 9 East, Oneida County, Wisconsin. It is located at the confluence of Slaughterhouse Creek and the Pelican River along Old Highway 8. The Site is shown on Figure 1.

1.2 Background

The Site was opened in 1939 and ceased accepting waste in 1979. The landfill was closed and capped in 1980. The landfill was owned and operated by the City of Rhinelander throughout the entire 40-year operational period. The landfill is still currently owned by the City of Rhinelander.

1.3 2022 Activities

The following activities associated with the Site were conducted in 2022:

- April 19: Semi-Annual groundwater monitoring of 8 monitoring wells.
- April 19: Semi-Annual surface water sampling at three locations in Slaughterhouse Creek.
- June 9: GHD submits semi-annual groundwater monitoring report to the Wisconsin Department of Natural Resources (WDNR)
- July: City of Rhinelander mows the landfill cover.
- October 4-5: Annual groundwater sampling/monitoring of 20 monitoring wells.
- October 4: Semi-Annual surface water sampling at three locations in Slaughterhouse Creek.
- November 22: GHD submits semi-annual GEMS data to the WDNR.
- December 1: City conducts brush clearing around monitoring wells.

2. Landfill Inspections

A landfill inspection was completed during each of the two sampling events.

2.1 Grass Cover

The grass cover on the landfill is in good condition. Mowing was completed by the City of Rhinelander in July 2022.

2.2 Trespassing and Site Security

The fence surrounding the landfill is currently in good condition. There are no known trespassing issues for this reporting period.

2.3 Beavers – Area 2 Restoration

A small percentage of the Area 2 restoration willow trees have been harvested by beavers. This is especially noted along the water's edge on the north side of the restoration area. Harvested trees are noted to be re-sprouting and no additional effort is planned at this time.

3. Phytoremediation/Poplar Tree Cover

The RLG voluntarily planted hybrid poplar trees and willow trees on the north end of the landfill in 1999 and 2000. The trees cover an area of approximately 7-acres. These trees were planted to provide the benefits of phytoremediation to the groundwater and leachate on the north end of the landfill. The hybrid poplar trees are periodically evaluated for overall health and survival. Several fallen trees were observed and end-of-life mortality was noted in a small percentage of the trees.

The RLG sub-contracted a WDNR-Certified Forestry Plan Writer in 2018 to coordinate and oversee a logging contractor who harvested the trees by standard coppice methods. The coppice work included harvesting nearly all above-ground biomass, leaving only the stump and roots behind. During subsequent landfill inspections, it was noted that new growth was reemerging from the existing stumps and roots. Currently, the new trees are approximately ten to fifteen feet tall. The new growth is expected to continue the phytoremediation process.

4. Surface Water Sampling

4.1 Sampling Dates and Methods

Two rounds of surface water sampling were conducted in Slaughterhouse Creek in 2022: one in April and one in October. Samples were collected from the following locations and are presented on Figure 2:

- Upstream of the Site near the old Slaughterhouse (SW-10)
- Downstream of the landfill at the Newell Street Bridge (SW-20).
- At the toe of the Area 2 Restoration project (SW-28).

4.2 Sample Results

A surface water sample collection and analysis summary is included in Table 1. Surface water results from this period are shown in Table 2. All the results from this period are similar or within the normal range of variability when compared to prior sampling dates. Surface water laboratory reports, along with the Data Validation Memos, for this period are in Appendix A.

Chloride, ammonia, copper, lead, and zinc have established surface water quality standards as enumerated in Chapter NR 105, Wisc. Admin Code (NR 105). None of the 2022 results showed an exceedance of any applicable standard as expressed in NR 105. The discussion in this section compares the results to their codified NR 105 standards. To do this, certain field parameters (pH and temperature for ammonia/ammonium and hardness for metals) need to be considered in making the comparison to the standards. Comparisons of values using straight concentration comparisons are not valid for NR 105 exceedance evaluation for certain substances.

Chloride concentrations varied little among the six samples analyzed in 2022, ranging from 29.5 milligrams per liter (mg/L) to 112 mg/L. The acute chloride toxicity surface water quality criteria, as listed in Table 1 of NR 105, is 757 mg/L. The chronic chloride standard for warm water sportfish is 395 mg/L, as listed in Table 5 of NR 105. Table 3 shows the chloride data relative to the applicable NR 105 standards.

Copper and lead were not detected in any of the six surface water samples collected in 2022. Zinc was detected in one (SW-28 – April) of the six surface water samples with a detected concentration estimated (J) value of 15.9 micrograms per liter (µg/L). No metal results exceeded their respective standards relative to their applicable standard (analysis for zinc, copper, and lead) listed in Table 2 and Table 6 of NR 105. Table 4 shows the lead, zinc, and copper data relative to Table 2 and Table 6 of the NR 105 applicable standards.

Ammonia is regulated under Table 2C (acute toxicity), Table 4B (30-day chronic), and Table 4B (4-day chronic toxicity) of NR 105. The applicable standard is based on the temperature and pH of the sample water, and thus results from point to point or round to round are not directly comparable based on total concentrations. The samples collected from the April and October 2022 sampling events had no samples that exceeded the calculated standards from Table 2C and Table 4B. No other samples had concentrations above the acute or chronic standards. The last exceedance for ammonia at SW-28 was in the fall of 2021. The surface water locations will be sampled again in April 2023. Table 5 shows the ammonia data relative to the applicable NR 105 standards.

5. Groundwater Monitoring

5.1 Summary of Groundwater Monitoring Program

Figure 3 presents the network of monitoring wells identified for groundwater monitoring. The groundwater monitoring well network consists of a total of 35 wells, of which 29 are part of the monitoring program. These wells are screened in the upper, middle, and lower portions of the shallow regional aquifer.

Table 6 summarizes the sampling locations in the monitoring plan and illustrates any changes to the monitoring plan that have occurred during the monitoring period. A sample collection and analysis summary for the groundwater monitoring wells is included in Table 6.

During this reporting period, groundwater monitoring was conducted in April and October. The April 2022 sample event required collecting samples from nine monitoring wells. However, MW-28A, was inaccessible and not sampled due to spring flooding. The October 2022 round consisted of collecting samples from 20 monitoring wells and collecting field parameters only from 3 wells.

Monitoring well locations were sampled for analysis of volatile organic compounds (VOCs) + tetrahydrofuran. Select wells were sampled for ammonia/kjeldahl (TKN) nitrogen. Field parameters included in the sampling are pH, temperature, conductivity, oxidation-reduction potential, dissolved oxygen, and turbidity.

5.2 Hydraulic Monitoring Program

During this reporting period, GHD collected a water level measurement from each monitoring well during the annual fall sampling round. October 2022 groundwater contours for the upper “A” and middle “B” wells are presented on Figures 4 and 5. Groundwater elevations for the deep “C” wells are presented on Figure 6. Not enough data points were present to contour the “C” elevations. Table 7 presents the groundwater elevations for the October 2022 monitoring event.

Groundwater flow directions for the “A” and “B” wells exhibit a radial flow direction from the landfill to the surface water features located to the northwest (Slaughterhouse Creek) and southwest (Pelican River). Groundwater flows from the landfill towards Slaughterhouse Creek to the north and towards the Pelican River to the southwest.

The groundwater elevation data show upward vertical groundwater flow at monitoring well locations along Slaughterhouse Creek and Pelican River, which infers groundwater discharge into these surface water features.

5.3 Groundwater Sampling Program

Groundwater sampling was conducted in accordance with the April 29, 2016 letter from the WDNR to the RLG. Sampling methods are in accordance with the WDNR Groundwater Sampling Field Manual. Table 8 summarizes the monitoring well sampling events.

Samples were collected immediately after low flow purging and stabilization. Samples were placed in iced coolers and shipped via standard chain of custody procedures to Pace Analytical Laboratories in Green Bay, Wisconsin.

Appendix B contains a copy of the laboratory reports associated with the 2022 groundwater sampling events. A copy of the data quality assessments and validation memos are also provided in Appendix A.

Table 9 provides a summary of detected compounds in monitoring wells sampled during the April and October 2022 sampling events.

5.4 Groundwater Sampling Results

The analytical results from the 2022 sampling events, along with the previous six years, are presented on Table 9. The groundwater sampling results from 2022 are consistent with historical results. Groundwater laboratory reports for this period are in Appendix B.

5.4.1 VOCs

Three VOCs exceeded their respective Wisconsin Enforcement Standard (WES) in monitoring well samples collected during this reporting period: benzene, tetrahydrofuran, and vinyl chloride.

Benzene results exceeded the WES at one location (MW-2A). Tetrahydrofuran results exceeded the WES at three locations (MW-2A, MW-3A, and MW-21A). Vinyl chloride results exceeded the WES at ten locations (MW-2B, MW-16A, MW-16C, MW-18A, MW-20B, MW-20C, MW-25B, MW-26B, MW-26C, and MW-28A).

The VOC exceedances, along with the concentrations for the October 2022 monitoring event, are presented on Figure 7. Graphs of vinyl chloride concentrations over time at select well nests are provided in Appendix C.

5.4.2 Other Analytes

Ammonia exceeded the WES in the monitoring well samples collected during this reporting period at three locations (MW-2A, MW-3A, and MW-21A).

6. Conclusions and Recommendations

Based on the 2022 surface water and groundwater sampling activities, the following conclusions are made:

- No sample results from the 2022 surface water sampling events indicated an exceedance of any applicable standard.
- Other typical landfill parameters (ammonia) are present in groundwater but are not impacting the adjacent surface water.
- Groundwater exhibits a radial flow direction from the landfill towards Slaughterhouse Creek to the north and towards the Pelican River to the southwest.

- Three VOCs exceeded their respective WES in monitoring well samples collected during this reporting period: benzene, tetrahydrofuran, and vinyl chloride.
- Ammonia exceeded the WES in the monitoring well samples collected during this reporting period.
- The groundwater sampling results from 2022 are consistent with historical results.
- VOCs are sporadically present at low concentrations and do not indicate the presence of a plume emanating from the Site and impacting surface waters.

Based on the conclusions stated above, GHD, on behalf of the RLG, recommends the following:

- Currently, nine wells are sampled semi-annually, and eleven wells are sampled annually, GHD recommends sampling all twenty wells annually.
- Although groundwater samples are not collected from MW-19B, MW-19C, and MW-28B, field parameters are. GHD recommends discontinuing the collection of field parameters on these three wells.
- GHD recommends continuing the semi-annual sampling of the three surface water locations.

Tables

Table 1

**Sample Collection and Analysis Summary
Surface Water Sampling Event
Rhineland Landfill Site
Rhineland, Wisconsin**

Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Select Metals	Hardness	Chloride	Fecal Coliforms	Ammonia	Total Kjeldahl Nitrogen	Chemical Oxygen Demand	Nitrate/Nitrite	Turbidity	Comments
W-220419-RA-100	SW-20	water	4/19/2022	13:45	x	x	x	x	x	x	x	x	x	
W-220419-RA-101	SW-28	water	4/19/2022	14:00	x	x	x	x	x	x	x	x	x	
W-220419-RA-102	SW-10	water	4/19/2022	14:15	x	x	x	x	x	x	x	x	x	
W-221005-RA-100	SW-20	water	10/5/2022	10:50	x	x	x	x	x	x	x	x	x	
W-221005-RA-101	SW-28	water	10/5/2022	11:00	x	x	x	x	x	x	x	x	x	
W-221005-RA-102	SW-10	water	10/5/2022	11:10	x	x	x	x	x	x	x	x	x	

Notes:

VOC - Volatile Organic Compounds

Select Metals - Copper, Iron, Lead, Sodium, Zinc

Table 2

**2022 Surface Water Sample Results
Former City of Rhinelander Landfill - Slaughterhouse Creek
Rhinelander, Wisconsin**

Sample Location: Sample Date:	Unit	Upstream		Downstream		Near Seep	
		SW-10 04/19/22	SW-10 10/05/22	SW-20 04/19/22	SW-20 10/05/22	SW-28 04/19/22	SW-28 10/05/22
Parameters							
Metals							
Hardness	mg/L	41.0	110	32.3	140	35.9	129
Copper	µg/L	< 3.4	< 10.0	< 3.4	< 10.0	< 3.4	< 10.0
Iron	µg/L	2,560	6,680	1,510	5,290	1,510	6,730
Lead	µg/L	< 5.9	< 20.0	< 5.9	< 20.0	< 5.9	< 20.0
Sodium	µg/L	24,200	34,600	16,000	41,500	15,100	38,300
Zinc	µg/L	< 11.6	< 40.0	< 11.6	< 40.0	15.9 J	< 40.0
General Chemistry							
Fecal coliform bacteria	cfu/100mL	< 1.00	7.00 J	4.0	4.00 J	8.00	7.00 J
Ammonia	mg/L	< 0.14	< 0.50	0.26 J	0.36 J	0.36 J	0.75
Chemical oxygen demand (COD)	mg/L	23.7 J	< 50.0	25.9 J	< 50.0	25.9 J	32.5 J
Chloride	mg/L	48.1	74.6	30.8	112.0	29.5	88.5
Nitrite/Nitrate	mg/L	0.15 J	< 0.25	0.12 J	0.070 J	0.10 J	0.064 J
Total kjeldahl nitrogen (TKN)	mg/L	0.33 J	0.35 J	0.62 J	0.93 J	0.75 J	2.0
Field Data							
Temperature	° C	5.95	10.91	6.42	11.51	5.04	11.81
pH	SU	7.37	7.33	7.20	7.05	7.41	6.97
Conductivity	µS	225	387	194	429	178	469
Dissolved Oxygen	mg/L	7.80	8.66	9.22	6.06	6.01	1.4
Oxidation Reduction Potential	mV	21	-26	88	18	51	-22
Turbidity	NTU	0.0	5.4	0.6	68.4	0.0	141

Notes:

* - Possible Malfunction noted on field data reports.

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

< - Not detected at the associated reporting limit.

NT - Not Tested

Table 3

**Chloride Results Relative to NR 105 Standards
Former City of Rhinelander Landfill - Slaughterhouse Creek
Rhinelander, Wisconsin**

Sample Location	Sample Date	Parameter	Units	Result	WWSF Table 1 Standard	WWSF Table 5 Standard
SW-10	4/19/2022	Chloride	mg/L	48.1	757	395
SW-10	10/5/2022	Chloride	mg/L	74.6	757	395
SW-20	4/19/2022	Chloride	mg/L	30.8	757	395
SW-20	10/5/2022	Chloride	mg/L	112	757	395
SW-28	4/19/2022	Chloride	mg/L	29.5	757	395
SW-28	10/5/2022	Chloride	mg/L	88.5	757	395

Notes:

- mg/L - Milligram per liter
- WWSF - Warm water sportfish

Table 4

**Metals Results Relative to NR 105 Standards
Former City of Rhinelander Landfill - Slaughterhouse Creek
Rhinelander, Wisconsin**

Sample Location	Sample Date	Parameter	Units	Result	WWSF Table 2 Calculated Standard	WWSF Table 6 Calculated Standard
SW-10	4/19/2022	Copper	µg/L	< 3.4	6.69	4.83
SW-10	10/5/2022	Copper	µg/L	< 10.0	16.98	11.23
SW-20	4/19/2022	Copper	µg/L	< 3.4	5.34	3.94
SW-20	10/5/2022	Copper	µg/L	< 10.0	21.31	13.80
SW-28	4/19/2022	Copper	µg/L	< 3.4	5.90	4.31
SW-28	10/5/2022	Copper	µg/L	< 10.0	19.73	12.87
SW-10	4/19/2022	Lead	µg/L	< 5.9	45.18	11.83
SW-10	10/5/2022	Lead	µg/L	< 20.0	117.24	30.71
SW-20	4/19/2022	Lead	µg/L	< 5.9	35.88	9.40
SW-20	10/5/2022	Lead	µg/L	< 20.0	148.00	38.76
SW-28	4/19/2022	Lead	µg/L	< 5.9	39.74	10.41
SW-28	10/5/2022	Lead	µg/L	< 20.0	136.75	35.82
SW-10	4/19/2022	Zinc	µg/L	< 11.6	55.20	55.20
SW-10	10/5/2022	Zinc	µg/L	< 40.0	130.84	130.84
SW-20	4/19/2022	Zinc	µg/L	< 11.6	44.81	44.81
SW-20	10/5/2022	Zinc	µg/L	< 40.0	164.56	161.56
SW-28	4/19/2022	Zinc	µg/L	15.9 J	49.14	49.14
SW-28	10/5/2022	Zinc	µg/L	< 40.0	150.40	150.40

Notes:

- µg/L - Microgram per liter
- WWSF - Warm water sportfish
- J - Estimated concentration at or above the LOD and below the LOQ.
- < - Not detected at the associated reporting limit.

Table 5

**Ammonia Results Relative to NR 105 Standards
Former City of Rhinelander Landfill - Slaughterhouse Creek
Rhinelander, Wisconsin**

Sample Location	Sample Date	Parameter	Units	Result	Temperature (°C)	pH	WWSF Table 2C	WWSF Table 4B	WWSF Table 4B
							Acute Calculated	30-Day Calculated	Ammonia 4-Day
							Standard	Standard	Calculated
							Standard	Standard	Standard
SW-10	4/19/2022	Ammonia	mg/L	< 0.14	5.95	7.37	23.93	8.41	21.02
SW-10	10/5/2022	Ammonia	mg/L	< 0.50	10.91	7.33	25.23	6.28	15.70
SW-20	4/19/2022	Ammonia	mg/L	0.26 J	6.42	7.20	50.21	11.35	28.37
SW-20	10/5/2022	Ammonia	mg/L	0.36 J	11.51	7.05	34.49	7.03	17.58
SW-28	4/19/2022	Ammonia	mg/L	0.36 J	5.04	7.41	22.66	8.24	20.59
SW-28	10/5/2022	Ammonia	mg/L	0.75	11.81	6.97	37.03	7.12	17.79

Notes:

- mg/L - Milligram per liter
- WWSF - Warm water sportfish
- < - Not detected at the associated reporting limit.

Table 6

**Current Monitoring Plan
Rhineland Landfill
Rhineland, Wisconsin**

Sample Matrix	Field Parameters	Laboratory Parameters	Investigative Samples	QA Samples ⁽¹⁾				Total Per Round	Current Sampling Frequency
				Field Blanks	Field Duplicates	MS ⁽²⁾	MSD ⁽²⁾		
Groundwater									
Semi-Annual Wells ⁽³⁾	pH, Temperature, Conductivity, DO, Turbidity, ORP	VOCs+tetrahydrofuran, Ammonia-N ⁽⁶⁾ , Kjeldahl-N ⁽⁶⁾	9	1	1	1	1	13	Semi-Annually
Annual Wells ^{(4) (5)}	pH, Temperature, Conductivity, DO, Turbidity, ORP	VOCs+tetrahydrofuran, Ammonia-N ⁽⁶⁾ , Kjeldahl-N ⁽⁶⁾	11	1	1	-	-	13	Annually
Surface Water									
Surface Water ⁽⁷⁾	pH, Temperature, Conductivity, DO, Turbidity, ORP	Fecal Coliform, Ammonia, Kjeldahl-N, NO3+NO2, COD, Chloride, Turbidity, Cu, Fe, Pb, Na, Zn, Hardness	3	-	-	-	-	3	Semi-Annually

Notes:

- Semi-Annual sampling will occur in April and October.
- Annual sampling will occur in October (along with a complete round of water level measurements).

- 1 One trip blank, which consists of a filled 40-mL preserved glass vial, shall be shipped with each cooler of VOC water samples.
- 2 For MS/MSD samples within a water matrix, triple the normal sample volumes will be collected.
- 3 Semi-Annual Wells currently include: 2A, 2B, 16A, 16B, 16C, 20A, 20B, 20C, 28A
- 4 Annual Wells currently include: 3A, 4A, 5A, 18A, 18B, 18C, 21A, 25B, 26B, 26C, 27B
- 5 Field Parameters are recorded for the following annual wells but are not sampled - 19B, 19C, 28B
- 6 Only the following wells are sampled for Ammonia-N and Kjeldahl-N - 2A, 3A, 21A
- 7 Upstream (Sample Point 10), Area 2 Restoration (Sample Point 28), Downstream at Newell St. Bridge (Sample Point 20)

Table 7

**2022 Groundwater Elevation Summary
Rhinelanders Landfill
Rhinelanders, Wisconsin**

Monitoring Well	Top of Casing Elevation	<u>Groundwater Elevation</u>
		October 2022
MW2A	1527.01	1525.17
MW2B	1528.04	1525.34
MW3A	1527.02	1524.88
MW4A	1551.28	1535.53
MW4B	1549.99	1535.61
MW5A	1549.13	1533.11
MW16A	1533.07	1524.32
MW16B	1532.85	1524.29
MW16C	1533.09	1524.32
MW18A	1529.83	1524.53
MW18B	1529.83	1524.40
MW18C	1529.76	1524.36
MW19A	1531.91	1525.31
MW19B	1532.16	1525.04
MW19C	1532.04	1525.09
MW20A	1529.35	1525.30
MW20B	1530.56	1525.45
MW20C	1530.34	1525.51
MW21A	1528.42	1525.67
MW25A	1544.85	1528.86
MW25B	1545.18	1528.01
MW26A	1529.95	1524.50
MW26B	1529.21	1524.71
MW26C	1530.06	1524.48
MW27A	1537.44	1524.24
MW27B	1536.52	1525.10
MW27C	1536.79	1526.72
MW28A	1529.04	1522.42
MW28B	1528.33	1524.87

Notes:

All elevations in feet above mean sea level (AMSL)

Table 8

**2022 Monitoring Well Sampling Summary
Rhineland Landfill
Rhineland, Wisconsin**

Location	Date	Time	pH	Temp. (C)	Specific	Dissolved		Water Clarity	Water Level (ft)	Purge	Sample Number	
					Conductance (uS/cm)	ORP (mV)	Oxygen (mg/L)			Turbidity (NTU)		Rate (mL/min)
MW-16A	4/19/2022	14:08	7.02	5.91	464	-70	0.73	0.0	Clear	6.66	500	W-220419-RA-06
MW-16B	4/19/2022	13:52	7.16	7.87	699	-166	4.25	0.0	Clear	6.42	400	W-220419-RA-07
MW-16C	4/19/2022	14:17	6.97	7.87	726	-131	2.60	0.00	Clear	6.68	500	W-220419-RA-08
MW-20C	4/19/2022	11:59	6.89	7.33	633	-115	2.44	0.0	Clear	3.30	500	W-220419-RA-04 W-220419-RA-05 (Rinse Blank)
MW-20B	4/19/2022	11:39	6.89	7.39	550	-113	3.34	0.0	Clear	3.59	500	W-220419-RA-02 W-220419-RA-03 (Duplicate)
MW-20A	4/19/2022	11:49	6.63	3.79	571	-103	0.00	0.0	Clear	3.56	200	W-220419-RA-01 MS/MSD
MW-2A	4/19/2022	14:40	7.40	6.73	698	-104	2.55	0.0	Clear	NA	NA	W-220419-RA-09
MW-2B	4/19/2022	14:50	7.39	6.75	688	-104	269.00	0.0	Clear	NA	NA	W-220419-RA-10
MW-19B	10/5/2022	9:20	7.59	9.55	690	-101	0.00	1.6	Clear	NA	NA	-
MW-19C	10/5/2022	9:30	7.34	9.26	777	-108	0.00	43.0	Clear	NA	NA	-
MW-2A	10/5/2022	7:45	6.38	9.69	2920	-78	0.00	17.0	Clear	1.84	NA	W-221005-RA-17
MW-2B	10/5/2022	7:30	6.77	8.63	560	-82	0.00	3.1	Clear	NA	NA	W-221005-RA-16

Table 8

**2022 Monitoring Well Sampling Summary
Rhineland Landfill
Rhineland, Wisconsin**

Location	Date	Time	pH	Temp. (C)	Specific	ORP	Dissolved	Turbidity (NTU)	Water Clarity	Water Level (ft)	Purge	Sample Number
					Conductance (uS/cm)	(mV)	Oxygen (mg/L)				Rate (mL/min)	
MW-21A	10/5/2022	8:15	6.69	12.00	3490	-89	0.00	55.2	Clear	NA	NA	W-221005-RA-18
MW-3A	10/5/2022	8:45	NA	NA	NA	NA	NA	NA	NA	NA	NA	W-221005-RA-19
MW-5A	10/4/2021	15:05	6.58	15.44	699	155	7.54	2.7	Clear	16.02	150	W-221004-RA-10 W-221004-RA-11 (Field Blank)
MW-4A	10/4/2022	16:45	7.23	14.73	415	16	3.15	0.0	Clear	15.80	350	W-221004-RA-09
MW-25B	10/4/2022	16:10	8.28	10.94	341	-74	0.00	10.7	Clear	17.65	300	W-221004-RA-08
MW-16C	10/4/2022	14:35	7.30	13.43	703	-133	0.00	3.8	Clear	8.80	350	W-221004-RA-03 W-221004-RA-04 (Duplicate)
MW-16B	10/4/2022	15:10	7.31	9.23	716	-159	4.72	0.0	Clear	8.62	300	W-221004-RA-05
MW-16A	10/4/2022	14:30	8.48	14.25	500	-140	1.84	0.0	Clear	8.78	400	W-221004-RA-01
MW-18B	10/5/2022	11:50	7.15	14.35	675	26	0.00	0.4	Clear	5.45	500	W-221005-RA-24
MW-18C	10/5/2022	11:35	7.04	13.62	670	20	0.00	5.7	Clear	5.42	400	W-221005-RA-23
MW-18A	10/5/2022	11:05	7.41	13.74	627	-114	0.00	0.0	Clear	5.46	500	W-221005-RA-22
MW-20C	10/4/2022	17:50	6.96	11.37	638	-102	0.00	0.5	Clear	4.85	300	W-221004-RA-14

Table 8

**2022 Monitoring Well Sampling Summary
Rhinelanders Landfill
Rhinelanders, Wisconsin**

Location	Date	Time	pH	Temp. (C)	Specific Conductance (uS/cm)	ORP (mV)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Water Clarity	Water Level (ft)	Purge Rate (mL/min)	Sample Number
MW-26B	10/4/2022	15:20	8.07	12.70	405	-204	0.00	0.7	Clear	8.49	200	W-221004-RA-06
MW-26C	10/4/2022	15:45	7.74	11.60	517	-143	0.00	0.0	Clear	5.55	300	W-221004-RA-07
MW-20B	10/4/2022	18:00	7.13	12.83	555	-136	8.39	0.0	Clear	5.14	200	W-221004-RA-15
MW-20A	10/4/2022	17:40	6.26	13.01	1240	-109	0.98	14.2	Clear	4.20	100	W-221004-RA-12 W-221004-RA-13 (Duplicate)
MW-28A	10/5/2022	10:10	7.89	12.21	198	-58	7.95	5.9	Clear	6.8	400	W-221005-RA-21
MW-28B	10/5/2022	10:15	7.89	12.21	198	-58	7.95	5.9	Clear	NA	NA	-
MW-27B	10/5/2022	10:15	8.01	11.73	214	-64	1.32	0.6	Clear	12.10	250	W-221005-RA-20 MS/MSD

Table 9
Summary of Detected Compounds
Former City of Rhinelander Landfill
Rhinelander, Wisconsin

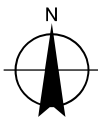
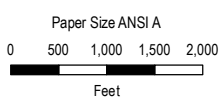
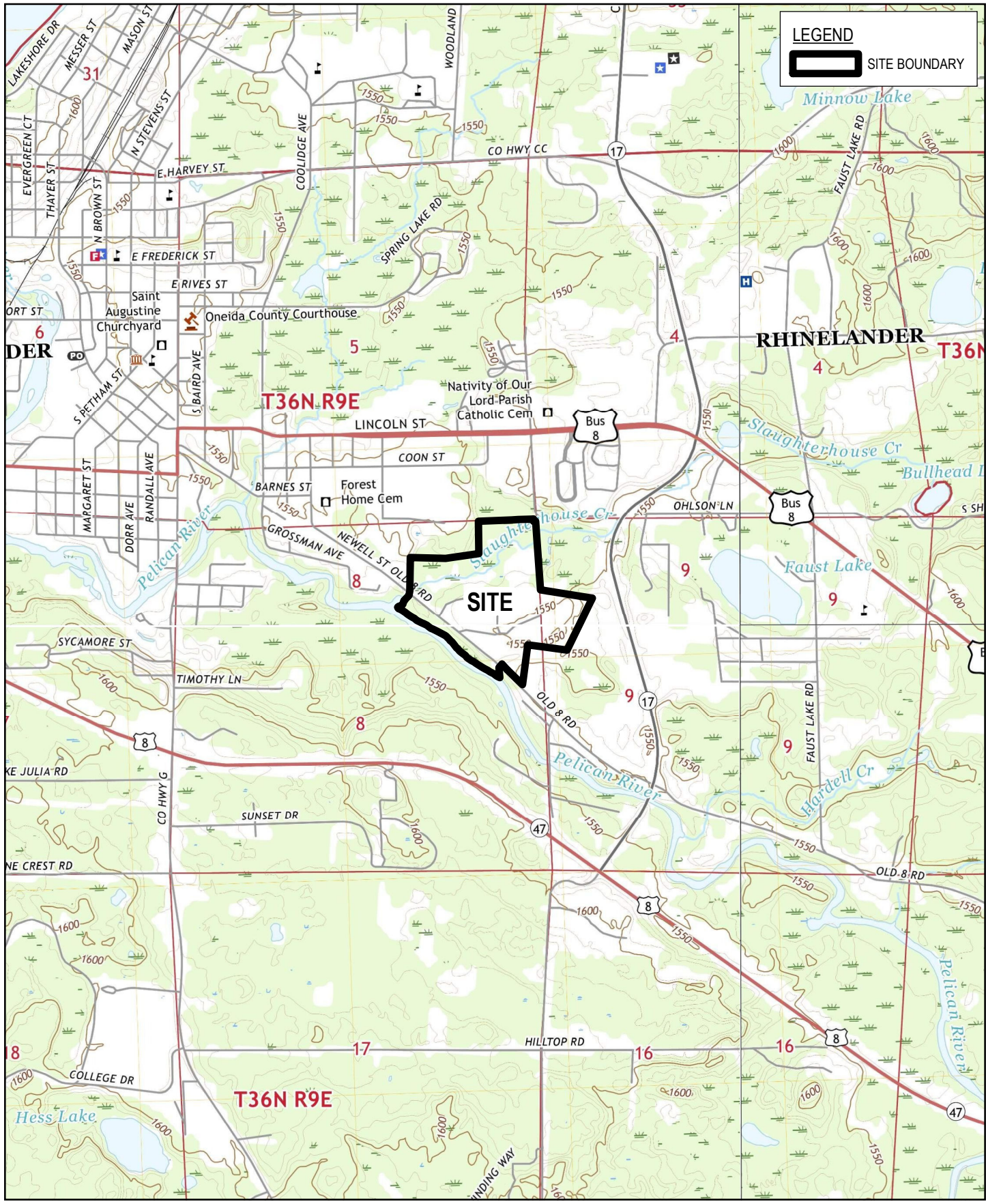
Table with columns: Location, Date, WES PAL QA/QC, and various chemical compounds (Boron, Hardness, Iron, Manganese, Alkalinity, Ammonia, Chloride, Total kjeldahl nitrogen, 1,1-Dichloroethane, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 1,2-Dichlorobenzene, 1,2-Dichloropropane, 1,4-Dichlorobenzene, Benzene, Chlorobenzene, Chloromethane, cis-1,2-Dichloroethene, Cymene, Dichlorodifluoromethane, Isopropyl benzene, m&p-Xylenes, o-Xylene, Methylene chloride, Naphthalene, N-Butylbenzene, N-Propylbenzene, Tetrachloroethene, Tetrahydrofuran, Toluene, Trichloroethene, Vinyl chloride). Rows list multiple samples (MW-20A, MW-20B, MW-20C, MW-21A, MW-25B, MW-26A, MW-26B) with their respective dates and concentration values in various units (ug/L, mg/L, ug/L, J).

Table 9
Summary of Detected Compounds
Former City of Rhinelander Landfill
Rhinelander, Wisconsin

Table with columns for Location, Date, WES/PAL/QA/QC, and various chemical compounds (Boron, Hardness, Iron, Manganese, Alkalinity, Ammonia, Chloride, Total Kjeldahl Nitrogen, 1,1-Dichloroethane, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 1,2-Dichlorobenzene, 1,2-Dichloropropane, 1,4-Dichlorobenzene, Benzene, Chlorobenzene, Chloromethane, cis-1,2-Dichloroethene, Cymene, Dichlorodifluoromethane, Isopropyl benzene, m&p-Xylenes, o-Xylene, Methylene chloride, Naphthalene, N-Butylbenzene, N-Propylbenzene, Tetrachloroethene, Tetrahydrofuran, Toluene, Trichloroethene, Vinyl chloride).

Notes:
WES - Wisconsin Enforcement Standard
PAL - Preventative Action Limit
Outlined cells exceed WES
ug/L - Micrograms per Liter
mg/L - Milligrams per Liter
D - Duplicate Sample
J - Estimated Concentration, may be biased low
J - Estimated Concentration
* - MW-28A listed as MW-8A on October 2021 Lab Report and Validation Memo (Memo-3).

Figures



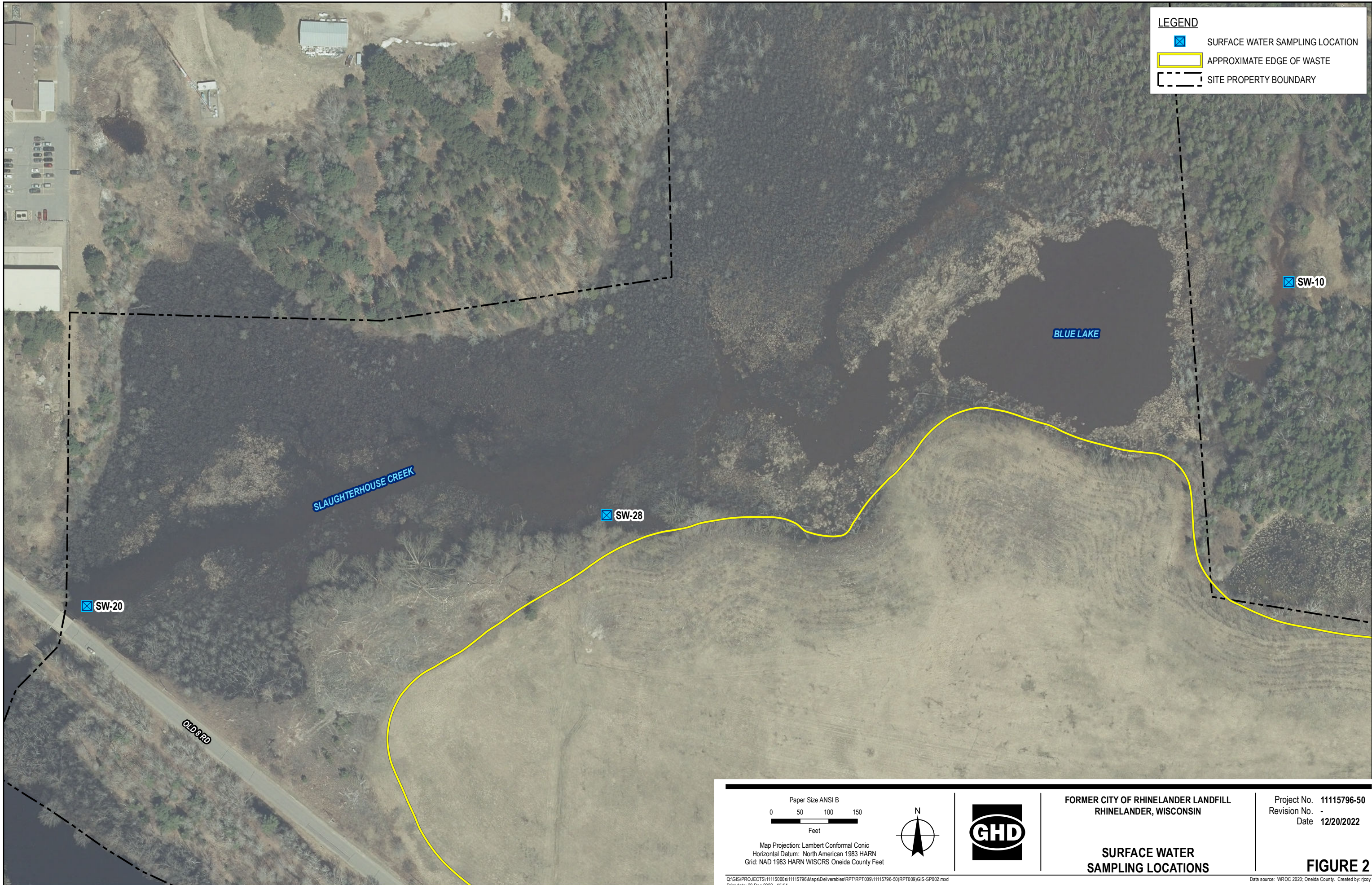
**FORMER CITY OF RHINELANDER LANDFILL
RHINELANDER, WISCONSIN**

Project No. 11115796-50
Revision No. -
Date 12/19/2022

Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983 HARN
Grid: NAD 1983 HARN WISCRS Oneida County Feet

SITE LOCATION

FIGURE 1



LEGEND

- ☒ SURFACE WATER SAMPLING LOCATION
- APPROXIMATE EDGE OF WASTE
- SITE PROPERTY BOUNDARY

☒ SW-10

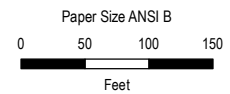
BLUE LAKE

SLAUGHTERHOUSE CREEK

☒ SW-28

☒ SW-20

OLD RD

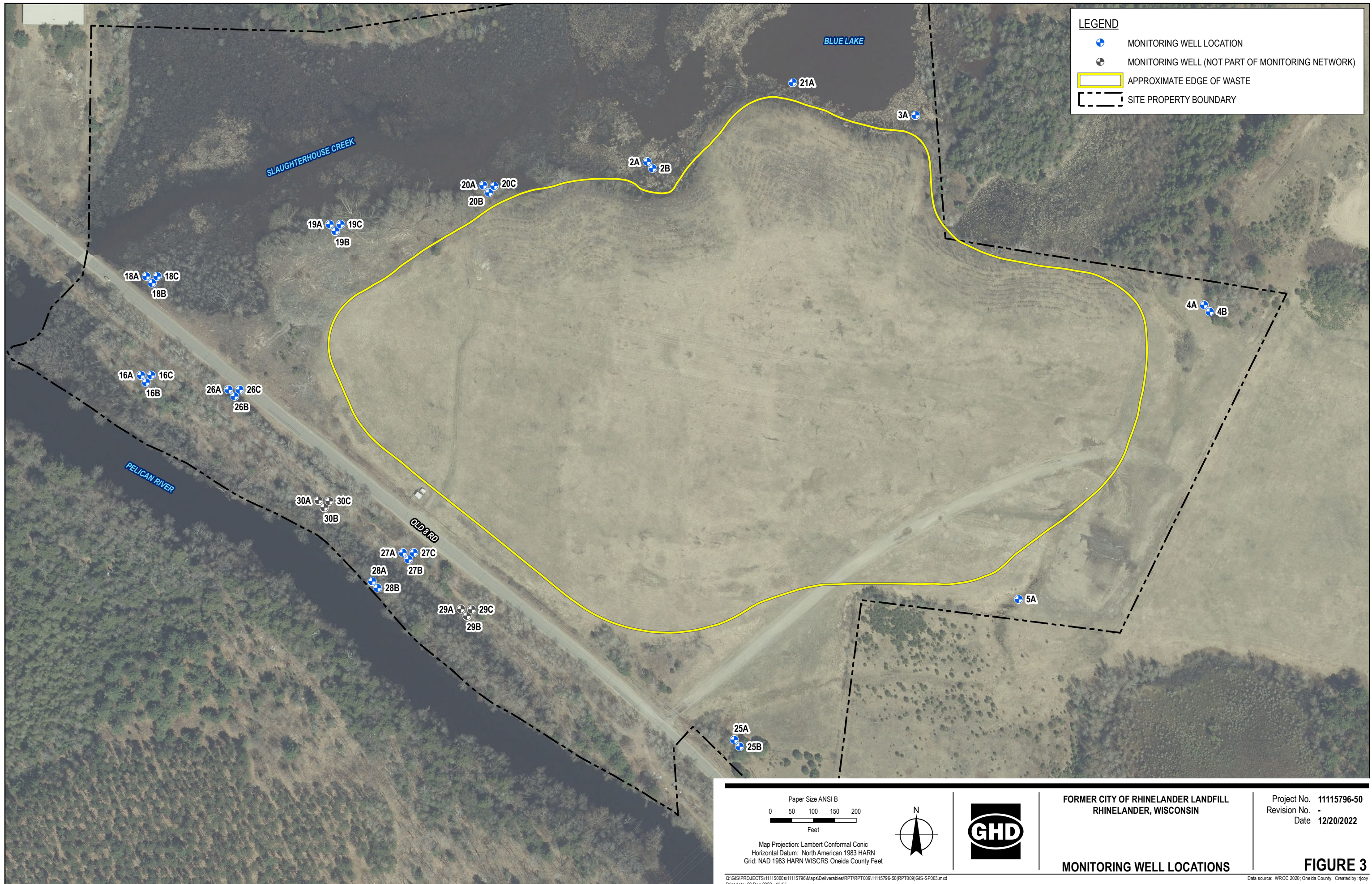


FORMER CITY OF RHINELANDER LANDFILL
RHINELANDER, WISCONSIN

Project No. 11115796-50
Revision No. -
Date 12/20/2022

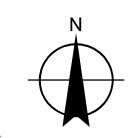
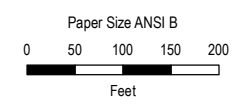
**SURFACE WATER
SAMPLING LOCATIONS**

FIGURE 2



LEGEND

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



Map Projection: Lambert Conformal Conic
 Horizontal Datum: North American 1983 HARN
 Grid: NAD 1983 HARN WISCRS Oneida County Feet

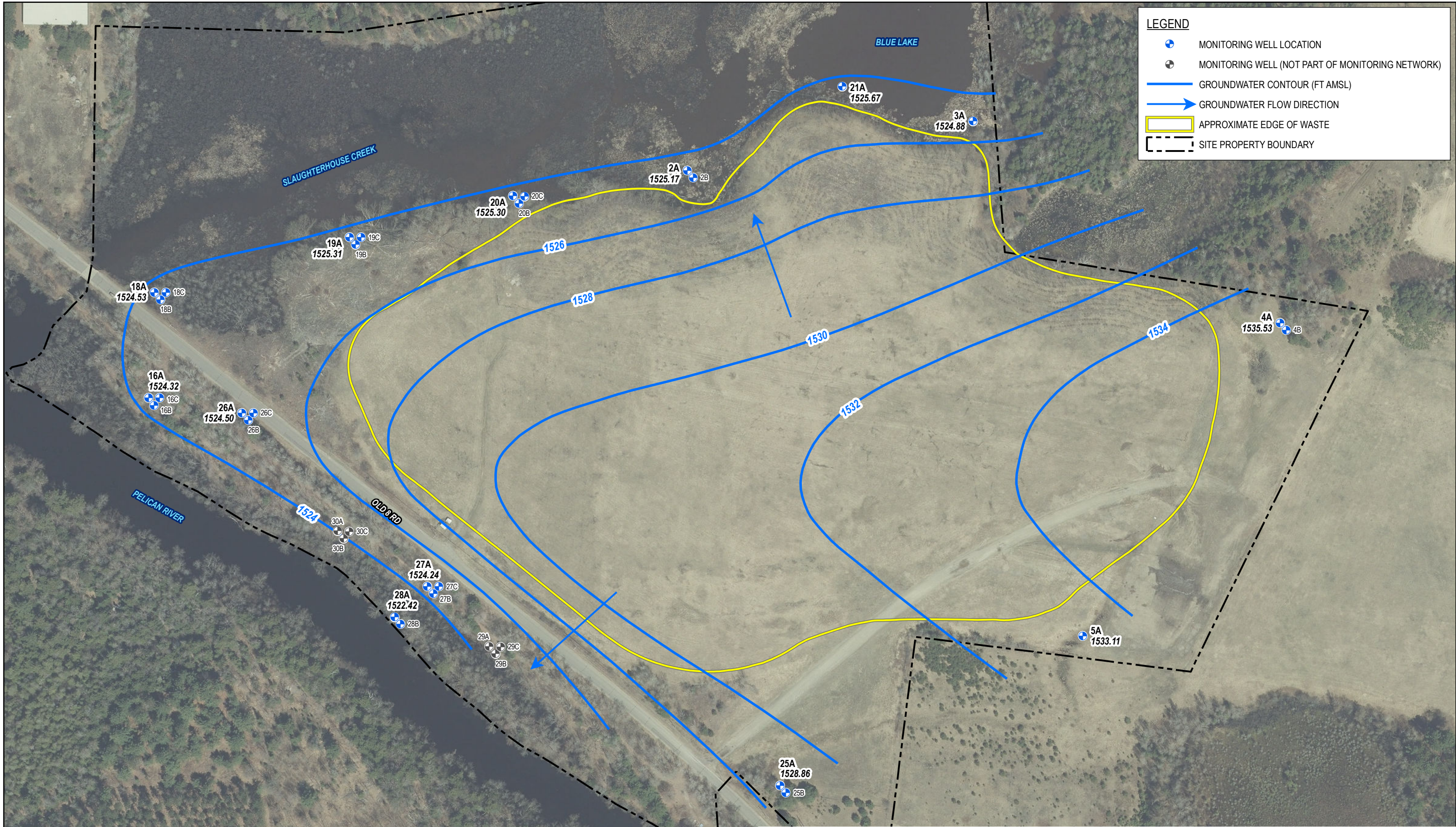


**FORMER CITY OF RHINELANDER LANDFILL
 RHINELANDER, WISCONSIN**

MONITORING WELL LOCATIONS

Project No. 11115796-50
 Revision No. -
 Date 12/20/2022

FIGURE 3



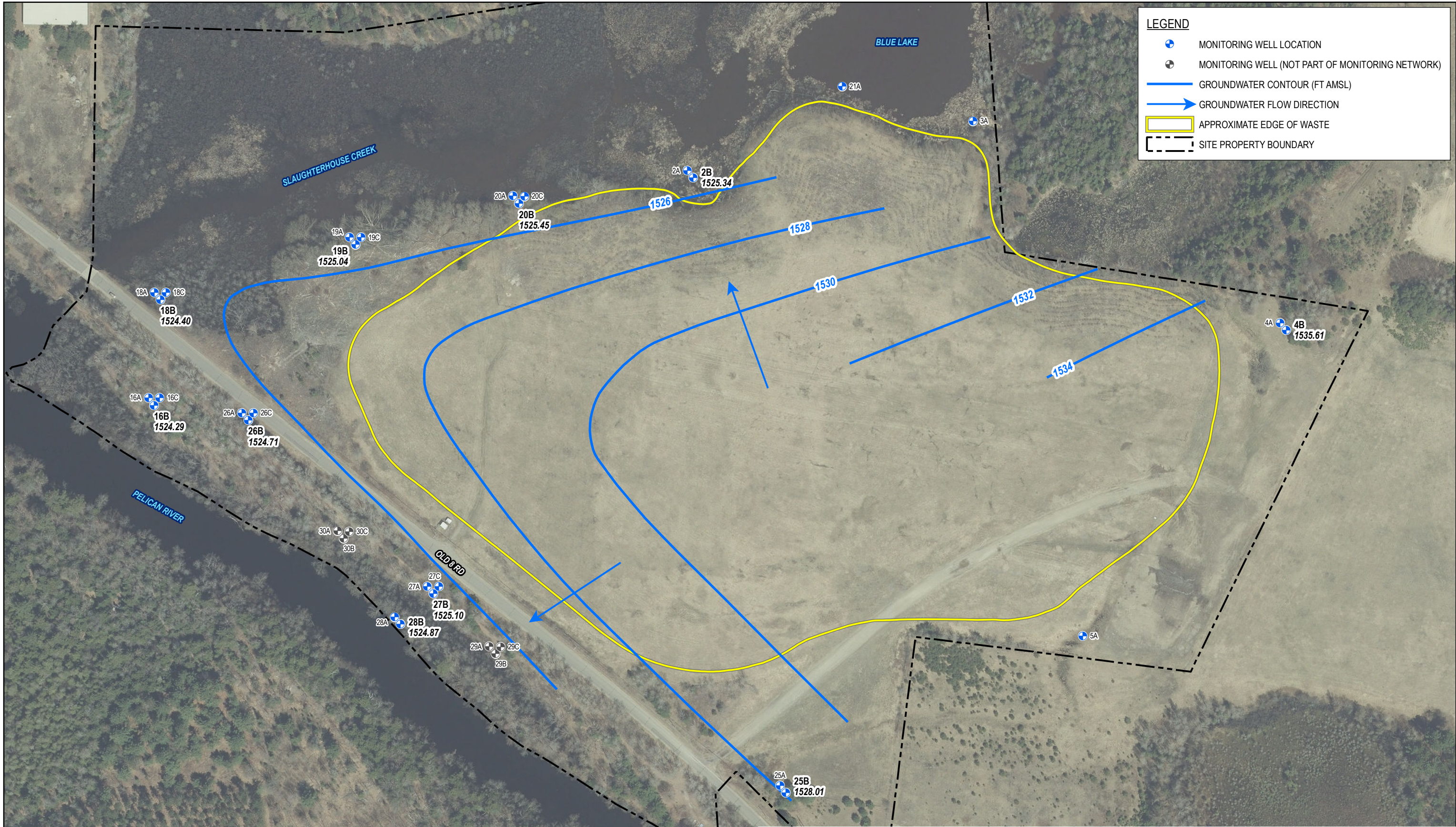
LEGEND

- ⊕ MONITORING WELL LOCATION
- ⊕ MONITORING WELL (NOT PART OF MONITORING NETWORK)
- GROUNDWATER CONTOUR (FT AMSL)
- GROUNDWATER FLOW DIRECTION
- APPROXIMATE EDGE OF WASTE
- SITE PROPERTY BOUNDARY

NOTES
 1524.38 GROUNDWATER ELEVATION (FT AMSL)

Paper Size ANSI B 0 50 100 150 200 Feet			FORMER CITY OF RHINELANDER LANDFILL RHINELANDER, WISCONSIN SHALLOW GROUNDWATER CONTOURS "A" MONITORING WELLS	Project No. 11115796-50 Revision No. - Date 12/20/2022
Map Projection: Lambert Conformal Conic Horizontal Datum: North American 1983 HARN Grid: NAD 1983 HARN WISCRS Oneida County Feet		FIGURE 4		

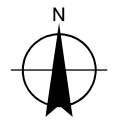
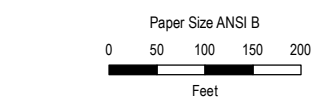
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 Print date: 20 Dec 2022 - 17:17
 Data source: WROC 2020; Oneida County. Created by: rjcoy



LEGEND

- ⊕ MONITORING WELL LOCATION
- ⊕ MONITORING WELL (NOT PART OF MONITORING NETWORK)
- GROUNDWATER CONTOUR (FT AMSL)
- GROUNDWATER FLOW DIRECTION
- APPROXIMATE EDGE OF WASTE
- SITE PROPERTY BOUNDARY

NOTES
 1524.38 GROUNDWATER ELEVATION (FT AMSL)



Map Projection: Lambert Conformal Conic
 Horizontal Datum: North American 1983 HARN
 Grid: NAD 1983 HARN WISCRS Oneida County Feet

**FORMER CITY OF RHINELANDER LANDFILL
 RHINELANDER, WISCONSIN**

**INTERMEDIATE
 GROUNDWATER CONTOURS
 "B" MONITORING WELLS**

Project No. 11115796-50
 Revision No. -
 Date 12/20/2022

FIGURE 5

Q:\GIS\PROJECTS\11115000a\11115796\Maps\Deliverables\RPT\RPT009\11115796-50\RPT009\GIS-SP005.mxd
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Data source: WROC 2020; Oneida County. Created by: jpcy



LEGEND

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

NOTES
 1524.38 GROUNDWATER ELEVATION (FT AMSL)

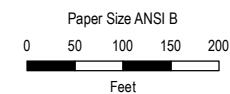
<p>Paper Size ANSI B 0 50 100 150 200 Feet</p>			<p>FORMER CITY OF RHINELANDER LANDFILL RHINELANDER, WISCONSIN</p>	<p>Project No. 11115796-50 Revision No. - Date 12/20/2022</p>
<p>Map Projection: Lambert Conformal Conic Horizontal Datum: North American 1983 HARN Grid: NAD 1983 HARN WISCRS Oneida County Feet</p>			<p>DEEP GROUNDWATER ELEVATIONS "C" MONITORING WELLS</p>	
<p>Q:\GIS\PROJECTS\11115000a\11115796\Maps\Deliverables\RPT\RPT009\11115796-50\RPT009\GIS-SP006.mxd Print date: 20 Dec 2022 - 17:18</p>				<p>Data source: WROC 2020; Oneida County. Created by: jpcy</p>

FIGURE 6



NOTES

- VC: 1.4** VINYL CHLORIDE CONCENTRATION (µg/L)
- TCE: 7.5** TRICHLOROETHENE CONCENTRATION (µg/L)
- THF: 90.1** TETRAHYDROFURAN CONCENTRATION (µg/L)
- BEN: 17.7** BENZENE CONCENTRATION (µg/L)



Map Projection: Lambert Conformal Conic
Horizontal Datum: North American 1983 HARN
Grid: NAD 1983 HARN WISCRS Oneida County Feet

FORMER CITY OF RHINELANDER LANDFILL
RHINELANDER, WISCONSIN

**OCTOBER 2022 ENFORCEMENT
STANDARD VOC EXCEEDANCES**

Project No. 11115796-50
Revision No. -
Date 12/20/2022

FIGURE 7

Appendices

Appendix A

**Surface Water Sampling Laboratory
Reports and Data Validation**

May 03, 2022

Grant Anderson
GHD Services
900 Long Lake Road
Suite 200
New Brighton, MN 55112

RE: Project: 11115796 RHINELANDER LF
Pace Project No.: 40243642

Dear Grant Anderson:

Enclosed are the analytical results for sample(s) received by the laboratory on April 20, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,



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

Enclosures



REPORT OF LABORATORY ANALYSIS

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

Project: 11115796 RHINELANDER LF

Pace Project No.: 40243642

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
Pace Project No.: 40243642

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40243642001	W-220419-RA-100	Water	04/19/22 13:45	04/20/22 09:45
40243642002	W-220419-RA-101	Water	04/19/22 14:00	04/20/22 09:45
40243642003	W-220419-RA-102	Water	04/19/22 14:15	04/20/22 09:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 11115796 RHINELANDER LF

Pace Project No.: 40243642

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40243642001	W-220419-RA-100	EPA 6010D	TXW	6
		SM 9222D	HNT	1
		EPA 180.1	HNT	1
		EPA 300.0	HMB	1
		EPA 350.1	TMK	1
		EPA 351.2	TMK	1
		EPA 353.2	DAW	1
		EPA 410.4	TJJ	1
40243642002	W-220419-RA-101	EPA 6010D	TXW	6
		SM 9222D	HNT	1
		EPA 180.1	HNT	1
		EPA 300.0	HMB	1
		EPA 350.1	TMK	1
		EPA 351.2	TMK	1
		EPA 353.2	DAW	1
		EPA 410.4	TJJ	1
40243642003	W-220419-RA-102	EPA 6010D	TXW	6
		SM 9222D	HNT	1
		EPA 180.1	HNT	1
		EPA 300.0	HMB	1
		EPA 350.1	TMK	1
		EPA 351.2	TMK	1
		EPA 353.2	DAW	1
		EPA 410.4	TJJ	1

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243642

Sample: W-220419-RA-100 **Lab ID: 40243642001** Collected: 04/19/22 13:45 Received: 04/20/22 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Copper	<3.4	ug/L	10.0	3.4	1	04/21/22 05:36	04/25/22 12:14	7440-50-8	
Iron	1510	ug/L	100	56.7	1	04/21/22 05:36	04/25/22 12:14	7439-89-6	
Lead	<5.9	ug/L	20.0	5.9	1	04/21/22 05:36	04/25/22 12:14	7439-92-1	
Sodium	16000	ug/L	500	350	1	04/21/22 05:36	04/25/22 12:14	7440-23-5	
Total Hardness by 2340B	32.3	mg/L	2.0	0.15	1	04/21/22 05:36	04/25/22 12:14		
Zinc	<11.6	ug/L	40.0	11.6	1	04/21/22 05:36	04/25/22 12:14	7440-66-6	
9222D MICRO Fecal Coli by MF									
Analytical Method: SM 9222D Preparation Method: SM 9222D Pace Analytical Services - Green Bay									
Fecal Coliforms	4.00	CFU/100 mL	2.0	2.0	2	04/20/22 11:12	04/20/22 11:12		H3
180.1 Turbidity									
Analytical Method: EPA 180.1 Pace Analytical Services - Green Bay									
Turbidity	6.4	NTU	1.0	1.0	1		04/20/22 13:29		
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	30.8	mg/L	2.0	0.43	1		04/28/22 00:42	16887-00-6	
350.1 Ammonia, Distilled									
Analytical Method: EPA 350.1 Preparation Method: EPA 350.1 Pace Analytical Services - Green Bay									
Nitrogen, Ammonia	0.26J	mg/L	0.50	0.14	1	04/28/22 23:11	04/29/22 00:29	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	0.62J	mg/L	1.0	0.21	1	04/27/22 20:48	04/28/22 01:58	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.12J	mg/L	0.25	0.059	1		04/25/22 12:12		
410.4 COD									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	25.9J	mg/L	50.0	14.7	1	05/03/22 04:02	05/03/22 06:28		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243642

Sample: W-220419-RA-101 **Lab ID: 40243642002** Collected: 04/19/22 14:00 Received: 04/20/22 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Copper	<3.4	ug/L	10.0	3.4	1	04/21/22 05:36	04/25/22 12:16	7440-50-8	
Iron	1510	ug/L	100	56.7	1	04/21/22 05:36	04/25/22 12:16	7439-89-6	
Lead	<5.9	ug/L	20.0	5.9	1	04/21/22 05:36	04/25/22 12:16	7439-92-1	
Sodium	15100	ug/L	500	350	1	04/21/22 05:36	04/25/22 12:16	7440-23-5	
Total Hardness by 2340B	35.9	mg/L	2.0	0.15	1	04/21/22 05:36	04/25/22 12:16		
Zinc	15.9J	ug/L	40.0	11.6	1	04/21/22 05:36	04/25/22 12:16	7440-66-6	
9222D MICRO Fecal Coli by MF									
Analytical Method: SM 9222D Preparation Method: SM 9222D Pace Analytical Services - Green Bay									
Fecal Coliforms	8.00	CFU/100 mL	1.0	1.0	1	04/20/22 11:12	04/20/22 11:12		H3
180.1 Turbidity									
Analytical Method: EPA 180.1 Pace Analytical Services - Green Bay									
Turbidity	6.7	NTU	1.0	1.0	1		04/20/22 13:30		
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	29.5	mg/L	2.0	0.43	1		04/28/22 00:57	16887-00-6	
350.1 Ammonia, Distilled									
Analytical Method: EPA 350.1 Preparation Method: EPA 350.1 Pace Analytical Services - Green Bay									
Nitrogen, Ammonia	0.36J	mg/L	0.50	0.14	1	04/28/22 23:11	04/29/22 00:35	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	0.75J	mg/L	1.0	0.21	1	04/27/22 20:48	04/28/22 01:59	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.10J	mg/L	0.25	0.059	1		04/25/22 12:12		
410.4 COD									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	25.9J	mg/L	50.0	14.7	1	05/03/22 04:02	05/03/22 06:28		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243642

Sample: W-220419-RA-102 **Lab ID: 40243642003** Collected: 04/19/22 14:15 Received: 04/20/22 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Copper	<3.4	ug/L	10.0	3.4	1	04/21/22 05:36	04/25/22 12:18	7440-50-8	
Iron	2560	ug/L	100	56.7	1	04/21/22 05:36	04/25/22 12:18	7439-89-6	
Lead	<5.9	ug/L	20.0	5.9	1	04/21/22 05:36	04/25/22 12:18	7439-92-1	
Sodium	24200	ug/L	500	350	1	04/21/22 05:36	04/25/22 12:18	7440-23-5	
Total Hardness by 2340B	41.0	mg/L	2.0	0.15	1	04/21/22 05:36	04/25/22 12:18		
Zinc	<11.6	ug/L	40.0	11.6	1	04/21/22 05:36	04/25/22 12:18	7440-66-6	
9222D MICRO Fecal Coli by MF									
Analytical Method: SM 9222D Preparation Method: SM 9222D Pace Analytical Services - Green Bay									
Fecal Coliforms	<1.00	CFU/100 mL	1.0	1.0	1	04/20/22 11:12	04/20/22 11:12		H3
180.1 Turbidity									
Analytical Method: EPA 180.1 Pace Analytical Services - Green Bay									
Turbidity	9.3	NTU	1.0	1.0	1		04/20/22 13:31		
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	48.1	mg/L	2.0	0.43	1		04/28/22 01:12	16887-00-6	
350.1 Ammonia, Distilled									
Analytical Method: EPA 350.1 Preparation Method: EPA 350.1 Pace Analytical Services - Green Bay									
Nitrogen, Ammonia	<0.14	mg/L	0.50	0.14	1	04/28/22 23:11	04/29/22 00:37	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	0.33J	mg/L	1.0	0.21	1	04/27/22 20:48	04/28/22 02:00	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.15J	mg/L	0.25	0.059	1		04/25/22 12:13		
410.4 COD									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	23.7J	mg/L	50.0	14.7	1	05/03/22 04:02	05/03/22 06:28		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF

Pace Project No.: 40243642

QC Batch: 413914

Analysis Method: SM 9222D

QC Batch Method: SM 9222D

Analysis Description: 9222D MICRO Fecal Coliform by MF

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40243642001, 40243642002, 40243642003

METHOD BLANK: 2381728

Matrix: Water

Associated Lab Samples: 40243642001, 40243642002, 40243642003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fecal Coliforms	CFU/100 mL	<1.00	1.0	04/20/22 11:12	

METHOD BLANK: 2381730

Matrix: Water

Associated Lab Samples: 40243642001, 40243642002, 40243642003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fecal Coliforms	CFU/100 mL	<1.00	1.0	04/20/22 11:12	

SAMPLE DUPLICATE: 2381729

Parameter	Units	40243642001 Result	Dup Result	RPD	Max RPD	Qualifiers
Fecal Coliforms	CFU/100 mL	4.00	14.0			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243642

QC Batch: 413728 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40243642001, 40243642002, 40243642003

METHOD BLANK: 2382131 Matrix: Water
Associated Lab Samples: 40243642001, 40243642002, 40243642003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	<3.4	10.0	04/25/22 11:36	
Iron	ug/L	<56.7	100	04/25/22 11:36	
Lead	ug/L	<5.9	20.0	04/25/22 11:36	
Sodium	ug/L	<350	500	04/25/22 11:36	
Total Hardness by 2340B	mg/L	<0.15	2.0	04/25/22 11:36	
Zinc	ug/L	<11.6	40.0	04/25/22 11:36	

LABORATORY CONTROL SAMPLE: 2382132

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	250	253	101	80-120	
Iron	ug/L	10000	10500	105	80-120	
Lead	ug/L	250	255	102	80-120	
Sodium	ug/L	10000	10000	100	80-120	
Total Hardness by 2340B	mg/L		68.8			
Zinc	ug/L	250	261	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2382133 2382134

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40243658001 Result	Spike Conc.	Spike Conc.	Result						
Copper	ug/L	8.5J	250	250	264	267	102	103	75-125	1	20
Iron	ug/L	122	10000	10000	10400	10400	102	103	75-125	0	20
Lead	ug/L	<5.9	250	250	254	250	102	100	75-125	2	20
Sodium	ug/L	193000	10000	10000	202000	203000	97	105	75-125	0	20
Total Hardness by 2340B	mg/L	264000			328	329				0	20
Zinc	ug/L	<11.6	250	250	263	261	103	102	75-125	1	20

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF

Pace Project No.: 40243642

QC Batch: 413701

Analysis Method: EPA 180.1

QC Batch Method: EPA 180.1

Analysis Description: 180.1 Turbidity

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40243642001, 40243642002, 40243642003

METHOD BLANK: 2381965

Matrix: Water

Associated Lab Samples: 40243642001, 40243642002, 40243642003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Turbidity	NTU	<1.0	1.0	04/20/22 13:27	

LABORATORY CONTROL SAMPLE: 2381966

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Turbidity	NTU	521	550	106	90-110	

SAMPLE DUPLICATE: 2381967

Parameter	Units	40243642001 Result	Dup Result	RPD	Max RPD	Qualifiers
Turbidity	NTU	6.4	6.6	3	10	

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243642

QC Batch: 414062 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40243642001, 40243642002, 40243642003

METHOD BLANK: 2384217 Matrix: Water
Associated Lab Samples: 40243642001, 40243642002, 40243642003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.43	2.0	04/27/22 19:45	

LABORATORY CONTROL SAMPLE: 2384218

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	21.0	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2384219 2384220

Parameter	Units	40243584001		2384219		2384220		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.					
Chloride	mg/L	305	200	200	510	507	102	101	90-110	1	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2384221 2384222

Parameter	Units	40243683006		2384221		2384222		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.					
Chloride	mg/L	38.6	100	100	149	148	111	110	90-110	1	15 M0	

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243642

QC Batch: 414387 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: 40243642001, 40243642002, 40243642003

METHOD BLANK: 2386024 Matrix: Water

Associated Lab Samples: 40243642001, 40243642002, 40243642003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.14	0.50	04/29/22 00:25	

LABORATORY CONTROL SAMPLE: 2386025

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	10	10.7	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2386026 2386027

Parameter	Units	40243659001		2386027		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
Nitrogen, Ammonia	mg/L	<0.14	10	10	10.3	10.3	102	103	90-110	1	20		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2386028 2386029

Parameter	Units	40243687001		2386029		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
Nitrogen, Ammonia	mg/L	0.23J	10	10	10.6	10.7	104	104	90-110	0	20		

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF

Pace Project No.: 40243642

QC Batch: 414277

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: 40243642001, 40243642002, 40243642003

METHOD BLANK: 2385262

Matrix: Water

Associated Lab Samples: 40243642001, 40243642002, 40243642003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.21	1.0	04/28/22 01:45	

LABORATORY CONTROL SAMPLE: 2385263

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	5	4.9	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2385264 2385265

Parameter	Units	40243779001		2385265		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Nitrogen, Kjeldahl, Total	mg/L	68.6	50	50	119	120	101	102	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2385266 2385267

Parameter	Units	40243837001		2385267		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Nitrogen, Kjeldahl, Total	mg/L	<0.21	5	5	5.2	5.2	100	100	90-110	0	20	

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243642

QC Batch: 413956 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40243642001, 40243642002, 40243642003

METHOD BLANK: 2383847 Matrix: Water
Associated Lab Samples: 40243642001, 40243642002, 40243642003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.059	0.25	04/25/22 12:03	

LABORATORY CONTROL SAMPLE: 2383848

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.5	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2383849 2383850

Parameter	Units	40243683009		2383850		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Nitrogen, NO2 plus NO3	mg/L	<0.059	2.5	2.5	2.0	2.0	81	81	90-110	0	20 M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2383851 2383852

Parameter	Units	40243684007		2383852		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Nitrogen, NO2 plus NO3	mg/L	<0.059	2.5	2.5	1.5	1.5	60	60	90-110	0	20 M0

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243642

QC Batch: 414478 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40243642001, 40243642002, 40243642003

METHOD BLANK: 2386856 Matrix: Water
Associated Lab Samples: 40243642001, 40243642002, 40243642003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<14.7	50.0	05/03/22 06:27	

LABORATORY CONTROL SAMPLE: 2386857

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	514	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2386858 2386859

Parameter	Units	40243584001		2386858		2386859		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.					
Chemical Oxygen Demand	mg/L	22.7J	526	526	526	589	571	108	104	90-110	3	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2386860 2386861

Parameter	Units	40243584002		2386860		2386861		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.					
Chemical Oxygen Demand	mg/L	29.6J	526	526	526	559	559	101	101	90-110	0	10

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QUALIFIERS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40243642

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

H3 Sample was received or analysis requested beyond the recognized method holding time.

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11115796 RHINELANDER LF

Pace Project No.: 40243642

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40243642001	W-220419-RA-100	EPA 3010A	413728	EPA 6010D	413810
40243642002	W-220419-RA-101	EPA 3010A	413728	EPA 6010D	413810
40243642003	W-220419-RA-102	EPA 3010A	413728	EPA 6010D	413810
40243642001	W-220419-RA-100	SM 9222D	413670	SM 9222D	413914
40243642002	W-220419-RA-101	SM 9222D	413670	SM 9222D	413914
40243642003	W-220419-RA-102	SM 9222D	413670	SM 9222D	413914
40243642001	W-220419-RA-100	EPA 180.1	413701		
40243642002	W-220419-RA-101	EPA 180.1	413701		
40243642003	W-220419-RA-102	EPA 180.1	413701		
40243642001	W-220419-RA-100	EPA 300.0	414062		
40243642002	W-220419-RA-101	EPA 300.0	414062		
40243642003	W-220419-RA-102	EPA 300.0	414062		
40243642001	W-220419-RA-100	EPA 350.1	414387	EPA 350.1	414390
40243642002	W-220419-RA-101	EPA 350.1	414387	EPA 350.1	414390
40243642003	W-220419-RA-102	EPA 350.1	414387	EPA 350.1	414390
40243642001	W-220419-RA-100	EPA 351.2	414277	EPA 351.2	414282
40243642002	W-220419-RA-101	EPA 351.2	414277	EPA 351.2	414282
40243642003	W-220419-RA-102	EPA 351.2	414277	EPA 351.2	414282
40243642001	W-220419-RA-100	EPA 353.2	413956		
40243642002	W-220419-RA-101	EPA 353.2	413956		
40243642003	W-220419-RA-102	EPA 353.2	413956		
40243642001	W-220419-RA-100	EPA 410.4	414478	EPA 410.4	414632
40243642002	W-220419-RA-101	EPA 410.4	414478	EPA 410.4	414632
40243642003	W-220419-RA-102	EPA 410.4	414478	EPA 410.4	414632

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CHAIN-OF-CUSTODY Analytical Request Document

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

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

40243642

ALL SHADED AREAS are for LAB USE ONLY

Company: **GHD** Billing Information: **GHD**

Address: **900 Long Lake Rd St. Paul MN**

Report To: **Grant Anderson** Email To: _____

Copy To: _____ Site Collection Info/Address: _____

Container Preservative Type **

Lab Project Manager: _____

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

Customer Project Name/Number: **Rhineland LP 1115796** State: **1** County/City: _____ Time Zone Collected: [] PT [] MT [] CT [] ET

Phone: _____ Site/Facility ID #: _____ Compliance Monitoring? [] Yes [] No

Email: **612529 6855**

Collected By (print): **Ryan Amet** Purchase Order #: _____ Quote #: _____ DW PWS ID #: _____ DW Location Code: _____

Collected By (signature): _____ Turnaround Date Required: _____ Immediately Packed on Ice: [] Yes [] No

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

Analyses										Lab Profile/Line:
Lab Sample Receipt Checklist:										
Custody Seals Present Intact Y N NA										
Custody Signatures Present Y N NA										
Collector Signatures Present Y N NA										
Bottles Intact Y N NA										
Correct Labels Y N NA										
Sufficient Volume Y N NA										
Samples Readded on Ice Y N NA										
VOA - Headspace Acceptable Y N NA										
USDA Regulated Soils Y N NA										
Samples in Holding Time Y N NA										
Residual Chlorine Present Y N NA										
Cl Strips: _____										
Sample pH Acceptable Y N NA										
pH Strips: _____										
Sulfide Present Y N NA										
Lead Acetate Strips: _____										

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns	Fecal Coliform	Ammonia, TKN, NH ₄ , COD	Chloride, turbidity	Metals and Arsenic
			Date	Time	Date	Time						
W-220419-RA-100	SW	G	4/19	1345			4	Y	Y	Y	Y	Y
W-220419-RA-101	↓	↓	↓	1400			4	Y	Y	Y	Y	Y
W-220419-RA-102	↓	↓	↓	1415			4	Y	Y	Y	Y	Y

LAB USE ONLY:										
Lab Sample # / Comments:										
001										
002										
003										

Customer Remarks / Special Conditions / Possible Hazards: **No time on bottles**

Type of Ice Used: Wet Blue Dry None

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

Packing Material Used: _____

Lab Tracking #: **2764317**

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

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: _____

Cooler 1 Temp Upon Receipt: _____ °C

Cooler 1 Therm Corr. Factor: _____ °C

Cooler 1 Corrected Temp: _____ °C

Comments: _____

Relinquished by/Company: (Signature) [Signature] GHD	Date/Time: 4/19/22 1330	Received by/Company: (Signature) _____	Date/Time: _____	MTJL LAB USE ONLY
Relinquished by/Company: (Signature) [Signature] Fed Ex	Date/Time: 4/20/22 0945	Received by/Company: (Signature) [Signature] Susan K. White	Date/Time: 4/20/22 0945	
Relinquished by/Company: (Signature) _____	Date/Time: _____	Received by/Company: (Signature) _____	Date/Time: _____	

Table #: _____

Account: _____

Template: _____

Prelogin: _____

PM: _____

PB: _____

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: Page 18 of 20

Client Name: GHD

Sample Preservation Receipt Form
 Project # 40243642

All containers needing preservation have been checked and noted below: Yes No N/A
 Lab Lot# of pH paper: 10D3112 Lab Std #/ID of preservation (if pH adjusted):
 Initial when completed: SEW Date/Time:

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

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

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

Sample Condition Upon Receipt Form (SCUR)

Client Name: GHD

Project #:

WO#: 40243642



Courier: CS Logistics Fed Ex Speedee UPS Waltco

Client Pace Other:

Tracking #: 817561464990

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

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

Packing Material: Bubble Wrap Bubble Bags None Other

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

Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 4 /Corr: 4

Person examining contents:
 Date: 4/20/22 /Initials: SCW

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Labeled By Initials: TP

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

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. <u>+2CC</u>	<u>4/20/22</u>
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>Preserve, Billing Add, Filter, Pg #</u>	<u>4/20/22</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. <u>PM informed</u>	<u>4/20/22</u>
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:	<u>8U</u>
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.	
Sufficient Volume:		8.	
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.	
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.	
Filtered volume received for Dissolved tests	<input 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 times</u>	<u>4/20/22</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>			<u>8U</u>
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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: _____

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

October 19, 2022

Grant Anderson
GHD Services
900 Long Lake Road
Suite 200
New Brighton, MN 55112

RE: Project: 11115796 RHINELANDER LF
Pace Project No.: 40252621

Dear Grant Anderson:

Enclosed are the analytical results for sample(s) received by the laboratory on October 06, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,



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

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252621

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

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252621

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40252621001	W-221005-RA-100	Water	10/05/22 10:50	10/06/22 10:10
40252621002	W-221005-RA-101	Water	10/05/22 11:00	10/06/22 10:10
40252621003	W-221005-RA-102	Water	10/05/22 11:10	10/06/22 10:10

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SAMPLE ANALYTE COUNT

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252621

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40252621001	W-221005-RA-100	EPA 6010D	SIS	6
		SM 9222D	SRK	1
		EPA 180.1	SRK	1
		EPA 300.0	HMB	1
		EPA 350.1	TMK	1
		EPA 351.2	TMK	1
		EPA 353.2	DAW	1
		EPA 410.4	TJJ	1
40252621002	W-221005-RA-101	EPA 6010D	SIS	6
		SM 9222D	SRK	1
		EPA 180.1	SRK	1
		EPA 300.0	HMB	1
		EPA 350.1	TMK	1
		EPA 351.2	TMK	1
		EPA 353.2	DAW	1
		EPA 410.4	TJJ	1
40252621003	W-221005-RA-102	EPA 6010D	SIS	6
		SM 9222D	SRK	1
		EPA 180.1	SRK	1
		EPA 300.0	HMB	1
		EPA 350.1	TMK	1
		EPA 351.2	TMK	1
		EPA 353.2	DAW	1
		EPA 410.4	TJJ	1

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252621

Sample: W-221005-RA-100 **Lab ID: 40252621001** Collected: 10/05/22 10:50 Received: 10/06/22 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Copper	<3.4	ug/L	10.0	3.4	1	10/07/22 06:23	10/10/22 15:58	7440-50-8	
Iron	5290	ug/L	100	56.7	1	10/07/22 06:23	10/10/22 15:58	7439-89-6	
Lead	<5.9	ug/L	20.0	5.9	1	10/07/22 06:23	10/10/22 15:58	7439-92-1	
Sodium	41500	ug/L	500	350	1	10/07/22 06:23	10/10/22 15:58	7440-23-5	
Total Hardness by 2340B	140	mg/L	2.0	0.15	1	10/07/22 06:23	10/10/22 15:58		
Zinc	<11.6	ug/L	40.0	11.6	1	10/07/22 06:23	10/10/22 15:58	7440-66-6	
9222D MICRO Fecal Coli by MF									
Analytical Method: SM 9222D Preparation Method: SM 9222D Pace Analytical Services - Green Bay									
Fecal Coliforms	4.00	CFU/100 mL	2.0	2.0	2	10/06/22 16:15	10/06/22 16:15		H3
180.1 Turbidity									
Analytical Method: EPA 180.1 Pace Analytical Services - Green Bay									
Turbidity	17.0	NTU	1.0	1.0	1		10/07/22 09:35		
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	112	mg/L	10.0	2.2	5		10/13/22 20:30	16887-00-6	
350.1 Ammonia, Distilled									
Analytical Method: EPA 350.1 Preparation Method: EPA 350.1 Pace Analytical Services - Green Bay									
Nitrogen, Ammonia	0.36J	mg/L	0.50	0.14	1	10/11/22 21:41	10/11/22 23:42	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	0.93J	mg/L	1.0	0.21	1	10/12/22 19:18	10/13/22 00:34	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.070J	mg/L	0.25	0.059	1		10/19/22 11:10		
410.4 COD									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<14.7	mg/L	50.0	14.7	1	10/19/22 06:25	10/19/22 09:13		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252621

Sample: W-221005-RA-101 **Lab ID: 40252621002** Collected: 10/05/22 11:00 Received: 10/06/22 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Copper	<3.4	ug/L	10.0	3.4	1	10/07/22 06:23	10/10/22 16:01	7440-50-8	
Iron	6730	ug/L	100	56.7	1	10/07/22 06:23	10/10/22 16:01	7439-89-6	
Lead	<5.9	ug/L	20.0	5.9	1	10/07/22 06:23	10/10/22 16:01	7439-92-1	
Sodium	38300	ug/L	500	350	1	10/07/22 06:23	10/10/22 16:01	7440-23-5	
Total Hardness by 2340B	129	mg/L	2.0	0.15	1	10/07/22 06:23	10/10/22 16:01		
Zinc	<11.6	ug/L	40.0	11.6	1	10/07/22 06:23	10/10/22 16:01	7440-66-6	
9222D MICRO Fecal Coli by MF									
Analytical Method: SM 9222D Preparation Method: SM 9222D Pace Analytical Services - Green Bay									
Fecal Coliforms	7.00	CFU/100 mL	1.0	1.0	1	10/06/22 16:15	10/06/22 16:15		H3
180.1 Turbidity									
Analytical Method: EPA 180.1 Pace Analytical Services - Green Bay									
Turbidity	27.0	NTU	1.0	1.0	1		10/07/22 09:36		
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	88.5	mg/L	10.0	2.2	5		10/13/22 21:57	16887-00-6	
350.1 Ammonia, Distilled									
Analytical Method: EPA 350.1 Preparation Method: EPA 350.1 Pace Analytical Services - Green Bay									
Nitrogen, Ammonia	0.75	mg/L	0.50	0.14	1	10/11/22 21:41	10/11/22 23:48	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	2.0	mg/L	1.0	0.21	1	10/12/22 19:18	10/13/22 00:36	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.064J	mg/L	0.25	0.059	1		10/19/22 11:11		
410.4 COD									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	32.5J	mg/L	50.0	14.7	1	10/19/22 06:25	10/19/22 09:13		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252621

Sample: W-221005-RA-102 **Lab ID: 40252621003** Collected: 10/05/22 11:10 Received: 10/06/22 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Copper	<3.4	ug/L	10.0	3.4	1	10/07/22 06:23	10/10/22 16:08	7440-50-8	
Iron	6680	ug/L	100	56.7	1	10/07/22 06:23	10/10/22 16:08	7439-89-6	
Lead	<5.9	ug/L	20.0	5.9	1	10/07/22 06:23	10/10/22 16:08	7439-92-1	
Sodium	34600	ug/L	500	350	1	10/07/22 06:23	10/10/22 16:08	7440-23-5	
Total Hardness by 2340B	110	mg/L	2.0	0.15	1	10/07/22 06:23	10/10/22 16:08		
Zinc	<11.6	ug/L	40.0	11.6	1	10/07/22 06:23	10/10/22 16:08	7440-66-6	
9222D MICRO Fecal Coli by MF									
Analytical Method: SM 9222D Preparation Method: SM 9222D Pace Analytical Services - Green Bay									
Fecal Coliforms	7.00	CFU/100 mL	1.0	1.0	1	10/06/22 16:15	10/06/22 16:15		H3
180.1 Turbidity									
Analytical Method: EPA 180.1 Pace Analytical Services - Green Bay									
Turbidity	12.0	NTU	1.0	1.0	1		10/07/22 09:37		
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	74.6	mg/L	10.0	2.2	5		10/13/22 22:11	16887-00-6	
350.1 Ammonia, Distilled									
Analytical Method: EPA 350.1 Preparation Method: EPA 350.1 Pace Analytical Services - Green Bay									
Nitrogen, Ammonia	<0.14	mg/L	0.50	0.14	1	10/11/22 21:41	10/11/22 23:49	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	0.35J	mg/L	1.0	0.21	1	10/12/22 19:18	10/13/22 00:37	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		10/19/22 11:11		
410.4 COD									
Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay									
Chemical Oxygen Demand	<14.7	mg/L	50.0	14.7	1	10/19/22 06:25	10/19/22 09:13		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252621

QC Batch:	428965	Analysis Method:	SM 9222D
QC Batch Method:	SM 9222D	Analysis Description:	9222D MICRO Fecal Coliform by MF
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40252621001, 40252621002, 40252621003

METHOD BLANK: 2464785 Matrix: Water

Associated Lab Samples: 40252621001, 40252621002, 40252621003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fecal Coliforms	CFU/100 mL	<1.00	1.0	10/06/22 16:15	

METHOD BLANK: 2464787 Matrix: Water

Associated Lab Samples: 40252621001, 40252621002, 40252621003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fecal Coliforms	CFU/100 mL	<1.00	1.0	10/06/22 16:15	

SAMPLE DUPLICATE: 2464786

Parameter	Units	40252621001 Result	Dup Result	RPD	Max RPD	Qualifiers
Fecal Coliforms	CFU/100 mL	4.00	<2.00			

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252621

QC Batch: 428060 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D MET
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40252621001, 40252621002, 40252621003

METHOD BLANK: 2465157 Matrix: Water

Associated Lab Samples: 40252621001, 40252621002, 40252621003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	3.6J	10.0	10/10/22 14:51	
Iron	ug/L	<56.7	100	10/10/22 14:51	
Lead	ug/L	<5.9	20.0	10/10/22 14:51	
Sodium	ug/L	<350	500	10/12/22 14:41	
Total Hardness by 2340B	mg/L	<0.15	2.0	10/10/22 14:51	
Zinc	ug/L	<11.6	40.0	10/10/22 14:51	

LABORATORY CONTROL SAMPLE: 2465158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	250	258	103	80-120	
Iron	ug/L	10000	10600	106	80-120	
Lead	ug/L	250	266	106	80-120	
Sodium	ug/L	10000	10800	108	80-120	
Total Hardness by 2340B	mg/L		68.3			
Zinc	ug/L	250	274	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2465159 2465160

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40252670001 Result	Spike Conc.	Spike Conc.	Result						
Copper	ug/L	<33.5	250	250	290	293	111	112	75-125	1	20
Iron	ug/L	<567	10000	10000	11200	11000	111	109	75-125	2	20
Lead	ug/L	<59.1	250	250	279	262	112	105	75-125	6	20
Sodium	ug/L	137000	10000	10000	150000	154000	131	166	75-125	2	20 P6
Total Hardness by 2340B	mg/L	629000			715	723				1	20
Zinc	ug/L	<116	250	250	292J	292J	116	116	75-125		20

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252621

QC Batch:	428035	Analysis Method:	EPA 180.1
QC Batch Method:	EPA 180.1	Analysis Description:	180.1 Turbidity
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40252621001, 40252621002, 40252621003

METHOD BLANK: 2464857 Matrix: Water

Associated Lab Samples: 40252621001, 40252621002, 40252621003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Turbidity	NTU	<1.0	1.0	10/07/22 09:34	

LABORATORY CONTROL SAMPLE: 2464858

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Turbidity	NTU	519	500	96	90-110	

SAMPLE DUPLICATE: 2464859

Parameter	Units	40252621001 Result	Dup Result	RPD	Max RPD	Qualifiers
Turbidity	NTU	17.0	17.0	0	10	

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252621

QC Batch: 428661	Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0	Analysis Description: 300.0 IC Anions
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40252621001, 40252621002, 40252621003

METHOD BLANK: 2468713 Matrix: Water

Associated Lab Samples: 40252621001, 40252621002, 40252621003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.43	2.0	10/13/22 20:02	

LABORATORY CONTROL SAMPLE: 2468714

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	21.0	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2468715 2468716

Parameter	Units	2468715		2468716		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40252621001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Chloride	mg/L	112	100	100	214	213	102	101	90-110	1	15

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252621

QC Batch: 428479 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: 40252621001, 40252621002, 40252621003

METHOD BLANK: 2467716 Matrix: Water

Associated Lab Samples: 40252621001, 40252621002, 40252621003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.14	0.50	10/11/22 23:00	

LABORATORY CONTROL SAMPLE: 2467717

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	10	10.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2467718 2467719

Parameter	Units	40252565002		2467718		2467719		% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.				
Nitrogen, Ammonia	mg/L	<0.14	10	10	10.1	10.1	101	101	90-110	0	20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2467720 2467721

Parameter	Units	40252619001		2467720		2467721		% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.				
Nitrogen, Ammonia	mg/L	<0.50	10	10	10.1	10.1	101	101	90-110	0	20

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252621

QC Batch: 428580 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: 40252621001, 40252621002, 40252621003

METHOD BLANK: 2468337 Matrix: Water
Associated Lab Samples: 40252621001, 40252621002, 40252621003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.21	1.0	10/13/22 00:26	

LABORATORY CONTROL SAMPLE: 2468338

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	5	4.9	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2468339 2468340

Parameter	Units	40252940001		2468340		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Nitrogen, Kjeldahl, Total	mg/L	1.3	5	5	5.6	5.6	85	85	90-110	0	20	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2468341 2468342

Parameter	Units	40252621001		2468342		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Nitrogen, Kjeldahl, Total	mg/L	0.93J	5	5	5.7	5.7	96	95	90-110	1	20	

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252621

QC Batch: 429127 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40252621001, 40252621002, 40252621003

METHOD BLANK: 2471490 Matrix: Water
Associated Lab Samples: 40252621001, 40252621002, 40252621003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.059	0.25	10/19/22 10:56	

LABORATORY CONTROL SAMPLE: 2471491

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.5	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2471492 2471493

Parameter	Units	40252799017		2471493		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Nitrogen, NO2 plus NO3	mg/L	<0.059	2.5	2.5	2.2	2.2	89	89	90-110	1	20 M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2471494 2471495

Parameter	Units	40252667006		2471495		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Nitrogen, NO2 plus NO3	mg/L	6.4	2.5	2.5	8.8	8.7	97	95	90-110	1	20

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252621

QC Batch: 429097 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40252621001, 40252621002, 40252621003

METHOD BLANK: 2471378 Matrix: Water

Associated Lab Samples: 40252621001, 40252621002, 40252621003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<14.7	50.0	10/19/22 09:11	

LABORATORY CONTROL SAMPLE: 2471379

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	514	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2471380 2471381

Parameter	Units	40252559003		2471380		2471381		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.					
Chemical Oxygen Demand	mg/L	36.5J	526	526	526	573	578	102	103	90-110	1	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2471382 2471383

Parameter	Units	40252604001		2471382		2471383		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.					
Chemical Oxygen Demand	mg/L	38.8J	526	526	526	543	545	96	96	90-110	0	10

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QUALIFIERS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252621

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

H3 Sample was received or analysis requested beyond the recognized method holding time.

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

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252621

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40252621001	W-221005-RA-100	EPA 3010A	428060	EPA 6010D	428209
40252621002	W-221005-RA-101	EPA 3010A	428060	EPA 6010D	428209
40252621003	W-221005-RA-102	EPA 3010A	428060	EPA 6010D	428209
40252621001	W-221005-RA-100	SM 9222D	428028	SM 9222D	428965
40252621002	W-221005-RA-101	SM 9222D	428028	SM 9222D	428965
40252621003	W-221005-RA-102	SM 9222D	428028	SM 9222D	428965
40252621001	W-221005-RA-100	EPA 180.1	428035		
40252621002	W-221005-RA-101	EPA 180.1	428035		
40252621003	W-221005-RA-102	EPA 180.1	428035		
40252621001	W-221005-RA-100	EPA 300.0	428661		
40252621002	W-221005-RA-101	EPA 300.0	428661		
40252621003	W-221005-RA-102	EPA 300.0	428661		
40252621001	W-221005-RA-100	EPA 350.1	428479	EPA 350.1	428484
40252621002	W-221005-RA-101	EPA 350.1	428479	EPA 350.1	428484
40252621003	W-221005-RA-102	EPA 350.1	428479	EPA 350.1	428484
40252621001	W-221005-RA-100	EPA 351.2	428580	EPA 351.2	428585
40252621002	W-221005-RA-101	EPA 351.2	428580	EPA 351.2	428585
40252621003	W-221005-RA-102	EPA 351.2	428580	EPA 351.2	428585
40252621001	W-221005-RA-100	EPA 353.2	429127		
40252621002	W-221005-RA-101	EPA 353.2	429127		
40252621003	W-221005-RA-102	EPA 353.2	429127		
40252621001	W-221005-RA-100	EPA 410.4	429097	EPA 410.4	429142
40252621002	W-221005-RA-101	EPA 410.4	429097	EPA 410.4	429142
40252621003	W-221005-RA-102	EPA 410.4	429097	EPA 410.4	429142

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY Analytical Request Document

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here **40252621**

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

ALL SHADED AREAS are for LAB USE ONLY

Company: **GHD** Billing Information: **GAB**

Address: **900 Long Lake Rd #200**

Report To: **Grant Anderson** Email To:

Copy To:

Customer Project Name/Number: **Rhinelander LF 1115796** State: **1** County/City: Time Zone Collected: [] PT [] MT [] CT [] ET

Container Preservative Type **

Lab Project Manager:

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

Phone: **612-524-6855** Site/Facility ID #:

Compliance Monitoring? [] Yes [] No

Collected By (print): **Harriet** Purchase Order #: DW PWS ID #: DW Location Code:

Collected By (signature): *[Signature]* Turnaround Date Required: Immediately Packed on Ice: [] Yes [] No

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

Analyses	Lab Profile/Line:	
Fecal Coliform Ammonia, TN, N+M, COD Chloride, turbidity Metals & Hardness VOCs + tetrahydrofuran	Lab Sample Receipt Checklist:	
	Custody Seals Present/Intact	Y N NA
	Custody Signatures Present	Y N NA
	Collector Signature Present	Y N NA
	Bottles Intact	Y N NA
	Correct Bottles	Y N NA
	Sufficient Volume	Y N NA
	Samples Received on Ice	Y N NA
	VOA - Headspace Acceptable	Y N NA
	USDA Regulated Soils	Y N NA
	Samples in Holding Time	Y N NA
	Residual Chlorine Present	Y N NA
	Cl Strips:	
	Sample pH Acceptable	Y N NA
	pH Strips:	
Sulfide Present	Y N NA	
Lead Acetate Strips:		

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
W-221005-PA-100	SW	6	10/5	1050				4
W-221005-PA-101			10/5	1100				4
W-221005-PA-102			10/5	1100				4
W-221005-CA-21	GW	9	10/5	1010				3
W-221005-VA-22			10/5	1105				3
W-221005-PA-23			10/5	1135				3
W-221005-PA-24			10/5	1150				3

LAB USE ONLY: Lab Sample # / Comments:

021	001
022	002
023	003
024	
025	
026	
027	
028	10/6/22

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

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

Packing Material Used:

Lab Tracking #: **2828246**

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

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: _____

Cooler 1 Temp Upon Receipt: _____ °C

Cooler 1 Therm Corr. Factor: _____ °C

Cooler 1 Corrected Temp: _____ °C

Comments:

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Page 18 of 20

Non Conformance(s): Page: **3**

Relinquished by/Company: (Signature) *[Signature]* **GHD** Date/Time: **10/5/22 1230**

Relinquished by/Company: (Signature) *[Signature]* **Fedex** Date/Time: **10/6/22 1010**

Relinquished by/Company: (Signature) _____ Date/Time: _____

Received by/Company: (Signature) _____ Date/Time: _____

Received by/Company: (Signature) *[Signature]* **Impact Pace** Date/Time: **10/6/22 1010**

Received by/Company: (Signature) _____ Date/Time: _____

Table #: _____

Acctnum: _____

Template: _____

Prelogin: _____

PM: _____

Sample Preservation Receipt Form
 Project # 40252621
 Yes No N/A
 Lab Lot# of pH paper: 10D3111 Lab Std #ID of preservation (if pH adjusted):

Client Name: GHD
 All containers needing preservation have been checked and noted below:
 Lab Lot# of pH paper:

Initial when completed: TP Date/ Time:

Pace Lab #	Glass							Plastic					Vials					Jars				General		VOA Vials (>6mm) *	H ₂ SO ₄ pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO ₃ pH ≤2	pH after adjusted	Volume (mL)					
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU								SP5T	ZPLC	GN 1	GN 2	
001																													X						2.5 / 5
002																													X						2.5 / 5
003																													X						2.5 / 5
004																																			2.5 / 5
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019																																			2.5 / 5
020																																			2.5 / 5

TP 10/16/22

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	VG9C	40 mL clear ascorbic w/ HCl	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 H ₂ SO ₄	BP3N	250 mL plastic HNO ₃	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H ₂ SO ₄	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H ₂ SO ₄	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

Sample Condition Upon Receipt Form (SCUR)

Project #: _____

WO#: 40252621



40252621

Client Name: GHD

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

Tracking #: 817492879420

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 - 1190 Type of Ice: Wet Blue Dry None Meltwater Only

Cooler Temperature Uncorr: 4 /Corr: 4.5

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

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

Person examining contents:
 Date: 10/16/22 /Initials: TP
 Labeled By Initials: CRO

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5.
- DI VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type: Pace <u>Green Bay</u> , Pace IR, Non-Pace		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>no times</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>		<u>TP 10/16/22</u>
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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: _____

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

Appendix B

**Groundwater Sampling Laboratory
Reports**

May 02, 2022

Grant Anderson
GHD Services
900 Long Lake Road
Suite 200
New Brighton, MN 55112

RE: Project: 11115796 RHINELANDER LF
Pace Project No.: 40243661

Dear Grant Anderson:

Enclosed are the analytical results for sample(s) received by the laboratory on April 20, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,



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

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40243661

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

Pace Project No.: 40243661

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40243661001	MW-20A	Water	04/19/22 11:49	04/20/22 09:45
40243661002	MW-20B	Water	04/19/22 11:39	04/20/22 09:45
40243661003	MW-20B DUP	Water	04/19/22 11:39	04/20/22 09:45
40243661004	MW-20C	Water	04/19/22 11:59	04/20/22 09:45
40243661005	FIELD BLANK	Water	04/19/22 12:00	04/20/22 09:45
40243661006	MW-16A	Water	04/19/22 14:08	04/20/22 09:45
40243661007	MW-16B	Water	04/19/22 13:52	04/20/22 09:45
40243661008	MW-16C	Water	04/19/22 14:17	04/20/22 09:45
40243661009	MW-2A	Water	04/19/22 14:40	04/20/22 09:45
40243661010	MW-2B	Water	04/19/22 14:50	04/20/22 09:45
40243661011	TRIP BLANK	Water	04/19/22 00:00	04/20/22 09:45

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SAMPLE ANALYTE COUNT

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243661

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40243661001	MW-20A	EPA 8260	EIB	65
40243661002	MW-20B	EPA 8260	EIB	65
40243661003	MW-20B DUP	EPA 8260	EIB	65
40243661004	MW-20C	EPA 8260	EIB	65
40243661005	FIELD BLANK	EPA 8260	EIB	65
40243661006	MW-16A	EPA 8260	EIB	65
40243661007	MW-16B	EPA 8260	EIB	65
40243661008	MW-16C	EPA 8260	EIB	65
40243661009	MW-2A	EPA 8260	EIB	65
		EPA 350.1	TMK	1
		EPA 351.2	TMK	1
40243661010	MW-2B	EPA 8260	EIB	65
40243661011	TRIP BLANK	EPA 8260	EIB	65

PASI-G = Pace Analytical Services - Green Bay

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40243661

Sample: MW-20A Lab ID: 40243661001 Collected: 04/19/22 11:49 Received: 04/20/22 09:45 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	0.85J	ug/L	1.0	0.30	1		04/21/22 12:34	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		04/21/22 12:34	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/21/22 12:34	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/21/22 12:34	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		04/21/22 12:34	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/21/22 12:34	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/21/22 12:34	104-51-8	
sec-Butylbenzene	0.51J	ug/L	1.0	0.42	1		04/21/22 12:34	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/21/22 12:34	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/21/22 12:34	56-23-5	L1,M0
Chlorobenzene	4.1	ug/L	1.0	0.86	1		04/21/22 12:34	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/21/22 12:34	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/21/22 12:34	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/21/22 12:34	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/21/22 12:34	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/21/22 12:34	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		04/21/22 12:34	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/21/22 12:34	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		04/21/22 12:34	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		04/21/22 12:34	74-95-3	
1,2-Dichlorobenzene	0.61J	ug/L	1.0	0.33	1		04/21/22 12:34	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/21/22 12:34	541-73-1	
1,4-Dichlorobenzene	1.5	ug/L	1.0	0.89	1		04/21/22 12:34	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		04/21/22 12:34	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/21/22 12:34	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/21/22 12:34	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/21/22 12:34	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/21/22 12:34	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/21/22 12:34	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/21/22 12:34	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		04/21/22 12:34	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		04/21/22 12:34	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		04/21/22 12:34	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		04/21/22 12:34	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		04/21/22 12:34	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		04/21/22 12:34	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/21/22 12:34	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		04/21/22 12:34	87-68-3	
Isopropylbenzene (Cumene)	2.9J	ug/L	5.0	1.0	1		04/21/22 12:34	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/21/22 12:34	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/21/22 12:34	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		04/21/22 12:34	1634-04-4	
Naphthalene	11.0	ug/L	5.0	1.1	1		04/21/22 12:34	91-20-3	
n-Propylbenzene	2.1	ug/L	1.0	0.35	1		04/21/22 12:34	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		04/21/22 12:34	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243661

Sample: MW-20A **Lab ID: 40243661001** Collected: 04/19/22 11:49 Received: 04/20/22 09:45 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		04/21/22 12:34	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/21/22 12:34	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/21/22 12:34	127-18-4	
Tetrahydrofuran	3.0J	ug/L	25.0	2.4	1		04/21/22 12:34	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		04/21/22 12:34	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/21/22 12:34	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/21/22 12:34	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/21/22 12:34	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/21/22 12:34	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/21/22 12:34	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		04/21/22 12:34	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		04/21/22 12:34	96-18-4	
1,2,4-Trimethylbenzene	16.1	ug/L	1.0	0.45	1		04/21/22 12:34	95-63-6	
1,3,5-Trimethylbenzene	3.3	ug/L	1.0	0.36	1		04/21/22 12:34	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/21/22 12:34	75-01-4	
m&p-Xylene	34.6	ug/L	2.0	0.70	1		04/21/22 12:34	179601-23-1	
o-Xylene	0.67J	ug/L	1.0	0.35	1		04/21/22 12:34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		04/21/22 12:34	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		04/21/22 12:34	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		04/21/22 12:34	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243661

Sample: MW-20B **Lab ID: 40243661002** Collected: 04/19/22 11:39 Received: 04/20/22 09:45 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	0.66J	ug/L	1.0	0.30	1		04/21/22 16:40	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		04/21/22 16:40	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/21/22 16:40	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/21/22 16:40	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		04/21/22 16:40	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/21/22 16:40	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/21/22 16:40	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/21/22 16:40	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/21/22 16:40	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/21/22 16:40	56-23-5	L1
Chlorobenzene	0.99J	ug/L	1.0	0.86	1		04/21/22 16:40	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/21/22 16:40	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/21/22 16:40	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/21/22 16:40	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/21/22 16:40	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/21/22 16:40	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		04/21/22 16:40	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/21/22 16:40	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		04/21/22 16:40	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		04/21/22 16:40	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/21/22 16:40	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/21/22 16:40	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/21/22 16:40	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		04/21/22 16:40	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/21/22 16:40	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/21/22 16:40	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/21/22 16:40	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/21/22 16:40	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/21/22 16:40	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/21/22 16:40	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		04/21/22 16:40	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		04/21/22 16:40	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		04/21/22 16:40	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		04/21/22 16:40	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		04/21/22 16:40	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		04/21/22 16:40	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/21/22 16:40	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		04/21/22 16:40	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/21/22 16:40	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/21/22 16:40	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/21/22 16:40	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		04/21/22 16:40	1634-04-4	
Naphthalene	5.2	ug/L	5.0	1.1	1		04/21/22 16:40	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/21/22 16:40	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		04/21/22 16:40	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243661

Sample: MW-20B **Lab ID: 40243661002** Collected: 04/19/22 11:39 Received: 04/20/22 09:45 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		04/21/22 16:40	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/21/22 16:40	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/21/22 16:40	127-18-4	
Tetrahydrofuran	6.8J	ug/L	25.0	2.4	1		04/21/22 16:40	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		04/21/22 16:40	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/21/22 16:40	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/21/22 16:40	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/21/22 16:40	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/21/22 16:40	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/21/22 16:40	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		04/21/22 16:40	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		04/21/22 16:40	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/21/22 16:40	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/21/22 16:40	108-67-8	
Vinyl chloride	0.34J	ug/L	1.0	0.17	1		04/21/22 16:40	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/21/22 16:40	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/21/22 16:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/21/22 16:40	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		04/21/22 16:40	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		04/21/22 16:40	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40243661

Sample: MW-20B DUP **Lab ID: 40243661003** Collected: 04/19/22 11:39 Received: 04/20/22 09:45 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	0.64J	ug/L	1.0	0.30	1		04/21/22 18:01	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		04/21/22 18:01	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/21/22 18:01	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/21/22 18:01	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		04/21/22 18:01	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/21/22 18:01	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/21/22 18:01	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/21/22 18:01	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/21/22 18:01	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/21/22 18:01	56-23-5	L1
Chlorobenzene	0.96J	ug/L	1.0	0.86	1		04/21/22 18:01	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/21/22 18:01	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/21/22 18:01	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/21/22 18:01	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/21/22 18:01	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/21/22 18:01	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		04/21/22 18:01	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/21/22 18:01	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		04/21/22 18:01	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		04/21/22 18:01	74-95-3	
1,2-Dichlorobenzene	0.33J	ug/L	1.0	0.33	1		04/21/22 18:01	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/21/22 18:01	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/21/22 18:01	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		04/21/22 18:01	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/21/22 18:01	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/21/22 18:01	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/21/22 18:01	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/21/22 18:01	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/21/22 18:01	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/21/22 18:01	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		04/21/22 18:01	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		04/21/22 18:01	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		04/21/22 18:01	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		04/21/22 18:01	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		04/21/22 18:01	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		04/21/22 18:01	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/21/22 18:01	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		04/21/22 18:01	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/21/22 18:01	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/21/22 18:01	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/21/22 18:01	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		04/21/22 18:01	1634-04-4	
Naphthalene	5.5	ug/L	5.0	1.1	1		04/21/22 18:01	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/21/22 18:01	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		04/21/22 18:01	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40243661

Sample: MW-20B DUP **Lab ID: 40243661003** Collected: 04/19/22 11:39 Received: 04/20/22 09:45 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		04/21/22 18:01	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/21/22 18:01	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/21/22 18:01	127-18-4	
Tetrahydrofuran	5.0J	ug/L	25.0	2.4	1		04/21/22 18:01	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		04/21/22 18:01	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/21/22 18:01	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/21/22 18:01	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/21/22 18:01	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/21/22 18:01	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/21/22 18:01	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		04/21/22 18:01	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		04/21/22 18:01	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/21/22 18:01	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/21/22 18:01	108-67-8	
Vinyl chloride	0.24J	ug/L	1.0	0.17	1		04/21/22 18:01	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/21/22 18:01	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/21/22 18:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/21/22 18:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		04/21/22 18:01	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		04/21/22 18:01	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243661

Sample: MW-20C **Lab ID: 40243661004** Collected: 04/19/22 11:59 Received: 04/20/22 09:45 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	0.90J	ug/L	1.0	0.30	1		04/21/22 18:22	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		04/21/22 18:22	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/21/22 18:22	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/21/22 18:22	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		04/21/22 18:22	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/21/22 18:22	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/21/22 18:22	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/21/22 18:22	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/21/22 18:22	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/21/22 18:22	56-23-5	L1
Chlorobenzene	1.4	ug/L	1.0	0.86	1		04/21/22 18:22	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/21/22 18:22	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/21/22 18:22	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/21/22 18:22	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/21/22 18:22	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/21/22 18:22	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		04/21/22 18:22	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/21/22 18:22	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		04/21/22 18:22	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		04/21/22 18:22	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/21/22 18:22	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/21/22 18:22	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/21/22 18:22	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		04/21/22 18:22	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/21/22 18:22	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/21/22 18:22	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/21/22 18:22	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/21/22 18:22	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/21/22 18:22	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/21/22 18:22	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		04/21/22 18:22	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		04/21/22 18:22	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		04/21/22 18:22	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		04/21/22 18:22	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		04/21/22 18:22	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		04/21/22 18:22	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/21/22 18:22	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		04/21/22 18:22	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/21/22 18:22	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/21/22 18:22	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/21/22 18:22	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		04/21/22 18:22	1634-04-4	
Naphthalene	4.6J	ug/L	5.0	1.1	1		04/21/22 18:22	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/21/22 18:22	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		04/21/22 18:22	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243661

Sample: MW-20C **Lab ID: 40243661004** Collected: 04/19/22 11:59 Received: 04/20/22 09:45 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		04/21/22 18:22	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/21/22 18:22	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/21/22 18:22	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		04/21/22 18:22	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		04/21/22 18:22	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/21/22 18:22	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/21/22 18:22	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/21/22 18:22	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/21/22 18:22	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/21/22 18:22	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		04/21/22 18:22	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		04/21/22 18:22	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/21/22 18:22	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/21/22 18:22	108-67-8	
Vinyl chloride	0.41J	ug/L	1.0	0.17	1		04/21/22 18:22	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/21/22 18:22	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/21/22 18:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/21/22 18:22	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		04/21/22 18:22	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		04/21/22 18:22	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40243661

Sample: FIELD BLANK **Lab ID: 40243661005** Collected: 04/19/22 12:00 Received: 04/20/22 09:45 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		04/21/22 17:00	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		04/21/22 17:00	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/21/22 17:00	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/21/22 17:00	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		04/21/22 17:00	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/21/22 17:00	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/21/22 17:00	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/21/22 17:00	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/21/22 17:00	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/21/22 17:00	56-23-5	L1
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/21/22 17:00	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/21/22 17:00	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/21/22 17:00	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/21/22 17:00	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/21/22 17:00	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/21/22 17:00	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		04/21/22 17:00	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/21/22 17:00	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		04/21/22 17:00	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		04/21/22 17:00	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/21/22 17:00	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/21/22 17:00	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/21/22 17:00	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		04/21/22 17:00	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/21/22 17:00	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/21/22 17:00	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/21/22 17:00	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/21/22 17:00	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/21/22 17:00	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/21/22 17:00	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		04/21/22 17:00	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		04/21/22 17:00	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		04/21/22 17:00	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		04/21/22 17:00	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		04/21/22 17:00	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		04/21/22 17:00	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/21/22 17:00	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		04/21/22 17:00	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/21/22 17:00	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/21/22 17:00	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/21/22 17:00	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		04/21/22 17:00	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/21/22 17:00	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/21/22 17:00	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		04/21/22 17:00	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40243661

Sample: FIELD BLANK **Lab ID: 40243661005** Collected: 04/19/22 12:00 Received: 04/20/22 09:45 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		04/21/22 17:00	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/21/22 17:00	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/21/22 17:00	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		04/21/22 17:00	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		04/21/22 17:00	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/21/22 17:00	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/21/22 17:00	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/21/22 17:00	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/21/22 17:00	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/21/22 17:00	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		04/21/22 17:00	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		04/21/22 17:00	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/21/22 17:00	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/21/22 17:00	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/21/22 17:00	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/21/22 17:00	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/21/22 17:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/21/22 17:00	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		04/21/22 17:00	2199-69-1	
Toluene-d8 (S)	95	%	70-130		1		04/21/22 17:00	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40243661

Sample: **MW-16A** Lab ID: **40243661006** Collected: 04/19/22 14:08 Received: 04/20/22 09:45 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	0.90J	ug/L	1.0	0.30	1		04/21/22 15:38	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		04/21/22 15:38	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/21/22 15:38	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/21/22 15:38	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		04/21/22 15:38	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/21/22 15:38	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/21/22 15:38	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/21/22 15:38	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/21/22 15:38	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/21/22 15:38	56-23-5	L1
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/21/22 15:38	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/21/22 15:38	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/21/22 15:38	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/21/22 15:38	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/21/22 15:38	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/21/22 15:38	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		04/21/22 15:38	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/21/22 15:38	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		04/21/22 15:38	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		04/21/22 15:38	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/21/22 15:38	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/21/22 15:38	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/21/22 15:38	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		04/21/22 15:38	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/21/22 15:38	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/21/22 15:38	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/21/22 15:38	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/21/22 15:38	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/21/22 15:38	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/21/22 15:38	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		04/21/22 15:38	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		04/21/22 15:38	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		04/21/22 15:38	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		04/21/22 15:38	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		04/21/22 15:38	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		04/21/22 15:38	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/21/22 15:38	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		04/21/22 15:38	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/21/22 15:38	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/21/22 15:38	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/21/22 15:38	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		04/21/22 15:38	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/21/22 15:38	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/21/22 15:38	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		04/21/22 15:38	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40243661

Sample: MW-16A **Lab ID: 40243661006** Collected: 04/19/22 14:08 Received: 04/20/22 09:45 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		04/21/22 15:38	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/21/22 15:38	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/21/22 15:38	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		04/21/22 15:38	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		04/21/22 15:38	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/21/22 15:38	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/21/22 15:38	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/21/22 15:38	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/21/22 15:38	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/21/22 15:38	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		04/21/22 15:38	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		04/21/22 15:38	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/21/22 15:38	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/21/22 15:38	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/21/22 15:38	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/21/22 15:38	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/21/22 15:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/21/22 15:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		04/21/22 15:38	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		04/21/22 15:38	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40243661

Sample: MW-16B **Lab ID: 40243661007** Collected: 04/19/22 13:52 Received: 04/20/22 09:45 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	0.92J	ug/L	1.0	0.30	1		04/21/22 15:59	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		04/21/22 15:59	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/21/22 15:59	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/21/22 15:59	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		04/21/22 15:59	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/21/22 15:59	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/21/22 15:59	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/21/22 15:59	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/21/22 15:59	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/21/22 15:59	56-23-5	L1
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/21/22 15:59	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/21/22 15:59	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/21/22 15:59	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/21/22 15:59	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/21/22 15:59	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/21/22 15:59	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		04/21/22 15:59	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/21/22 15:59	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		04/21/22 15:59	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		04/21/22 15:59	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/21/22 15:59	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/21/22 15:59	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/21/22 15:59	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		04/21/22 15:59	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/21/22 15:59	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/21/22 15:59	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/21/22 15:59	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/21/22 15:59	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/21/22 15:59	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/21/22 15:59	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		04/21/22 15:59	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		04/21/22 15:59	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		04/21/22 15:59	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		04/21/22 15:59	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		04/21/22 15:59	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		04/21/22 15:59	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/21/22 15:59	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		04/21/22 15:59	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/21/22 15:59	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/21/22 15:59	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/21/22 15:59	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		04/21/22 15:59	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/21/22 15:59	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/21/22 15:59	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		04/21/22 15:59	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243661

Sample: MW-16B **Lab ID: 40243661007** Collected: 04/19/22 13:52 Received: 04/20/22 09:45 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		04/21/22 15:59	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/21/22 15:59	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/21/22 15:59	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		04/21/22 15:59	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		04/21/22 15:59	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/21/22 15:59	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/21/22 15:59	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/21/22 15:59	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/21/22 15:59	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/21/22 15:59	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		04/21/22 15:59	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		04/21/22 15:59	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/21/22 15:59	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/21/22 15:59	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/21/22 15:59	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/21/22 15:59	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/21/22 15:59	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		04/21/22 15:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/21/22 15:59	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		04/21/22 15:59	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243661

Sample: MW-16C **Lab ID: 40243661008** Collected: 04/19/22 14:17 Received: 04/20/22 09:45 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	0.92J	ug/L	1.0	0.30	1		04/21/22 16:19	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		04/21/22 16:19	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/21/22 16:19	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/21/22 16:19	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		04/21/22 16:19	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/21/22 16:19	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/21/22 16:19	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/21/22 16:19	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/21/22 16:19	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/21/22 16:19	56-23-5	L1
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/21/22 16:19	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/21/22 16:19	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/21/22 16:19	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/21/22 16:19	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/21/22 16:19	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/21/22 16:19	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		04/21/22 16:19	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/21/22 16:19	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		04/21/22 16:19	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		04/21/22 16:19	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/21/22 16:19	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/21/22 16:19	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/21/22 16:19	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		04/21/22 16:19	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/21/22 16:19	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/21/22 16:19	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/21/22 16:19	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/21/22 16:19	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/21/22 16:19	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/21/22 16:19	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		04/21/22 16:19	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		04/21/22 16:19	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		04/21/22 16:19	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		04/21/22 16:19	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		04/21/22 16:19	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		04/21/22 16:19	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/21/22 16:19	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		04/21/22 16:19	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/21/22 16:19	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/21/22 16:19	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/21/22 16:19	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		04/21/22 16:19	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/21/22 16:19	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/21/22 16:19	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		04/21/22 16:19	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243661

Sample: MW-16C **Lab ID: 40243661008** Collected: 04/19/22 14:17 Received: 04/20/22 09:45 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		04/21/22 16:19	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/21/22 16:19	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/21/22 16:19	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		04/21/22 16:19	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		04/21/22 16:19	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/21/22 16:19	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/21/22 16:19	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/21/22 16:19	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/21/22 16:19	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/21/22 16:19	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		04/21/22 16:19	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		04/21/22 16:19	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/21/22 16:19	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/21/22 16:19	108-67-8	
Vinyl chloride	0.34J	ug/L	1.0	0.17	1		04/21/22 16:19	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/21/22 16:19	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/21/22 16:19	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/21/22 16:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		04/21/22 16:19	2199-69-1	
Toluene-d8 (S)	95	%	70-130		1		04/21/22 16:19	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243661

Sample: MW-2A **Lab ID: 40243661009** Collected: 04/19/22 14:40 Received: 04/20/22 09:45 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	18.2	ug/L	1.0	0.30	1		04/21/22 17:21	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		04/21/22 17:21	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/21/22 17:21	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/21/22 17:21	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		04/21/22 17:21	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/21/22 17:21	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/21/22 17:21	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/21/22 17:21	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/21/22 17:21	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/21/22 17:21	56-23-5	L1
Chlorobenzene	0.89J	ug/L	1.0	0.86	1		04/21/22 17:21	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/21/22 17:21	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/21/22 17:21	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/21/22 17:21	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/21/22 17:21	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/21/22 17:21	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		04/21/22 17:21	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/21/22 17:21	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		04/21/22 17:21	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		04/21/22 17:21	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/21/22 17:21	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/21/22 17:21	541-73-1	
1,4-Dichlorobenzene	0.90J	ug/L	1.0	0.89	1		04/21/22 17:21	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		04/21/22 17:21	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/21/22 17:21	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/21/22 17:21	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/21/22 17:21	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/21/22 17:21	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/21/22 17:21	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/21/22 17:21	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		04/21/22 17:21	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		04/21/22 17:21	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		04/21/22 17:21	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		04/21/22 17:21	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		04/21/22 17:21	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		04/21/22 17:21	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/21/22 17:21	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		04/21/22 17:21	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/21/22 17:21	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/21/22 17:21	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/21/22 17:21	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		04/21/22 17:21	1634-04-4	
Naphthalene	3.0J	ug/L	5.0	1.1	1		04/21/22 17:21	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/21/22 17:21	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		04/21/22 17:21	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243661

Sample: MW-2A **Lab ID: 40243661009** Collected: 04/19/22 14:40 Received: 04/20/22 09:45 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		04/21/22 17:21	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/21/22 17:21	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/21/22 17:21	127-18-4	
Tetrahydrofuran	125	ug/L	25.0	2.4	1		04/21/22 17:21	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		04/21/22 17:21	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/21/22 17:21	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/21/22 17:21	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/21/22 17:21	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/21/22 17:21	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/21/22 17:21	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		04/21/22 17:21	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		04/21/22 17:21	96-18-4	
1,2,4-Trimethylbenzene	1.9	ug/L	1.0	0.45	1		04/21/22 17:21	95-63-6	
1,3,5-Trimethylbenzene	1.3	ug/L	1.0	0.36	1		04/21/22 17:21	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/21/22 17:21	75-01-4	
m&p-Xylene	3.7	ug/L	2.0	0.70	1		04/21/22 17:21	179601-23-1	
o-Xylene	0.49J	ug/L	1.0	0.35	1		04/21/22 17:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/21/22 17:21	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		04/21/22 17:21	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		04/21/22 17:21	2037-26-5	
350.1 Ammonia, Distilled									
Analytical Method: EPA 350.1 Preparation Method: EPA 350.1									
Pace Analytical Services - Green Bay									
Nitrogen, Ammonia	237	mg/L	10.0	2.9	20	04/28/22 23:11	04/29/22 00:45	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	198	mg/L	10.0	2.1	1	04/27/22 20:48	04/28/22 02:02	7727-37-9	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40243661

Sample: MW-2B **Lab ID: 40243661010** Collected: 04/19/22 14:50 Received: 04/20/22 09:45 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	1.1	ug/L	1.0	0.30	1		04/21/22 17:41	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		04/21/22 17:41	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/21/22 17:41	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/21/22 17:41	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		04/21/22 17:41	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/21/22 17:41	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/21/22 17:41	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/21/22 17:41	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/21/22 17:41	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/21/22 17:41	56-23-5	L1
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/21/22 17:41	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/21/22 17:41	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/21/22 17:41	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/21/22 17:41	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/21/22 17:41	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/21/22 17:41	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		04/21/22 17:41	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/21/22 17:41	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		04/21/22 17:41	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		04/21/22 17:41	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/21/22 17:41	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/21/22 17:41	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/21/22 17:41	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		04/21/22 17:41	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/21/22 17:41	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/21/22 17:41	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/21/22 17:41	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/21/22 17:41	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/21/22 17:41	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/21/22 17:41	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		04/21/22 17:41	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		04/21/22 17:41	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		04/21/22 17:41	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		04/21/22 17:41	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		04/21/22 17:41	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		04/21/22 17:41	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/21/22 17:41	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		04/21/22 17:41	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/21/22 17:41	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/21/22 17:41	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/21/22 17:41	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		04/21/22 17:41	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/21/22 17:41	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/21/22 17:41	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		04/21/22 17:41	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243661

Sample: MW-2B **Lab ID: 40243661010** Collected: 04/19/22 14:50 Received: 04/20/22 09:45 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		04/21/22 17:41	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/21/22 17:41	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/21/22 17:41	127-18-4	
Tetrahydrofuran	11.9J	ug/L	25.0	2.4	1		04/21/22 17:41	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		04/21/22 17:41	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/21/22 17:41	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/21/22 17:41	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/21/22 17:41	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/21/22 17:41	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/21/22 17:41	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		04/21/22 17:41	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		04/21/22 17:41	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/21/22 17:41	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/21/22 17:41	108-67-8	
Vinyl chloride	0.43J	ug/L	1.0	0.17	1		04/21/22 17:41	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/21/22 17:41	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/21/22 17:41	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/21/22 17:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		04/21/22 17:41	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		04/21/22 17:41	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243661

Sample: TRIP BLANK **Lab ID: 40243661011** Collected: 04/19/22 00:00 Received: 04/20/22 09:45 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		04/21/22 11:53	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		04/21/22 11:53	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/21/22 11:53	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/21/22 11:53	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		04/21/22 11:53	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/21/22 11:53	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		04/21/22 11:53	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		04/21/22 11:53	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		04/21/22 11:53	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/21/22 11:53	56-23-5	L1
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/21/22 11:53	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/21/22 11:53	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		04/21/22 11:53	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/21/22 11:53	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/21/22 11:53	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		04/21/22 11:53	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		04/21/22 11:53	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/21/22 11:53	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		04/21/22 11:53	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		04/21/22 11:53	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		04/21/22 11:53	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		04/21/22 11:53	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		04/21/22 11:53	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		04/21/22 11:53	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/21/22 11:53	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/21/22 11:53	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/21/22 11:53	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/21/22 11:53	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/21/22 11:53	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/21/22 11:53	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		04/21/22 11:53	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		04/21/22 11:53	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		04/21/22 11:53	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		04/21/22 11:53	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		04/21/22 11:53	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		04/21/22 11:53	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/21/22 11:53	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		04/21/22 11:53	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		04/21/22 11:53	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		04/21/22 11:53	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/21/22 11:53	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		04/21/22 11:53	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		04/21/22 11:53	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		04/21/22 11:53	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		04/21/22 11:53	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40243661

Sample: TRIP BLANK **Lab ID: 40243661011** Collected: 04/19/22 00:00 Received: 04/20/22 09:45 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		04/21/22 11:53	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/21/22 11:53	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/21/22 11:53	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		04/21/22 11:53	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		04/21/22 11:53	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		04/21/22 11:53	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/21/22 11:53	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/21/22 11:53	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		04/21/22 11:53	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/21/22 11:53	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		04/21/22 11:53	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		04/21/22 11:53	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		04/21/22 11:53	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		04/21/22 11:53	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/21/22 11:53	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		04/21/22 11:53	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		04/21/22 11:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/21/22 11:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		04/21/22 11:53	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		04/21/22 11:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243661

QC Batch:	413737	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40243661001, 40243661002, 40243661003, 40243661004, 40243661005, 40243661006, 40243661007, 40243661008, 40243661009, 40243661010, 40243661011

METHOD BLANK: 2382163 Matrix: Water
Associated Lab Samples: 40243661001, 40243661002, 40243661003, 40243661004, 40243661005, 40243661006, 40243661007, 40243661008, 40243661009, 40243661010, 40243661011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	04/21/22 09:07	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	04/21/22 09:07	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	04/21/22 09:07	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	04/21/22 09:07	
1,1-Dichloroethane	ug/L	<0.30	1.0	04/21/22 09:07	
1,1-Dichloroethene	ug/L	<0.58	1.0	04/21/22 09:07	
1,1-Dichloropropene	ug/L	<0.41	1.0	04/21/22 09:07	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	04/21/22 09:07	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	04/21/22 09:07	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	04/21/22 09:07	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	04/21/22 09:07	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	04/21/22 09:07	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	04/21/22 09:07	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	04/21/22 09:07	
1,2-Dichloroethane	ug/L	<0.29	1.0	04/21/22 09:07	
1,2-Dichloropropane	ug/L	<0.45	1.0	04/21/22 09:07	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	04/21/22 09:07	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	04/21/22 09:07	
1,3-Dichloropropane	ug/L	<0.30	1.0	04/21/22 09:07	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	04/21/22 09:07	
2,2-Dichloropropane	ug/L	<4.2	5.0	04/21/22 09:07	
2-Chlorotoluene	ug/L	<0.89	5.0	04/21/22 09:07	
4-Chlorotoluene	ug/L	<0.89	5.0	04/21/22 09:07	
Benzene	ug/L	<0.30	1.0	04/21/22 09:07	
Bromobenzene	ug/L	<0.36	1.0	04/21/22 09:07	
Bromochloromethane	ug/L	<0.36	5.0	04/21/22 09:07	
Bromodichloromethane	ug/L	<0.42	1.0	04/21/22 09:07	
Bromoform	ug/L	<3.8	5.0	04/21/22 09:07	
Bromomethane	ug/L	<1.2	5.0	04/21/22 09:07	
Carbon tetrachloride	ug/L	<0.37	1.0	04/21/22 09:07	
Chlorobenzene	ug/L	<0.86	1.0	04/21/22 09:07	
Chloroethane	ug/L	<1.4	5.0	04/21/22 09:07	
Chloroform	ug/L	<1.2	5.0	04/21/22 09:07	
Chloromethane	ug/L	<1.6	5.0	04/21/22 09:07	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	04/21/22 09:07	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	04/21/22 09:07	
Dibromochloromethane	ug/L	<2.6	5.0	04/21/22 09:07	
Dibromomethane	ug/L	<0.99	5.0	04/21/22 09:07	
Dichlorodifluoromethane	ug/L	<0.46	5.0	04/21/22 09:07	

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243661

METHOD BLANK: 2382163 Matrix: Water
Associated Lab Samples: 40243661001, 40243661002, 40243661003, 40243661004, 40243661005, 40243661006, 40243661007, 40243661008, 40243661009, 40243661010, 40243661011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	<1.1	5.0	04/21/22 09:07	
Ethylbenzene	ug/L	<0.33	1.0	04/21/22 09:07	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	04/21/22 09:07	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	04/21/22 09:07	
m&p-Xylene	ug/L	<0.70	2.0	04/21/22 09:07	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	04/21/22 09:07	
Methylene Chloride	ug/L	<0.32	5.0	04/21/22 09:07	
n-Butylbenzene	ug/L	<0.86	1.0	04/21/22 09:07	
n-Propylbenzene	ug/L	<0.35	1.0	04/21/22 09:07	
Naphthalene	ug/L	<1.1	5.0	04/21/22 09:07	
o-Xylene	ug/L	<0.35	1.0	04/21/22 09:07	
p-Isopropyltoluene	ug/L	<1.0	5.0	04/21/22 09:07	
sec-Butylbenzene	ug/L	<0.42	1.0	04/21/22 09:07	
Styrene	ug/L	<0.36	1.0	04/21/22 09:07	
tert-Butylbenzene	ug/L	<0.59	1.0	04/21/22 09:07	
Tetrachloroethene	ug/L	<0.41	1.0	04/21/22 09:07	
Tetrahydrofuran	ug/L	<2.4	25.0	04/21/22 09:07	
Toluene	ug/L	<0.29	1.0	04/21/22 09:07	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	04/21/22 09:07	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	04/21/22 09:07	
Trichloroethene	ug/L	<0.32	1.0	04/21/22 09:07	
Trichlorofluoromethane	ug/L	<0.42	1.0	04/21/22 09:07	
Vinyl chloride	ug/L	<0.17	1.0	04/21/22 09:07	
1,2-Dichlorobenzene-d4 (S)	%	103	70-130	04/21/22 09:07	
4-Bromofluorobenzene (S)	%	98	70-130	04/21/22 09:07	
Toluene-d8 (S)	%	98	70-130	04/21/22 09:07	

LABORATORY CONTROL SAMPLE: 2382164

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	63.5	127	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	43.3	87	66-130	
1,1,2-Trichloroethane	ug/L	50	43.1	86	70-130	
1,1-Dichloroethane	ug/L	50	54.0	108	68-132	
1,1-Dichloroethene	ug/L	50	60.6	121	85-126	
1,2,4-Trichlorobenzene	ug/L	50	50.0	100	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	45.1	90	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	46.5	93	70-130	
1,2-Dichlorobenzene	ug/L	50	50.4	101	70-130	
1,2-Dichloroethane	ug/L	50	53.0	106	70-130	
1,2-Dichloropropane	ug/L	50	48.1	96	78-125	
1,3-Dichlorobenzene	ug/L	50	52.4	105	70-130	
1,4-Dichlorobenzene	ug/L	50	52.7	105	70-130	

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243661

LABORATORY CONTROL SAMPLE: 2382164

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	52.6	105	70-132	
Bromodichloromethane	ug/L	50	54.5	109	70-130	
Bromoform	ug/L	50	48.9	98	65-130	
Bromomethane	ug/L	50	51.0	102	44-128	
Carbon tetrachloride	ug/L	50	65.5	131	70-130	L1
Chlorobenzene	ug/L	50	54.3	109	70-130	
Chloroethane	ug/L	50	59.0	118	73-137	
Chloroform	ug/L	50	55.4	111	80-122	
Chloromethane	ug/L	50	56.0	112	27-148	
cis-1,2-Dichloroethene	ug/L	50	50.0	100	70-130	
cis-1,3-Dichloropropene	ug/L	50	45.8	92	70-130	
Dibromochloromethane	ug/L	50	49.0	98	70-130	
Dichlorodifluoromethane	ug/L	50	61.4	123	22-151	
Ethylbenzene	ug/L	50	56.6	113	80-123	
Isopropylbenzene (Cumene)	ug/L	50	58.7	117	70-130	
m&p-Xylene	ug/L	100	114	114	70-130	
Methyl-tert-butyl ether	ug/L	50	46.6	93	66-130	
Methylene Chloride	ug/L	50	59.0	118	70-130	
o-Xylene	ug/L	50	54.4	109	70-130	
Styrene	ug/L	50	57.9	116	70-130	
Tetrachloroethene	ug/L	50	56.6	113	70-130	
Toluene	ug/L	50	52.2	104	80-121	
trans-1,2-Dichloroethene	ug/L	50	53.0	106	70-130	
trans-1,3-Dichloropropene	ug/L	50	41.4	83	58-125	
Trichloroethene	ug/L	50	55.8	112	70-130	
Trichlorofluoromethane	ug/L	50	66.8	134	84-148	
Vinyl chloride	ug/L	50	58.9	118	63-142	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2382165 2382166

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40243661001 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	<0.30	50	50	50	64.0	61.8	128	124	70-130	4	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	50	44.0	43.6	88	87	66-130	1	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	50	43.5	44.3	87	89	70-130	2	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	50	54.7	53.8	109	108	68-132	2	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	50	63.2	61.3	126	123	76-132	3	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	50	55.3	55.9	111	112	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	50	51.1	51.0	102	102	51-126	0	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	50	46.7	45.7	93	91	70-130	2	20	
1,2-Dichlorobenzene	ug/L	0.61J	50	50	50	52.5	52.1	104	103	70-130	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF

Pace Project No.: 40243661

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2382165 2382166												
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40243661001 Result	Spike Conc.	Spike Conc.	MS Result							
1,2-Dichloroethane	ug/L	<0.29	50	50	52.2	51.5	104	103	70-130	1	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	48.9	48.8	98	98	77-125	0	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	54.7	55.1	109	110	70-130	1	20	
1,4-Dichlorobenzene	ug/L	1.5	50	50	53.6	53.9	104	105	70-130	0	20	
Benzene	ug/L	0.85J	50	50	54.3	54.1	107	106	70-132	0	20	
Bromodichloromethane	ug/L	<0.42	50	50	54.3	52.3	109	105	70-130	4	20	
Bromoform	ug/L	<3.8	50	50	48.2	47.8	96	96	65-130	1	20	
Bromomethane	ug/L	<1.2	50	50	57.8	56.4	116	113	44-128	2	21	
Carbon tetrachloride	ug/L	<0.37	50	50	66.5	64.2	133	128	70-132	4	20	M0
Chlorobenzene	ug/L	4.1	50	50	58.9	58.8	110	109	70-130	0	20	
Chloroethane	ug/L	<1.4	50	50	63.3	64.1	127	128	70-137	1	20	
Chloroform	ug/L	<1.2	50	50	54.8	54.2	110	108	80-122	1	20	
Chloromethane	ug/L	<1.6	50	50	59.7	54.4	119	109	17-149	9	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	52.5	51.8	105	104	70-130	1	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	45.9	46.6	92	93	70-130	1	20	
Dibromochloromethane	ug/L	<2.6	50	50	49.5	48.5	99	97	70-130	2	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	62.8	60.5	126	121	22-158	4	20	
Ethylbenzene	ug/L	<0.33	50	50	56.7	57.2	113	114	80-123	1	20	
Isopropylbenzene (Cumene)	ug/L	2.9J	50	50	63.6	62.8	121	120	70-130	1	20	
m&p-Xylene	ug/L	34.6	100	100	150	150	116	116	70-130	0	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	47.4	46.5	95	93	66-130	2	20	
Methylene Chloride	ug/L	<0.32	50	50	62.5	61.6	125	123	70-130	1	20	
o-Xylene	ug/L	0.67J	50	50	57.3	55.6	113	110	70-130	3	20	
Styrene	ug/L	<0.36	50	50	57.2	57.3	114	115	70-130	0	20	
Tetrachloroethene	ug/L	<0.41	50	50	55.3	56.3	111	113	70-130	2	20	
Toluene	ug/L	<0.29	50	50	52.8	53.1	106	106	80-121	1	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	55.1	54.6	110	109	70-134	1	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	41.1	41.4	82	83	58-130	1	20	
Trichloroethene	ug/L	<0.32	50	50	56.5	55.9	113	112	70-130	1	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	69.7	66.6	139	133	82-151	5	20	
Vinyl chloride	ug/L	<0.17	50	50	62.7	61.7	125	123	61-143	2	20	
1,2-Dichlorobenzene-d4 (S)	%						100	100	70-130			
4-Bromofluorobenzene (S)	%						96	98	70-130			
Toluene-d8 (S)	%						98	100	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243661

QC Batch: 414387	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: 40243661009

METHOD BLANK: 2386024 Matrix: Water
Associated Lab Samples: 40243661009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.14	0.50	04/29/22 00:25	

LABORATORY CONTROL SAMPLE: 2386025

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	10	10.7	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2386026 2386027

Parameter	Units	40243659001		2386027		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Nitrogen, Ammonia	mg/L	<0.14	10	10	10.3	10.3	102	103	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2386028 2386029

Parameter	Units	40243687001		2386029		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Nitrogen, Ammonia	mg/L	0.23J	10	10	10.6	10.7	104	104	90-110	0	20	

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40243661

QC Batch: 414277 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: 40243661009

METHOD BLANK: 2385262 Matrix: Water
Associated Lab Samples: 40243661009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.21	1.0	04/28/22 01:45	

LABORATORY CONTROL SAMPLE: 2385263

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	5	4.9	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2385264 2385265

Parameter	Units	40243779001		2385264		2385265		% Rec Limits	RPD	Max RPD	Qual	
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec					MSD % Rec
Nitrogen, Kjeldahl, Total	mg/L	68.6	50	50	119	120	101	102	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2385266 2385267

Parameter	Units	40243837001		2385266		2385267		% Rec Limits	RPD	Max RPD	Qual	
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec					MSD % Rec
Nitrogen, Kjeldahl, Total	mg/L	<0.21	5	5	5.2	5.2	100	100	90-110	0	20	

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QUALIFIERS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40243661

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11115796 RHINELANDER LF

Pace Project No.: 40243661

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40243661001	MW-20A	EPA 8260	413737		
40243661002	MW-20B	EPA 8260	413737		
40243661003	MW-20B DUP	EPA 8260	413737		
40243661004	MW-20C	EPA 8260	413737		
40243661005	FIELD BLANK	EPA 8260	413737		
40243661006	MW-16A	EPA 8260	413737		
40243661007	MW-16B	EPA 8260	413737		
40243661008	MW-16C	EPA 8260	413737		
40243661009	MW-2A	EPA 8260	413737		
40243661010	MW-2B	EPA 8260	413737		
40243661011	TRIP BLANK	EPA 8260	413737		
40243661009	MW-2A	EPA 350.1	414387	EPA 350.1	414390
40243661009	MW-2A	EPA 351.2	414277	EPA 351.2	414282

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY Analytical Request Document

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

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

40243661

ALL SHADED AREAS are for LAB USE ONLY

Company: **GHD** Billing Information: **GHD**

Address: **900 Long Lake Rd St Paul MN**

Report To: **Grant Anderson** Email To:

Copy To:

Customer Project Name/Number: **Rhinelanders LF 1115796** State: **/** County/City: Time Zone Collected: [] PT [] MT [] CT [] ET

Phone: **612 527 6855** Site/Facility ID #: Compliance Monitoring? [] Yes [] No

Collected By (print): **Ryan Aramot** Purchase Order #: DW PWS ID #: Quote #: DW Location Code:

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

Sample Disposal: Rush: [] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [] Yes [] No Analysis:

Container Preservative Type ** Lab Project Manager:

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns	Analyses	Lab Profile/Line:
			Date	Time	Date	Time				
W-220419-RA-01	GV	6	4/19/22	1149				9	VOCs + tetrahydrofuran Ammonia TLGN	Lab Sample Receipt Checklist: Custody Seals Present/Intact Y N NA Custody Signatures Present Y N NA Collector Signature Present Y N NA Bottles Intact Y N NA Correct Bottles Y N NA Sufficient Volume Y N NA Samples Received on Ice Y N NA VOA - Headspace Acceptable Y N NA USDA Regulated Soils Y N NA Samples in Holding Time Y N NA Residual Chlorine Present Y N NA Cl Strips: Y N NA Sample pH Acceptable Y N NA pH Strips: Y N NA Sulfide Present Y N NA Lead Acetate Strips: Y N NA LAB USE ONLY: Lab Sample # / Comments:
W-220419-RA-02			4/19/22	1139			3	001		
W-220419-RA-03			4/19/22	1139			3	002		
W-220419-RA-04			4/19	1159			3	003		
W-220419-RA-05				1200			3	004		
W-220419-RA-06				1408			3	005		
W-220419-RA-07				1352			3	006		
W-220419-RA-08				1417			3	007		
W-220419-RA-09				1440			4	008		
W-220419-RA-10				1450			3	009		
								010		
								011		
								012		
								013		
								014		
								015		

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
W-220419-RA-01	GV	6	4/19/22	1149			9	
W-220419-RA-02			4/19/22	1139			3	
W-220419-RA-03			4/19/22	1139			3	
W-220419-RA-04			4/19	1159			3	
W-220419-RA-05				1200			3	
W-220419-RA-06				1408			3	
W-220419-RA-07				1352			3	
W-220419-RA-08				1417			3	
W-220419-RA-09				1440			4	
W-220419-RA-10				1450			3	

Customer Remarks / Special Conditions / Possible Hazards: **trip blank included oil**
no sample times in bottles

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

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

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

Lab Tracking #: **2764318**

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: **30-2022**

Cooler 1 Temp Upon Receipt: oC

Cooler 1 Therm Cor Factor: oC

Cooler 1 Corrected Temp: oC

Comments:

Relinquished by/Company: (Signature) **GHD** Date/Time: **4/19/22 1530** Received by/Company: (Signature) Date/Time:

Relinquished by/Company: (Signature) **Fed ex** Date/Time: **4-20-22 0945** Received by/Company: (Signature) **John P. [Signature]** Date/Time: **4-20-22 0945**

Relinquished by/Company: (Signature) Date/Time: Received by/Company: (Signature) Date/Time:

MTJL LAB USE ONLY

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: **35** of **37**

Sample Preservation Receipt Form

Client Name: GHD

Project # 4024366

All containers needing preservation have been checked and noted below: Yes No N/A 2/3

Initial when completed: [Signature]

Date/Time:

Lab Lot# of pH paper: 1003112

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
001																3																2.5 / 5 / 10
002																3																2.5 / 5 / 10
003																3																2.5 / 5 / 10
004																3																2.5 / 5 / 10
005																4																2.5 / 5 / 10
006																3																2.5 / 5 / 10
007																3																2.5 / 5 / 10
008																3																2.5 / 5 / 10
009													1			3																2.5 / 5 / 10
010																3											X					2.5 / 5 / 10
011																2																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: Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm): Yes No N/A *if yes look in headspace column


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

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: GHD

WO# : 40243661



40243661

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

Tracking #: 8157 3512 2690

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

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

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - 116 Type of Ice: Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 2 / Corr: 2.1

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

Person examining contents:
 Date: 4-20-22 / Initials: MP
 Labeled By Initials: MP

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

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. <u>+CC 4-20-22</u>
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>PJ#</u> <u>4-20-22</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>No times</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>		<u>4-20-22</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <u>Trip blank received Lab added to COC</u>
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>477</u>		<u>4-20-22</u>

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

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

October 17, 2022

Grant Anderson
GHD Services
900 Long Lake Road
Suite 200
New Brighton, MN 55112

RE: Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Dear Grant Anderson:

Enclosed are the analytical results for sample(s) received by the laboratory on October 06, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,



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

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

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

Pace Project No.: 40252622

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40252622001	MW-16A	Water	10/04/22 14:35	10/06/22 10:10
40252622002	FIELD BLANK	Water	10/04/22 14:35	10/06/22 10:10
40252622003	MW-16C	Water	10/04/22 14:40	10/06/22 10:10
40252622004	MW-16C DUP	Water	10/04/22 14:50	10/06/22 10:10
40252622005	MW-16B	Water	10/04/22 15:10	10/06/22 10:10
40252622006	MW-26B	Water	10/04/22 15:20	10/06/22 10:10
40252622007	MW-26C	Water	10/04/22 15:45	10/06/22 10:10
40252622008	MW-25B	Water	10/04/22 16:10	10/06/22 10:10
40252622009	MW-4A	Water	10/04/22 16:45	10/06/22 10:10
40252622010	MW-5A	Water	10/04/22 15:05	10/06/22 10:10
40252622011	POUR BLANK	Water	10/04/22 15:05	10/06/22 10:10
40252622012	MW-20A	Water	10/04/22 17:40	10/06/22 10:10
40252622013	MW-20A DUP	Water	10/04/22 17:40	10/06/22 10:10
40252622014	MW-20C	Water	10/04/22 17:50	10/06/22 10:10
40252622015	MW-20B	Water	10/04/22 18:00	10/06/22 10:10
40252622016	MW-2B	Water	10/05/22 07:30	10/06/22 10:10
40252622017	MW-2A	Water	10/05/22 07:45	10/06/22 10:10
40252622018	MW-21A	Water	10/05/22 08:15	10/06/22 10:10
40252622019	MW-3A	Water	10/05/22 08:45	10/06/22 10:10
40252622020	MW-27B	Water	10/05/22 10:15	10/06/22 10:10
40252622021	MW-28A	Water	10/05/22 10:10	10/06/22 10:10
40252622022	MW-18A	Water	10/05/22 11:05	10/06/22 10:10
40252622023	MW-18C	Water	10/05/22 11:35	10/06/22 10:10
40252622024	MW-18B	Water	10/05/22 11:50	10/06/22 10:10
40252622025	TRIP BLANK	Water	10/05/22 00:00	10/06/22 10:10

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SAMPLE ANALYTE COUNT

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40252622001	MW-16A	EPA 8260	EIB	65
40252622002	FIELD BLANK	EPA 8260	EIB	65
40252622003	MW-16C	EPA 8260	EIB	65
40252622004	MW-16C DUP	EPA 8260	EIB	65
40252622005	MW-16B	EPA 8260	EIB	65
40252622006	MW-26B	EPA 8260	EIB	65
40252622007	MW-26C	EPA 8260	EIB	65
40252622008	MW-25B	EPA 8260	EIB	65
40252622009	MW-4A	EPA 8260	EIB	65
40252622010	MW-5A	EPA 8260	EIB	65
40252622011	POUR BLANK	EPA 8260	EIB	65
40252622012	MW-20A	EPA 8260	EIB	65
40252622013	MW-20A DUP	EPA 8260	EIB	65
40252622014	MW-20C	EPA 8260	EIB	65
40252622015	MW-20B	EPA 8260	EIB	65
40252622016	MW-2B	EPA 8260	EIB	65
40252622017	MW-2A	EPA 8260	EIB	65
		EPA 350.1	TMK	1
		EPA 351.2	TMK	1
40252622018	MW-21A	EPA 8260	EIB	65
		EPA 350.1	TMK	1
		EPA 351.2	TMK	1
40252622019	MW-3A	EPA 8260	EIB	65
		EPA 350.1	TMK	1
		EPA 351.2	TMK	1
40252622020	MW-27B	EPA 8260	EIB	65
40252622021	MW-28A	EPA 8260	EIB	65
40252622022	MW-18A	EPA 8260	EIB	65
40252622023	MW-18C	EPA 8260	EIB	65
40252622024	MW-18B	EPA 8260	EIB	65
40252622025	TRIP BLANK	EPA 8260	EIB	65

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Sample: MW-16A **Lab ID: 40252622001** Collected: 10/04/22 14:35 Received: 10/06/22 10:10 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	0.99J	ug/L	1.0	0.30	1		10/11/22 21:40	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 21:40	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/11/22 21:40	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 21:40	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/11/22 21:40	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/11/22 21:40	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 21:40	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/11/22 21:40	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/11/22 21:40	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/11/22 21:40	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 21:40	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/11/22 21:40	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/11/22 21:40	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/11/22 21:40	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 21:40	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 21:40	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/11/22 21:40	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/11/22 21:40	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/11/22 21:40	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/11/22 21:40	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 21:40	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 21:40	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/11/22 21:40	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/11/22 21:40	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 21:40	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/11/22 21:40	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/11/22 21:40	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/11/22 21:40	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/11/22 21:40	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/11/22 21:40	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/11/22 21:40	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		10/11/22 21:40	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/11/22 21:40	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/11/22 21:40	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/11/22 21:40	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 21:40	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 21:40	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/11/22 21:40	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/11/22 21:40	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/11/22 21:40	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/11/22 21:40	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 21:40	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		10/11/22 21:40	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 21:40	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/11/22 21:40	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: MW-16A **Lab ID: 40252622001** Collected: 10/04/22 14:35 Received: 10/06/22 10:10 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		10/11/22 21:40	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/11/22 21:40	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/11/22 21:40	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		10/11/22 21:40	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		10/11/22 21:40	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/11/22 21:40	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/11/22 21:40	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 21:40	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/11/22 21:40	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/11/22 21:40	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 21:40	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		10/11/22 21:40	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/11/22 21:40	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 21:40	108-67-8	
Vinyl chloride	1.1	ug/L	1.0	0.17	1		10/11/22 21:40	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/11/22 21:40	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/11/22 21:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/11/22 21:40	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/11/22 21:40	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		10/11/22 21:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: FIELD BLANK **Lab ID: 40252622002** Collected: 10/04/22 14:35 Received: 10/06/22 10:10 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		10/11/22 18:34	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 18:34	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/11/22 18:34	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 18:34	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/11/22 18:34	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/11/22 18:34	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 18:34	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/11/22 18:34	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/11/22 18:34	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/11/22 18:34	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 18:34	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/11/22 18:34	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/11/22 18:34	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/11/22 18:34	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 18:34	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 18:34	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/11/22 18:34	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/11/22 18:34	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/11/22 18:34	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/11/22 18:34	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 18:34	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 18:34	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/11/22 18:34	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/11/22 18:34	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 18:34	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/11/22 18:34	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/11/22 18:34	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/11/22 18:34	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/11/22 18:34	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/11/22 18:34	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/11/22 18:34	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		10/11/22 18:34	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/11/22 18:34	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/11/22 18:34	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/11/22 18:34	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 18:34	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 18:34	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/11/22 18:34	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/11/22 18:34	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/11/22 18:34	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/11/22 18:34	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 18:34	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		10/11/22 18:34	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 18:34	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/11/22 18:34	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Sample: FIELD BLANK **Lab ID: 40252622002** Collected: 10/04/22 14:35 Received: 10/06/22 10:10 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		10/11/22 18:34	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/11/22 18:34	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/11/22 18:34	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		10/11/22 18:34	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		10/11/22 18:34	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/11/22 18:34	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/11/22 18:34	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 18:34	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/11/22 18:34	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/11/22 18:34	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 18:34	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		10/11/22 18:34	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/11/22 18:34	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 18:34	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/11/22 18:34	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/11/22 18:34	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/11/22 18:34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/11/22 18:34	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/11/22 18:34	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		10/11/22 18:34	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: MW-16C **Lab ID: 40252622003** Collected: 10/04/22 14:40 Received: 10/06/22 10:10 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	1.0	ug/L	1.0	0.30	1		10/11/22 22:01	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 22:01	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/11/22 22:01	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 22:01	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/11/22 22:01	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/11/22 22:01	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 22:01	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/11/22 22:01	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/11/22 22:01	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/11/22 22:01	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 22:01	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/11/22 22:01	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/11/22 22:01	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/11/22 22:01	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 22:01	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 22:01	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/11/22 22:01	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/11/22 22:01	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/11/22 22:01	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/11/22 22:01	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 22:01	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 22:01	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/11/22 22:01	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/11/22 22:01	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 22:01	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/11/22 22:01	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/11/22 22:01	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/11/22 22:01	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/11/22 22:01	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/11/22 22:01	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/11/22 22:01	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		10/11/22 22:01	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/11/22 22:01	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/11/22 22:01	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/11/22 22:01	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 22:01	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 22:01	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/11/22 22:01	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/11/22 22:01	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/11/22 22:01	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/11/22 22:01	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 22:01	1634-04-4	
Naphthalene	2.2J	ug/L	5.0	1.1	1		10/11/22 22:01	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 22:01	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/11/22 22:01	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: MW-16C **Lab ID: 40252622003** Collected: 10/04/22 14:40 Received: 10/06/22 10:10 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		10/11/22 22:01	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/11/22 22:01	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/11/22 22:01	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		10/11/22 22:01	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		10/11/22 22:01	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/11/22 22:01	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/11/22 22:01	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 22:01	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/11/22 22:01	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/11/22 22:01	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 22:01	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		10/11/22 22:01	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/11/22 22:01	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 22:01	108-67-8	
Vinyl chloride	0.22J	ug/L	1.0	0.17	1		10/11/22 22:01	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/11/22 22:01	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/11/22 22:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/11/22 22:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/11/22 22:01	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		10/11/22 22:01	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Sample: MW-16C DUP **Lab ID: 40252622004** Collected: 10/04/22 14:50 Received: 10/06/22 10:10 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	0.96J	ug/L	1.0	0.30	1		10/11/22 22:22	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 22:22	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/11/22 22:22	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 22:22	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/11/22 22:22	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/11/22 22:22	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 22:22	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/11/22 22:22	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/11/22 22:22	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/11/22 22:22	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 22:22	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/11/22 22:22	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/11/22 22:22	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/11/22 22:22	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 22:22	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 22:22	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/11/22 22:22	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/11/22 22:22	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/11/22 22:22	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/11/22 22:22	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 22:22	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 22:22	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/11/22 22:22	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/11/22 22:22	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 22:22	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/11/22 22:22	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/11/22 22:22	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/11/22 22:22	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/11/22 22:22	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/11/22 22:22	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/11/22 22:22	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		10/11/22 22:22	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/11/22 22:22	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/11/22 22:22	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/11/22 22:22	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 22:22	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 22:22	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/11/22 22:22	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/11/22 22:22	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/11/22 22:22	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/11/22 22:22	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 22:22	1634-04-4	
Naphthalene	2.2J	ug/L	5.0	1.1	1		10/11/22 22:22	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 22:22	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/11/22 22:22	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Sample: MW-16C DUP **Lab ID: 40252622004** Collected: 10/04/22 14:50 Received: 10/06/22 10:10 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		10/11/22 22:22	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/11/22 22:22	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/11/22 22:22	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		10/11/22 22:22	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		10/11/22 22:22	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/11/22 22:22	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/11/22 22:22	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 22:22	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/11/22 22:22	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/11/22 22:22	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 22:22	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		10/11/22 22:22	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/11/22 22:22	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 22:22	108-67-8	
Vinyl chloride	0.25J	ug/L	1.0	0.17	1		10/11/22 22:22	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/11/22 22:22	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/11/22 22:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		10/11/22 22:22	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		10/11/22 22:22	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		10/11/22 22:22	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: MW-16B **Lab ID: 40252622005** Collected: 10/04/22 15:10 Received: 10/06/22 10:10 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	1.1	ug/L	1.0	0.30	1		10/11/22 18:55	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 18:55	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/11/22 18:55	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 18:55	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/11/22 18:55	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/11/22 18:55	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 18:55	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/11/22 18:55	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/11/22 18:55	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/11/22 18:55	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 18:55	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/11/22 18:55	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/11/22 18:55	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/11/22 18:55	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 18:55	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 18:55	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/11/22 18:55	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/11/22 18:55	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/11/22 18:55	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/11/22 18:55	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 18:55	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 18:55	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/11/22 18:55	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/11/22 18:55	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 18:55	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/11/22 18:55	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/11/22 18:55	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/11/22 18:55	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/11/22 18:55	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/11/22 18:55	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/11/22 18:55	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		10/11/22 18:55	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/11/22 18:55	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/11/22 18:55	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/11/22 18:55	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 18:55	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 18:55	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/11/22 18:55	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/11/22 18:55	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/11/22 18:55	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/11/22 18:55	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 18:55	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		10/11/22 18:55	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 18:55	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/11/22 18:55	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: MW-16B **Lab ID: 40252622005** Collected: 10/04/22 15:10 Received: 10/06/22 10:10 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		10/11/22 18:55	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/11/22 18:55	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/11/22 18:55	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		10/11/22 18:55	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		10/11/22 18:55	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/11/22 18:55	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/11/22 18:55	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 18:55	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/11/22 18:55	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/11/22 18:55	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 18:55	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		10/11/22 18:55	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/11/22 18:55	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 18:55	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/11/22 18:55	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/11/22 18:55	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/11/22 18:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/11/22 18:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/11/22 18:55	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		10/11/22 18:55	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: MW-26B **Lab ID: 40252622006** Collected: 10/04/22 15:20 Received: 10/06/22 10:10 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		10/11/22 13:57	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 13:57	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/11/22 13:57	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 13:57	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/11/22 13:57	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/11/22 13:57	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 13:57	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/11/22 13:57	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/11/22 13:57	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/11/22 13:57	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 13:57	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/11/22 13:57	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/11/22 13:57	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/11/22 13:57	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 13:57	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 13:57	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/11/22 13:57	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/11/22 13:57	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/11/22 13:57	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/11/22 13:57	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 13:57	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 13:57	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/11/22 13:57	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/11/22 13:57	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 13:57	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/11/22 13:57	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/11/22 13:57	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/11/22 13:57	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/11/22 13:57	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/11/22 13:57	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/11/22 13:57	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		10/11/22 13:57	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/11/22 13:57	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/11/22 13:57	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/11/22 13:57	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 13:57	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 13:57	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/11/22 13:57	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/11/22 13:57	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/11/22 13:57	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/11/22 13:57	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 13:57	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		10/11/22 13:57	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 13:57	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/11/22 13:57	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Sample: MW-26B **Lab ID: 40252622006** Collected: 10/04/22 15:20 Received: 10/06/22 10:10 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		10/11/22 13:57	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/11/22 13:57	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/11/22 13:57	127-18-4	
Tetrahydrofuran	3.8J	ug/L	25.0	2.4	1		10/11/22 13:57	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		10/11/22 13:57	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/11/22 13:57	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/11/22 13:57	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 13:57	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/11/22 13:57	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/11/22 13:57	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 13:57	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		10/11/22 13:57	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/11/22 13:57	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 13:57	108-67-8	
Vinyl chloride	1.1	ug/L	1.0	0.17	1		10/11/22 13:57	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/11/22 13:57	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/11/22 13:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		10/11/22 13:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/11/22 13:57	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		10/11/22 13:57	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Sample: MW-26C **Lab ID: 40252622007** Collected: 10/04/22 15:45 Received: 10/06/22 10:10 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	0.30	1		10/11/22 14:18	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 14:18	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/11/22 14:18	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 14:18	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/11/22 14:18	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/11/22 14:18	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 14:18	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/11/22 14:18	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/11/22 14:18	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/11/22 14:18	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 14:18	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/11/22 14:18	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/11/22 14:18	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/11/22 14:18	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 14:18	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 14:18	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/11/22 14:18	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/11/22 14:18	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/11/22 14:18	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/11/22 14:18	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 14:18	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 14:18	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/11/22 14:18	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/11/22 14:18	75-71-8	
1,1-Dichloroethane	0.35J	ug/L	1.0	0.30	1		10/11/22 14:18	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/11/22 14:18	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/11/22 14:18	75-35-4	
cis-1,2-Dichloroethene	0.52J	ug/L	1.0	0.47	1		10/11/22 14:18	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/11/22 14:18	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/11/22 14:18	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/11/22 14:18	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		10/11/22 14:18	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/11/22 14:18	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/11/22 14:18	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/11/22 14:18	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 14:18	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 14:18	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/11/22 14:18	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/11/22 14:18	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/11/22 14:18	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/11/22 14:18	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 14:18	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		10/11/22 14:18	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 14:18	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/11/22 14:18	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Sample: MW-26C **Lab ID: 40252622007** Collected: 10/04/22 15:45 Received: 10/06/22 10:10 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		10/11/22 14:18	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/11/22 14:18	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/11/22 14:18	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		10/11/22 14:18	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		10/11/22 14:18	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/11/22 14:18	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/11/22 14:18	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 14:18	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/11/22 14:18	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/11/22 14:18	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 14:18	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		10/11/22 14:18	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/11/22 14:18	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 14:18	108-67-8	
Vinyl chloride	3.1	ug/L	1.0	0.17	1		10/11/22 14:18	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/11/22 14:18	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/11/22 14:18	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/11/22 14:18	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/11/22 14:18	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		10/11/22 14:18	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Sample: MW-25B **Lab ID: 40252622008** Collected: 10/04/22 16:10 Received: 10/06/22 10:10 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		10/11/22 14:39	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 14:39	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/11/22 14:39	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 14:39	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/11/22 14:39	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/11/22 14:39	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 14:39	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/11/22 14:39	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/11/22 14:39	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/11/22 14:39	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 14:39	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/11/22 14:39	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/11/22 14:39	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/11/22 14:39	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 14:39	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 14:39	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/11/22 14:39	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/11/22 14:39	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/11/22 14:39	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/11/22 14:39	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 14:39	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 14:39	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/11/22 14:39	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/11/22 14:39	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 14:39	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/11/22 14:39	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/11/22 14:39	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/11/22 14:39	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/11/22 14:39	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/11/22 14:39	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/11/22 14:39	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		10/11/22 14:39	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/11/22 14:39	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/11/22 14:39	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/11/22 14:39	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 14:39	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 14:39	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/11/22 14:39	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/11/22 14:39	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/11/22 14:39	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/11/22 14:39	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 14:39	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		10/11/22 14:39	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 14:39	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/11/22 14:39	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: MW-25B **Lab ID: 40252622008** Collected: 10/04/22 16:10 Received: 10/06/22 10:10 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		10/11/22 14:39	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/11/22 14:39	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/11/22 14:39	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		10/11/22 14:39	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		10/11/22 14:39	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/11/22 14:39	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/11/22 14:39	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 14:39	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/11/22 14:39	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/11/22 14:39	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 14:39	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		10/11/22 14:39	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/11/22 14:39	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 14:39	108-67-8	
Vinyl chloride	0.62J	ug/L	1.0	0.17	1		10/11/22 14:39	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/11/22 14:39	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/11/22 14:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		10/11/22 14:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/11/22 14:39	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		10/11/22 14:39	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Sample: MW-4A Lab ID: 40252622009 Collected: 10/04/22 16:45 Received: 10/06/22 10:10 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		10/11/22 19:16	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 19:16	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/11/22 19:16	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 19:16	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/11/22 19:16	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/11/22 19:16	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 19:16	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/11/22 19:16	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/11/22 19:16	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/11/22 19:16	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 19:16	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/11/22 19:16	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/11/22 19:16	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/11/22 19:16	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 19:16	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 19:16	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/11/22 19:16	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/11/22 19:16	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/11/22 19:16	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/11/22 19:16	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 19:16	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 19:16	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/11/22 19:16	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/11/22 19:16	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 19:16	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/11/22 19:16	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/11/22 19:16	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/11/22 19:16	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/11/22 19:16	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/11/22 19:16	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/11/22 19:16	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		10/11/22 19:16	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/11/22 19:16	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/11/22 19:16	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/11/22 19:16	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 19:16	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 19:16	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/11/22 19:16	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/11/22 19:16	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/11/22 19:16	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/11/22 19:16	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 19:16	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		10/11/22 19:16	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 19:16	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/11/22 19:16	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: MW-4A **Lab ID: 40252622009** Collected: 10/04/22 16:45 Received: 10/06/22 10:10 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		10/11/22 19:16	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/11/22 19:16	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/11/22 19:16	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		10/11/22 19:16	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		10/11/22 19:16	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/11/22 19:16	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/11/22 19:16	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 19:16	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/11/22 19:16	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/11/22 19:16	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 19:16	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		10/11/22 19:16	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/11/22 19:16	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 19:16	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/11/22 19:16	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/11/22 19:16	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/11/22 19:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		10/11/22 19:16	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		10/11/22 19:16	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		10/11/22 19:16	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Sample: MW-5A **Lab ID: 40252622010** Collected: 10/04/22 15:05 Received: 10/06/22 10:10 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		10/11/22 19:36	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 19:36	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/11/22 19:36	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 19:36	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/11/22 19:36	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/11/22 19:36	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 19:36	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/11/22 19:36	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/11/22 19:36	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/11/22 19:36	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 19:36	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/11/22 19:36	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/11/22 19:36	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/11/22 19:36	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 19:36	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 19:36	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/11/22 19:36	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/11/22 19:36	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/11/22 19:36	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/11/22 19:36	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 19:36	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 19:36	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/11/22 19:36	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/11/22 19:36	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 19:36	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/11/22 19:36	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/11/22 19:36	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/11/22 19:36	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/11/22 19:36	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/11/22 19:36	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/11/22 19:36	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		10/11/22 19:36	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/11/22 19:36	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/11/22 19:36	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/11/22 19:36	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 19:36	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 19:36	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/11/22 19:36	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/11/22 19:36	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/11/22 19:36	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/11/22 19:36	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 19:36	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		10/11/22 19:36	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 19:36	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/11/22 19:36	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: MW-5A **Lab ID: 40252622010** Collected: 10/04/22 15:05 Received: 10/06/22 10:10 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		10/11/22 19:36	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/11/22 19:36	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/11/22 19:36	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		10/11/22 19:36	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		10/11/22 19:36	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/11/22 19:36	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/11/22 19:36	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 19:36	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/11/22 19:36	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/11/22 19:36	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 19:36	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		10/11/22 19:36	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/11/22 19:36	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 19:36	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/11/22 19:36	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/11/22 19:36	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/11/22 19:36	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		10/11/22 19:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/11/22 19:36	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		10/11/22 19:36	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Sample: **POUR BLANK** Lab ID: **40252622011** Collected: 10/04/22 15:05 Received: 10/06/22 10:10 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		10/11/22 19:57	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 19:57	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/11/22 19:57	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 19:57	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/11/22 19:57	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/11/22 19:57	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 19:57	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/11/22 19:57	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/11/22 19:57	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/11/22 19:57	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 19:57	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/11/22 19:57	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/11/22 19:57	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/11/22 19:57	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 19:57	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 19:57	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/11/22 19:57	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/11/22 19:57	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/11/22 19:57	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/11/22 19:57	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 19:57	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 19:57	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/11/22 19:57	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/11/22 19:57	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 19:57	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/11/22 19:57	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/11/22 19:57	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/11/22 19:57	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/11/22 19:57	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/11/22 19:57	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/11/22 19:57	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		10/11/22 19:57	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/11/22 19:57	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/11/22 19:57	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/11/22 19:57	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 19:57	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 19:57	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/11/22 19:57	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/11/22 19:57	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/11/22 19:57	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/11/22 19:57	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 19:57	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		10/11/22 19:57	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 19:57	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/11/22 19:57	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: POUR BLANK **Lab ID: 40252622011** Collected: 10/04/22 15:05 Received: 10/06/22 10:10 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		10/11/22 19:57	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/11/22 19:57	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/11/22 19:57	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		10/11/22 19:57	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		10/11/22 19:57	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/11/22 19:57	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/11/22 19:57	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 19:57	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/11/22 19:57	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/11/22 19:57	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 19:57	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		10/11/22 19:57	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/11/22 19:57	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 19:57	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/11/22 19:57	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/11/22 19:57	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/11/22 19:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		10/11/22 19:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/11/22 19:57	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		10/11/22 19:57	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Sample: MW-20A **Lab ID: 40252622012** Collected: 10/04/22 17:40 Received: 10/06/22 10:10 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	1.9	ug/L	1.0	0.30	1		10/11/22 20:18	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 20:18	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/11/22 20:18	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 20:18	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/11/22 20:18	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/11/22 20:18	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 20:18	104-51-8	
sec-Butylbenzene	0.56J	ug/L	1.0	0.42	1		10/11/22 20:18	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/11/22 20:18	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/11/22 20:18	56-23-5	
Chlorobenzene	8.6	ug/L	1.0	0.86	1		10/11/22 20:18	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/11/22 20:18	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/11/22 20:18	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/11/22 20:18	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 20:18	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 20:18	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/11/22 20:18	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/11/22 20:18	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/11/22 20:18	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/11/22 20:18	74-95-3	
1,2-Dichlorobenzene	0.86J	ug/L	1.0	0.33	1		10/11/22 20:18	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 20:18	541-73-1	
1,4-Dichlorobenzene	2.1	ug/L	1.0	0.89	1		10/11/22 20:18	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/11/22 20:18	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 20:18	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/11/22 20:18	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/11/22 20:18	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/11/22 20:18	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/11/22 20:18	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/11/22 20:18	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/11/22 20:18	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		10/11/22 20:18	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/11/22 20:18	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/11/22 20:18	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/11/22 20:18	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 20:18	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 20:18	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/11/22 20:18	87-68-3	
Isopropylbenzene (Cumene)	4.0J	ug/L	5.0	1.0	1		10/11/22 20:18	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/11/22 20:18	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/11/22 20:18	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 20:18	1634-04-4	
Naphthalene	17.4	ug/L	5.0	1.1	1		10/11/22 20:18	91-20-3	
n-Propylbenzene	2.8	ug/L	1.0	0.35	1		10/11/22 20:18	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/11/22 20:18	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: MW-20A **Lab ID: 40252622012** Collected: 10/04/22 17:40 Received: 10/06/22 10:10 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		10/11/22 20:18	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/11/22 20:18	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/11/22 20:18	127-18-4	
Tetrahydrofuran	16.1J	ug/L	25.0	2.4	1		10/11/22 20:18	109-99-9	
Toluene	0.29J	ug/L	1.0	0.29	1		10/11/22 20:18	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/11/22 20:18	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/11/22 20:18	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 20:18	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/11/22 20:18	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/11/22 20:18	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 20:18	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		10/11/22 20:18	96-18-4	
1,2,4-Trimethylbenzene	23.4	ug/L	1.0	0.45	1		10/11/22 20:18	95-63-6	
1,3,5-Trimethylbenzene	3.8	ug/L	1.0	0.36	1		10/11/22 20:18	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/11/22 20:18	75-01-4	
m&p-Xylene	53.1	ug/L	2.0	0.70	1		10/11/22 20:18	179601-23-1	
o-Xylene	1.1	ug/L	1.0	0.35	1		10/11/22 20:18	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/11/22 20:18	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		10/11/22 20:18	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		10/11/22 20:18	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Sample: MW-20A DUP Lab ID: 40252622013 Collected: 10/04/22 17:40 Received: 10/06/22 10:10 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	1.9	ug/L	1.0	0.30	1		10/11/22 20:38	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 20:38	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/11/22 20:38	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 20:38	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/11/22 20:38	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/11/22 20:38	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 20:38	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/11/22 20:38	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/11/22 20:38	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/11/22 20:38	56-23-5	
Chlorobenzene	8.4	ug/L	1.0	0.86	1		10/11/22 20:38	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/11/22 20:38	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/11/22 20:38	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/11/22 20:38	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 20:38	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 20:38	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/11/22 20:38	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/11/22 20:38	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/11/22 20:38	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/11/22 20:38	74-95-3	
1,2-Dichlorobenzene	0.83J	ug/L	1.0	0.33	1		10/11/22 20:38	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 20:38	541-73-1	
1,4-Dichlorobenzene	2.2	ug/L	1.0	0.89	1		10/11/22 20:38	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/11/22 20:38	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 20:38	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/11/22 20:38	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/11/22 20:38	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/11/22 20:38	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/11/22 20:38	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/11/22 20:38	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/11/22 20:38	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		10/11/22 20:38	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/11/22 20:38	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/11/22 20:38	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/11/22 20:38	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 20:38	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 20:38	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/11/22 20:38	87-68-3	
Isopropylbenzene (Cumene)	4.1J	ug/L	5.0	1.0	1		10/11/22 20:38	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/11/22 20:38	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/11/22 20:38	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 20:38	1634-04-4	
Naphthalene	18.1	ug/L	5.0	1.1	1		10/11/22 20:38	91-20-3	
n-Propylbenzene	2.8	ug/L	1.0	0.35	1		10/11/22 20:38	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/11/22 20:38	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Sample: MW-20A DUP **Lab ID: 40252622013** Collected: 10/04/22 17:40 Received: 10/06/22 10:10 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		10/11/22 20:38	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/11/22 20:38	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/11/22 20:38	127-18-4	
Tetrahydrofuran	16.1J	ug/L	25.0	2.4	1		10/11/22 20:38	109-99-9	
Toluene	0.34J	ug/L	1.0	0.29	1		10/11/22 20:38	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/11/22 20:38	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/11/22 20:38	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 20:38	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/11/22 20:38	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/11/22 20:38	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 20:38	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		10/11/22 20:38	96-18-4	
1,2,4-Trimethylbenzene	22.4	ug/L	1.0	0.45	1		10/11/22 20:38	95-63-6	
1,3,5-Trimethylbenzene	3.9	ug/L	1.0	0.36	1		10/11/22 20:38	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/11/22 20:38	75-01-4	
m&p-Xylene	49.5	ug/L	2.0	0.70	1		10/11/22 20:38	179601-23-1	
o-Xylene	1.2	ug/L	1.0	0.35	1		10/11/22 20:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/11/22 20:38	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		10/11/22 20:38	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		10/11/22 20:38	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: MW-20C **Lab ID: 40252622014** Collected: 10/04/22 17:50 Received: 10/06/22 10:10 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	0.90J	ug/L	1.0	0.30	1		10/11/22 20:59	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 20:59	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/11/22 20:59	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 20:59	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/11/22 20:59	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/11/22 20:59	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 20:59	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/11/22 20:59	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/11/22 20:59	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/11/22 20:59	56-23-5	
Chlorobenzene	1.8	ug/L	1.0	0.86	1		10/11/22 20:59	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/11/22 20:59	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/11/22 20:59	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/11/22 20:59	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 20:59	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 20:59	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/11/22 20:59	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/11/22 20:59	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/11/22 20:59	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/11/22 20:59	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 20:59	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 20:59	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/11/22 20:59	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/11/22 20:59	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 20:59	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/11/22 20:59	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/11/22 20:59	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/11/22 20:59	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/11/22 20:59	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/11/22 20:59	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/11/22 20:59	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		10/11/22 20:59	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/11/22 20:59	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/11/22 20:59	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/11/22 20:59	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 20:59	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 20:59	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/11/22 20:59	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/11/22 20:59	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/11/22 20:59	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/11/22 20:59	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 20:59	1634-04-4	
Naphthalene	4.5J	ug/L	5.0	1.1	1		10/11/22 20:59	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 20:59	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/11/22 20:59	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: MW-20C **Lab ID: 40252622014** Collected: 10/04/22 17:50 Received: 10/06/22 10:10 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		10/11/22 20:59	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/11/22 20:59	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/11/22 20:59	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		10/11/22 20:59	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		10/11/22 20:59	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/11/22 20:59	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/11/22 20:59	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 20:59	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/11/22 20:59	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/11/22 20:59	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 20:59	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		10/11/22 20:59	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/11/22 20:59	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 20:59	108-67-8	
Vinyl chloride	0.26J	ug/L	1.0	0.17	1		10/11/22 20:59	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/11/22 20:59	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/11/22 20:59	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/11/22 20:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/11/22 20:59	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		10/11/22 20:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: MW-20B **Lab ID: 40252622015** Collected: 10/04/22 18:00 Received: 10/06/22 10:10 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	0.66J	ug/L	1.0	0.30	1		10/11/22 14:59	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 14:59	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/11/22 14:59	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 14:59	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/11/22 14:59	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/11/22 14:59	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 14:59	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/11/22 14:59	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/11/22 14:59	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/11/22 14:59	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 14:59	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/11/22 14:59	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/11/22 14:59	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/11/22 14:59	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 14:59	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 14:59	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/11/22 14:59	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/11/22 14:59	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/11/22 14:59	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/11/22 14:59	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 14:59	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 14:59	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/11/22 14:59	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/11/22 14:59	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 14:59	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/11/22 14:59	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/11/22 14:59	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/11/22 14:59	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/11/22 14:59	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/11/22 14:59	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/11/22 14:59	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		10/11/22 14:59	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/11/22 14:59	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/11/22 14:59	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/11/22 14:59	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 14:59	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 14:59	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/11/22 14:59	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/11/22 14:59	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/11/22 14:59	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/11/22 14:59	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 14:59	1634-04-4	
Naphthalene	3.8J	ug/L	5.0	1.1	1		10/11/22 14:59	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 14:59	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/11/22 14:59	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Sample: MW-20B **Lab ID: 40252622015** Collected: 10/04/22 18:00 Received: 10/06/22 10:10 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		10/11/22 14:59	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/11/22 14:59	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/11/22 14:59	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		10/11/22 14:59	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		10/11/22 14:59	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/11/22 14:59	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/11/22 14:59	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 14:59	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/11/22 14:59	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/11/22 14:59	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 14:59	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		10/11/22 14:59	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/11/22 14:59	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 14:59	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/11/22 14:59	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/11/22 14:59	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/11/22 14:59	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/11/22 14:59	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		10/11/22 14:59	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		10/11/22 14:59	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: MW-2B **Lab ID: 40252622016** Collected: 10/05/22 07:30 Received: 10/06/22 10:10 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	0.30	1		10/11/22 15:20	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 15:20	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/11/22 15:20	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 15:20	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/11/22 15:20	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/11/22 15:20	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 15:20	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/11/22 15:20	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/11/22 15:20	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/11/22 15:20	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 15:20	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/11/22 15:20	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/11/22 15:20	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/11/22 15:20	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 15:20	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 15:20	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/11/22 15:20	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/11/22 15:20	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/11/22 15:20	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/11/22 15:20	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 15:20	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 15:20	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/11/22 15:20	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/11/22 15:20	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 15:20	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/11/22 15:20	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/11/22 15:20	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/11/22 15:20	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/11/22 15:20	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/11/22 15:20	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/11/22 15:20	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		10/11/22 15:20	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/11/22 15:20	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/11/22 15:20	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/11/22 15:20	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 15:20	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 15:20	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/11/22 15:20	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/11/22 15:20	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/11/22 15:20	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/11/22 15:20	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 15:20	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		10/11/22 15:20	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 15:20	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/11/22 15:20	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Sample: MW-2B **Lab ID: 40252622016** Collected: 10/05/22 07:30 Received: 10/06/22 10:10 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		10/11/22 15:20	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/11/22 15:20	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/11/22 15:20	127-18-4	
Tetrahydrofuran	10.1J	ug/L	25.0	2.4	1		10/11/22 15:20	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		10/11/22 15:20	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/11/22 15:20	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/11/22 15:20	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 15:20	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/11/22 15:20	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/11/22 15:20	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 15:20	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		10/11/22 15:20	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/11/22 15:20	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 15:20	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/11/22 15:20	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/11/22 15:20	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/11/22 15:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/11/22 15:20	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/11/22 15:20	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		10/11/22 15:20	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Sample: MW-2A **Lab ID: 40252622017** Collected: 10/05/22 07:45 Received: 10/06/22 10:10 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	17.5	ug/L	1.0	0.30	1		10/11/22 21:20	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 21:20	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/11/22 21:20	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 21:20	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/11/22 21:20	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/11/22 21:20	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 21:20	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/11/22 21:20	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/11/22 21:20	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/11/22 21:20	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 21:20	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/11/22 21:20	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/11/22 21:20	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/11/22 21:20	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 21:20	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 21:20	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/11/22 21:20	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/11/22 21:20	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/11/22 21:20	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/11/22 21:20	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 21:20	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 21:20	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/11/22 21:20	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/11/22 21:20	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 21:20	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/11/22 21:20	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/11/22 21:20	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/11/22 21:20	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/11/22 21:20	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/11/22 21:20	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/11/22 21:20	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		10/11/22 21:20	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/11/22 21:20	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/11/22 21:20	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/11/22 21:20	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 21:20	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 21:20	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/11/22 21:20	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/11/22 21:20	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/11/22 21:20	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/11/22 21:20	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 21:20	1634-04-4	
Naphthalene	4.3J	ug/L	5.0	1.1	1		10/11/22 21:20	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 21:20	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/11/22 21:20	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: MW-2A **Lab ID: 40252622017** Collected: 10/05/22 07:45 Received: 10/06/22 10:10 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		10/11/22 21:20	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/11/22 21:20	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/11/22 21:20	127-18-4	
Tetrahydrofuran	121	ug/L	25.0	2.4	1		10/11/22 21:20	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		10/11/22 21:20	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/11/22 21:20	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/11/22 21:20	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 21:20	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/11/22 21:20	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/11/22 21:20	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 21:20	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		10/11/22 21:20	96-18-4	
1,2,4-Trimethylbenzene	1.4	ug/L	1.0	0.45	1		10/11/22 21:20	95-63-6	
1,3,5-Trimethylbenzene	1.2	ug/L	1.0	0.36	1		10/11/22 21:20	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/11/22 21:20	75-01-4	
m&p-Xylene	1.3J	ug/L	2.0	0.70	1		10/11/22 21:20	179601-23-1	
o-Xylene	0.42J	ug/L	1.0	0.35	1		10/11/22 21:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		10/11/22 21:20	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/11/22 21:20	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		10/11/22 21:20	2037-26-5	
350.1 Ammonia, Distilled									
Analytical Method: EPA 350.1 Preparation Method: EPA 350.1									
Pace Analytical Services - Green Bay									
Nitrogen, Ammonia	199	mg/L	25.0	7.2	50	10/11/22 21:42	10/12/22 01:25	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	176	mg/L	20.0	4.2	1	10/12/22 19:18	10/13/22 01:30	7727-37-9	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Sample: MW-21A **Lab ID: 40252622018** Collected: 10/05/22 08:15 Received: 10/06/22 10:10 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	5.0	ug/L	1.0	0.30	1		10/11/22 17:53	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 17:53	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/11/22 17:53	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 17:53	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/11/22 17:53	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/11/22 17:53	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 17:53	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/11/22 17:53	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/11/22 17:53	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/11/22 17:53	56-23-5	
Chlorobenzene	6.0	ug/L	1.0	0.86	1		10/11/22 17:53	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/11/22 17:53	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/11/22 17:53	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/11/22 17:53	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 17:53	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 17:53	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/11/22 17:53	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/11/22 17:53	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/11/22 17:53	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/11/22 17:53	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 17:53	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 17:53	541-73-1	
1,4-Dichlorobenzene	2.2	ug/L	1.0	0.89	1		10/11/22 17:53	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/11/22 17:53	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 17:53	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/11/22 17:53	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/11/22 17:53	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/11/22 17:53	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/11/22 17:53	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/11/22 17:53	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/11/22 17:53	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		10/11/22 17:53	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/11/22 17:53	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/11/22 17:53	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/11/22 17:53	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 17:53	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 17:53	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/11/22 17:53	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/11/22 17:53	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/11/22 17:53	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/11/22 17:53	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 17:53	1634-04-4	
Naphthalene	5.4	ug/L	5.0	1.1	1		10/11/22 17:53	91-20-3	
n-Propylbenzene	0.84J	ug/L	1.0	0.35	1		10/11/22 17:53	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/11/22 17:53	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: MW-21A **Lab ID: 40252622018** Collected: 10/05/22 08:15 Received: 10/06/22 10:10 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		10/11/22 17:53	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/11/22 17:53	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/11/22 17:53	127-18-4	
Tetrahydrofuran	116	ug/L	25.0	2.4	1		10/11/22 17:53	109-99-9	
Toluene	0.81J	ug/L	1.0	0.29	1		10/11/22 17:53	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/11/22 17:53	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/11/22 17:53	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 17:53	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/11/22 17:53	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/11/22 17:53	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 17:53	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		10/11/22 17:53	96-18-4	
1,2,4-Trimethylbenzene	3.1	ug/L	1.0	0.45	1		10/11/22 17:53	95-63-6	
1,3,5-Trimethylbenzene	1.7	ug/L	1.0	0.36	1		10/11/22 17:53	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/11/22 17:53	75-01-4	
m&p-Xylene	9.4	ug/L	2.0	0.70	1		10/11/22 17:53	179601-23-1	
o-Xylene	2.0	ug/L	1.0	0.35	1		10/11/22 17:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		10/11/22 17:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/11/22 17:53	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		10/11/22 17:53	2037-26-5	
350.1 Ammonia, Distilled									
Analytical Method: EPA 350.1 Preparation Method: EPA 350.1									
Pace Analytical Services - Green Bay									
Nitrogen, Ammonia	238	mg/L	10.0	2.9	20	10/11/22 21:42	10/12/22 01:09	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	205	mg/L	20.0	4.2	1	10/12/22 19:18	10/13/22 00:41	7727-37-9	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Sample: MW-3A **Lab ID: 40252622019** Collected: 10/05/22 08:45 Received: 10/06/22 10:10 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	1.1	ug/L	1.0	0.30	1		10/11/22 18:13	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 18:13	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/11/22 18:13	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 18:13	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/11/22 18:13	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/11/22 18:13	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 18:13	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/11/22 18:13	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/11/22 18:13	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/11/22 18:13	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 18:13	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/11/22 18:13	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/11/22 18:13	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/11/22 18:13	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 18:13	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 18:13	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/11/22 18:13	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/11/22 18:13	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/11/22 18:13	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/11/22 18:13	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 18:13	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 18:13	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/11/22 18:13	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/11/22 18:13	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 18:13	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/11/22 18:13	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/11/22 18:13	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/11/22 18:13	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/11/22 18:13	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/11/22 18:13	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/11/22 18:13	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		10/11/22 18:13	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/11/22 18:13	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/11/22 18:13	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/11/22 18:13	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 18:13	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 18:13	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/11/22 18:13	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/11/22 18:13	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/11/22 18:13	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/11/22 18:13	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 18:13	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		10/11/22 18:13	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 18:13	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/11/22 18:13	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: MW-3A **Lab ID: 40252622019** Collected: 10/05/22 08:45 Received: 10/06/22 10:10 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		10/11/22 18:13	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/11/22 18:13	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/11/22 18:13	127-18-4	
Tetrahydrofuran	53.7	ug/L	25.0	2.4	1		10/11/22 18:13	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		10/11/22 18:13	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/11/22 18:13	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/11/22 18:13	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 18:13	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/11/22 18:13	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/11/22 18:13	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 18:13	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		10/11/22 18:13	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/11/22 18:13	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 18:13	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/11/22 18:13	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/11/22 18:13	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/11/22 18:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		10/11/22 18:13	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/11/22 18:13	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		10/11/22 18:13	2037-26-5	
350.1 Ammonia, Distilled									
Analytical Method: EPA 350.1 Preparation Method: EPA 350.1									
Pace Analytical Services - Green Bay									
Nitrogen, Ammonia	62.9	mg/L	10.0	2.9	20	10/11/22 21:42	10/12/22 01:10	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	57.9	mg/L	20.0	4.2	1	10/12/22 19:18	10/13/22 00:41	7727-37-9	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Sample: MW-27B **Lab ID: 40252622020** Collected: 10/05/22 10:15 Received: 10/06/22 10:10 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		10/11/22 13:37	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 13:37	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/11/22 13:37	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 13:37	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/11/22 13:37	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/11/22 13:37	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 13:37	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/11/22 13:37	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/11/22 13:37	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/11/22 13:37	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/11/22 13:37	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/11/22 13:37	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/11/22 13:37	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/11/22 13:37	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 13:37	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/11/22 13:37	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/11/22 13:37	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/11/22 13:37	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/11/22 13:37	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/11/22 13:37	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 13:37	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 13:37	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/11/22 13:37	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/11/22 13:37	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 13:37	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/11/22 13:37	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/11/22 13:37	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/11/22 13:37	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/11/22 13:37	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/11/22 13:37	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/11/22 13:37	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		10/11/22 13:37	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/11/22 13:37	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/11/22 13:37	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/11/22 13:37	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 13:37	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/11/22 13:37	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/11/22 13:37	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/11/22 13:37	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/11/22 13:37	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/11/22 13:37	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/11/22 13:37	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		10/11/22 13:37	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/11/22 13:37	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/11/22 13:37	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: MW-27B **Lab ID: 40252622020** Collected: 10/05/22 10:15 Received: 10/06/22 10:10 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		10/11/22 13:37	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/11/22 13:37	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/11/22 13:37	127-18-4	
Tetrahydrofuran	4.9J	ug/L	25.0	2.4	1		10/11/22 13:37	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		10/11/22 13:37	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/11/22 13:37	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/11/22 13:37	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/11/22 13:37	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/11/22 13:37	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/11/22 13:37	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/11/22 13:37	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		10/11/22 13:37	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/11/22 13:37	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/11/22 13:37	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/11/22 13:37	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/11/22 13:37	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/11/22 13:37	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/11/22 13:37	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/11/22 13:37	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		10/11/22 13:37	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Sample: MW-28A **Lab ID: 40252622021** Collected: 10/05/22 10:10 Received: 10/06/22 10:10 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	1.0	ug/L	1.0	0.30	1		10/10/22 13:20	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/10/22 13:20	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/10/22 13:20	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/10/22 13:20	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/10/22 13:20	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/10/22 13:20	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/10/22 13:20	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/10/22 13:20	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/10/22 13:20	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/10/22 13:20	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/10/22 13:20	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/10/22 13:20	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/10/22 13:20	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/10/22 13:20	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/10/22 13:20	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/10/22 13:20	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/10/22 13:20	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/10/22 13:20	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/10/22 13:20	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/10/22 13:20	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/10/22 13:20	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/10/22 13:20	541-73-1	
1,4-Dichlorobenzene	1.1	ug/L	1.0	0.89	1		10/10/22 13:20	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/10/22 13:20	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/10/22 13:20	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/10/22 13:20	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/10/22 13:20	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/10/22 13:20	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/10/22 13:20	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/10/22 13:20	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/10/22 13:20	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		10/10/22 13:20	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/10/22 13:20	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/10/22 13:20	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/10/22 13:20	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/10/22 13:20	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/10/22 13:20	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/10/22 13:20	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/10/22 13:20	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/10/22 13:20	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/10/22 13:20	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/10/22 13:20	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		10/10/22 13:20	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/10/22 13:20	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/10/22 13:20	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: MW-28A **Lab ID: 40252622021** Collected: 10/05/22 10:10 Received: 10/06/22 10:10 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		10/10/22 13:20	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/10/22 13:20	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/10/22 13:20	127-18-4	
Tetrahydrofuran	12.2J	ug/L	25.0	2.4	1		10/10/22 13:20	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		10/10/22 13:20	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/10/22 13:20	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/10/22 13:20	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/10/22 13:20	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/10/22 13:20	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/10/22 13:20	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/10/22 13:20	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		10/10/22 13:20	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/10/22 13:20	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/10/22 13:20	108-67-8	
Vinyl chloride	1.2	ug/L	1.0	0.17	1		10/10/22 13:20	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/10/22 13:20	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/10/22 13:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/10/22 13:20	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/10/22 13:20	2199-69-1	
Toluene-d8 (S)	95	%	70-130		1		10/10/22 13:20	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: MW-18A **Lab ID: 40252622022** Collected: 10/05/22 11:05 Received: 10/06/22 10:10 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		10/10/22 13:41	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/10/22 13:41	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/10/22 13:41	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/10/22 13:41	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/10/22 13:41	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/10/22 13:41	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/10/22 13:41	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/10/22 13:41	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/10/22 13:41	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/10/22 13:41	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/10/22 13:41	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/10/22 13:41	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/10/22 13:41	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/10/22 13:41	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/10/22 13:41	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/10/22 13:41	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/10/22 13:41	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/10/22 13:41	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/10/22 13:41	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/10/22 13:41	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/10/22 13:41	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/10/22 13:41	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/10/22 13:41	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/10/22 13:41	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/10/22 13:41	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/10/22 13:41	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/10/22 13:41	75-35-4	
cis-1,2-Dichloroethene	5.2	ug/L	1.0	0.47	1		10/10/22 13:41	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/10/22 13:41	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/10/22 13:41	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/10/22 13:41	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		10/10/22 13:41	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/10/22 13:41	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/10/22 13:41	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/10/22 13:41	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/10/22 13:41	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/10/22 13:41	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/10/22 13:41	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/10/22 13:41	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/10/22 13:41	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/10/22 13:41	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/10/22 13:41	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		10/10/22 13:41	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/10/22 13:41	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/10/22 13:41	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: MW-18A **Lab ID: 40252622022** Collected: 10/05/22 11:05 Received: 10/06/22 10:10 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		10/10/22 13:41	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/10/22 13:41	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/10/22 13:41	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		10/10/22 13:41	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		10/10/22 13:41	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/10/22 13:41	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/10/22 13:41	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/10/22 13:41	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/10/22 13:41	79-00-5	
Trichloroethene	4.5	ug/L	1.0	0.32	1		10/10/22 13:41	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/10/22 13:41	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		10/10/22 13:41	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/10/22 13:41	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/10/22 13:41	108-67-8	
Vinyl chloride	0.40J	ug/L	1.0	0.17	1		10/10/22 13:41	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/10/22 13:41	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/10/22 13:41	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		10/10/22 13:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		10/10/22 13:41	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		10/10/22 13:41	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Sample: MW-18C **Lab ID: 40252622023** Collected: 10/05/22 11:35 Received: 10/06/22 10:10 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		10/10/22 14:01	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/10/22 14:01	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/10/22 14:01	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/10/22 14:01	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/10/22 14:01	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/10/22 14:01	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/10/22 14:01	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/10/22 14:01	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/10/22 14:01	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/10/22 14:01	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/10/22 14:01	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/10/22 14:01	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/10/22 14:01	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/10/22 14:01	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/10/22 14:01	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/10/22 14:01	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/10/22 14:01	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/10/22 14:01	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/10/22 14:01	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/10/22 14:01	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/10/22 14:01	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/10/22 14:01	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/10/22 14:01	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/10/22 14:01	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/10/22 14:01	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/10/22 14:01	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/10/22 14:01	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/10/22 14:01	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/10/22 14:01	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/10/22 14:01	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/10/22 14:01	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		10/10/22 14:01	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/10/22 14:01	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/10/22 14:01	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/10/22 14:01	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/10/22 14:01	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/10/22 14:01	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/10/22 14:01	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/10/22 14:01	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/10/22 14:01	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/10/22 14:01	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/10/22 14:01	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		10/10/22 14:01	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/10/22 14:01	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/10/22 14:01	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: MW-18C **Lab ID: 40252622023** Collected: 10/05/22 11:35 Received: 10/06/22 10:10 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		10/10/22 14:01	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/10/22 14:01	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/10/22 14:01	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		10/10/22 14:01	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		10/10/22 14:01	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/10/22 14:01	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/10/22 14:01	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/10/22 14:01	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/10/22 14:01	79-00-5	
Trichloroethene	2.3	ug/L	1.0	0.32	1		10/10/22 14:01	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/10/22 14:01	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		10/10/22 14:01	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/10/22 14:01	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/10/22 14:01	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/10/22 14:01	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/10/22 14:01	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/10/22 14:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/10/22 14:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/10/22 14:01	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		10/10/22 14:01	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Sample: MW-18B **Lab ID: 40252622024** Collected: 10/05/22 11:50 Received: 10/06/22 10:10 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	0.36J	ug/L	1.0	0.30	1		10/10/22 14:22	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/10/22 14:22	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/10/22 14:22	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/10/22 14:22	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/10/22 14:22	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/10/22 14:22	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/10/22 14:22	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/10/22 14:22	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/10/22 14:22	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/10/22 14:22	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/10/22 14:22	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/10/22 14:22	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/10/22 14:22	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/10/22 14:22	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/10/22 14:22	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/10/22 14:22	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/10/22 14:22	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/10/22 14:22	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/10/22 14:22	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/10/22 14:22	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/10/22 14:22	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/10/22 14:22	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/10/22 14:22	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/10/22 14:22	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/10/22 14:22	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/10/22 14:22	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/10/22 14:22	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/10/22 14:22	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/10/22 14:22	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/10/22 14:22	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/10/22 14:22	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		10/10/22 14:22	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/10/22 14:22	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/10/22 14:22	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/10/22 14:22	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/10/22 14:22	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/10/22 14:22	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/10/22 14:22	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/10/22 14:22	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/10/22 14:22	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/10/22 14:22	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/10/22 14:22	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		10/10/22 14:22	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/10/22 14:22	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/10/22 14:22	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: MW-18B **Lab ID: 40252622024** Collected: 10/05/22 11:50 Received: 10/06/22 10:10 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		10/10/22 14:22	630-20-6	
1,1,1,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/10/22 14:22	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/10/22 14:22	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		10/10/22 14:22	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		10/10/22 14:22	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/10/22 14:22	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/10/22 14:22	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/10/22 14:22	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/10/22 14:22	79-00-5	
Trichloroethene	0.88J	ug/L	1.0	0.32	1		10/10/22 14:22	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/10/22 14:22	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		10/10/22 14:22	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/10/22 14:22	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/10/22 14:22	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/10/22 14:22	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/10/22 14:22	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/10/22 14:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		10/10/22 14:22	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/10/22 14:22	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		10/10/22 14:22	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Sample: TRIP BLANK **Lab ID: 40252622025** Collected: 10/05/22 00:00 Received: 10/06/22 10:10 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		10/10/22 11:58	71-43-2	
Bromobenzene	<0.36	ug/L	1.0	0.36	1		10/10/22 11:58	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/10/22 11:58	74-97-5	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/10/22 11:58	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/10/22 11:58	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/10/22 11:58	74-83-9	
n-Butylbenzene	<0.86	ug/L	1.0	0.86	1		10/10/22 11:58	104-51-8	
sec-Butylbenzene	<0.42	ug/L	1.0	0.42	1		10/10/22 11:58	135-98-8	
tert-Butylbenzene	<0.59	ug/L	1.0	0.59	1		10/10/22 11:58	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/10/22 11:58	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/10/22 11:58	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/10/22 11:58	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/10/22 11:58	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/10/22 11:58	74-87-3	
2-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/10/22 11:58	95-49-8	
4-Chlorotoluene	<0.89	ug/L	5.0	0.89	1		10/10/22 11:58	106-43-4	
1,2-Dibromo-3-chloropropane	<2.4	ug/L	5.0	2.4	1		10/10/22 11:58	96-12-8	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/10/22 11:58	124-48-1	
1,2-Dibromoethane (EDB)	<0.31	ug/L	1.0	0.31	1		10/10/22 11:58	106-93-4	
Dibromomethane	<0.99	ug/L	5.0	0.99	1		10/10/22 11:58	74-95-3	
1,2-Dichlorobenzene	<0.33	ug/L	1.0	0.33	1		10/10/22 11:58	95-50-1	
1,3-Dichlorobenzene	<0.35	ug/L	1.0	0.35	1		10/10/22 11:58	541-73-1	
1,4-Dichlorobenzene	<0.89	ug/L	1.0	0.89	1		10/10/22 11:58	106-46-7	
Dichlorodifluoromethane	<0.46	ug/L	5.0	0.46	1		10/10/22 11:58	75-71-8	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/10/22 11:58	75-34-3	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/10/22 11:58	107-06-2	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/10/22 11:58	75-35-4	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/10/22 11:58	156-59-2	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/10/22 11:58	156-60-5	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/10/22 11:58	78-87-5	
1,3-Dichloropropane	<0.30	ug/L	1.0	0.30	1		10/10/22 11:58	142-28-9	
2,2-Dichloropropane	<4.2	ug/L	5.0	4.2	1		10/10/22 11:58	594-20-7	
1,1-Dichloropropene	<0.41	ug/L	1.0	0.41	1		10/10/22 11:58	563-58-6	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/10/22 11:58	10061-01-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/10/22 11:58	10061-02-6	
Diisopropyl ether	<1.1	ug/L	5.0	1.1	1		10/10/22 11:58	108-20-3	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/10/22 11:58	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	5.0	2.7	1		10/10/22 11:58	87-68-3	
Isopropylbenzene (Cumene)	<1.0	ug/L	5.0	1.0	1		10/10/22 11:58	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	5.0	1.0	1		10/10/22 11:58	99-87-6	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/10/22 11:58	75-09-2	
Methyl-tert-butyl ether	<1.1	ug/L	5.0	1.1	1		10/10/22 11:58	1634-04-4	
Naphthalene	<1.1	ug/L	5.0	1.1	1		10/10/22 11:58	91-20-3	
n-Propylbenzene	<0.35	ug/L	1.0	0.35	1		10/10/22 11:58	103-65-1	
Styrene	<0.36	ug/L	1.0	0.36	1		10/10/22 11:58	100-42-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Sample: TRIP BLANK **Lab ID: 40252622025** Collected: 10/05/22 00:00 Received: 10/06/22 10:10 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		10/10/22 11:58	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/10/22 11:58	79-34-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/10/22 11:58	127-18-4	
Tetrahydrofuran	<2.4	ug/L	25.0	2.4	1		10/10/22 11:58	109-99-9	
Toluene	<0.29	ug/L	1.0	0.29	1		10/10/22 11:58	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	5.0	1.0	1		10/10/22 11:58	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/10/22 11:58	120-82-1	
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/10/22 11:58	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/10/22 11:58	79-00-5	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/10/22 11:58	79-01-6	
Trichlorofluoromethane	<0.42	ug/L	1.0	0.42	1		10/10/22 11:58	75-69-4	
1,2,3-Trichloropropane	<0.56	ug/L	5.0	0.56	1		10/10/22 11:58	96-18-4	
1,2,4-Trimethylbenzene	<0.45	ug/L	1.0	0.45	1		10/10/22 11:58	95-63-6	
1,3,5-Trimethylbenzene	<0.36	ug/L	1.0	0.36	1		10/10/22 11:58	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/10/22 11:58	75-01-4	
m&p-Xylene	<0.70	ug/L	2.0	0.70	1		10/10/22 11:58	179601-23-1	
o-Xylene	<0.35	ug/L	1.0	0.35	1		10/10/22 11:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		10/10/22 11:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		10/10/22 11:58	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		10/10/22 11:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

QC Batch:	428080	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40252622001, 40252622002, 40252622003, 40252622004, 40252622005, 40252622006, 40252622007, 40252622008, 40252622009, 40252622010, 40252622011, 40252622012, 40252622013, 40252622014, 40252622015, 40252622016, 40252622017, 40252622018, 40252622019, 40252622020

METHOD BLANK: 2465231 Matrix: Water
Associated Lab Samples: 40252622001, 40252622002, 40252622003, 40252622004, 40252622005, 40252622006, 40252622007, 40252622008, 40252622009, 40252622010, 40252622011, 40252622012, 40252622013, 40252622014, 40252622015, 40252622016, 40252622017, 40252622018, 40252622019, 40252622020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	10/11/22 08:09	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	10/11/22 08:09	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	10/11/22 08:09	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	10/11/22 08:09	
1,1-Dichloroethane	ug/L	<0.30	1.0	10/11/22 08:09	
1,1-Dichloroethene	ug/L	<0.58	1.0	10/11/22 08:09	
1,1-Dichloropropene	ug/L	<0.41	1.0	10/11/22 08:09	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	10/11/22 08:09	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	10/11/22 08:09	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	10/11/22 08:09	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	10/11/22 08:09	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	10/11/22 08:09	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	10/11/22 08:09	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	10/11/22 08:09	
1,2-Dichloroethane	ug/L	<0.29	1.0	10/11/22 08:09	
1,2-Dichloropropane	ug/L	<0.45	1.0	10/11/22 08:09	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	10/11/22 08:09	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	10/11/22 08:09	
1,3-Dichloropropane	ug/L	<0.30	1.0	10/11/22 08:09	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	10/11/22 08:09	
2,2-Dichloropropane	ug/L	<4.2	5.0	10/11/22 08:09	
2-Chlorotoluene	ug/L	<0.89	5.0	10/11/22 08:09	
4-Chlorotoluene	ug/L	<0.89	5.0	10/11/22 08:09	
Benzene	ug/L	<0.30	1.0	10/11/22 08:09	
Bromobenzene	ug/L	<0.36	1.0	10/11/22 08:09	
Bromochloromethane	ug/L	<0.36	5.0	10/11/22 08:09	
Bromodichloromethane	ug/L	<0.42	1.0	10/11/22 08:09	
Bromoform	ug/L	<3.8	5.0	10/11/22 08:09	
Bromomethane	ug/L	<1.2	5.0	10/11/22 08:09	
Carbon tetrachloride	ug/L	<0.37	1.0	10/11/22 08:09	
Chlorobenzene	ug/L	<0.86	1.0	10/11/22 08:09	
Chloroethane	ug/L	<1.4	5.0	10/11/22 08:09	
Chloroform	ug/L	<1.2	5.0	10/11/22 08:09	
Chloromethane	ug/L	<1.6	5.0	10/11/22 08:09	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	10/11/22 08:09	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	10/11/22 08:09	
Dibromochloromethane	ug/L	<2.6	5.0	10/11/22 08:09	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

METHOD BLANK: 2465231

Matrix: Water

Associated Lab Samples: 40252622001, 40252622002, 40252622003, 40252622004, 40252622005, 40252622006, 40252622007, 40252622008, 40252622009, 40252622010, 40252622011, 40252622012, 40252622013, 40252622014, 40252622015, 40252622016, 40252622017, 40252622018, 40252622019, 40252622020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<0.99	5.0	10/11/22 08:09	
Dichlorodifluoromethane	ug/L	<0.46	5.0	10/11/22 08:09	
Diisopropyl ether	ug/L	<1.1	5.0	10/11/22 08:09	
Ethylbenzene	ug/L	<0.33	1.0	10/11/22 08:09	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	10/11/22 08:09	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	10/11/22 08:09	
m&p-Xylene	ug/L	<0.70	2.0	10/11/22 08:09	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	10/11/22 08:09	
Methylene Chloride	ug/L	<0.32	5.0	10/11/22 08:09	
n-Butylbenzene	ug/L	<0.86	1.0	10/11/22 08:09	
n-Propylbenzene	ug/L	<0.35	1.0	10/11/22 08:09	
Naphthalene	ug/L	<1.1	5.0	10/11/22 08:09	
o-Xylene	ug/L	<0.35	1.0	10/11/22 08:09	
p-Isopropyltoluene	ug/L	<1.0	5.0	10/11/22 08:09	
sec-Butylbenzene	ug/L	<0.42	1.0	10/11/22 08:09	
Styrene	ug/L	<0.36	1.0	10/11/22 08:09	
tert-Butylbenzene	ug/L	<0.59	1.0	10/11/22 08:09	
Tetrachloroethene	ug/L	<0.41	1.0	10/11/22 08:09	
Tetrahydrofuran	ug/L	<2.4	25.0	10/11/22 08:09	
Toluene	ug/L	<0.29	1.0	10/11/22 08:09	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	10/11/22 08:09	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	10/11/22 08:09	
Trichloroethene	ug/L	<0.32	1.0	10/11/22 08:09	
Trichlorofluoromethane	ug/L	<0.42	1.0	10/11/22 08:09	
Vinyl chloride	ug/L	<0.17	1.0	10/11/22 08:09	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130	10/11/22 08:09	
4-Bromofluorobenzene (S)	%	101	70-130	10/11/22 08:09	
Toluene-d8 (S)	%	99	70-130	10/11/22 08:09	

LABORATORY CONTROL SAMPLE: 2465232

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.2	108	70-134	
1,1,2,2-Tetrachloroethane	ug/L	50	47.2	94	69-130	
1,1,2-Trichloroethane	ug/L	50	47.2	94	70-130	
1,1-Dichloroethane	ug/L	50	48.8	98	70-130	
1,1-Dichloroethene	ug/L	50	48.7	97	74-131	
1,2,4-Trichlorobenzene	ug/L	50	49.2	98	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	41.0	82	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	47.7	95	70-130	
1,2-Dichlorobenzene	ug/L	50	50.2	100	70-130	
1,2-Dichloroethane	ug/L	50	49.1	98	70-137	

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

LABORATORY CONTROL SAMPLE: 2465232

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/L	50	49.4	99	80-121	
1,3-Dichlorobenzene	ug/L	50	52.3	105	70-130	
1,4-Dichlorobenzene	ug/L	50	51.1	102	70-130	
Benzene	ug/L	50	49.3	99	70-130	
Bromodichloromethane	ug/L	50	50.9	102	70-130	
Bromoform	ug/L	50	47.4	95	70-130	
Bromomethane	ug/L	50	42.3	85	21-147	
Carbon tetrachloride	ug/L	50	54.9	110	80-146	
Chlorobenzene	ug/L	50	50.5	101	70-130	
Chloroethane	ug/L	50	49.0	98	52-165	
Chloroform	ug/L	50	51.0	102	80-123	
Chloromethane	ug/L	50	37.5	75	51-122	
cis-1,2-Dichloroethene	ug/L	50	49.0	98	70-130	
cis-1,3-Dichloropropene	ug/L	50	48.5	97	70-130	
Dibromochloromethane	ug/L	50	48.2	96	70-130	
Dichlorodifluoromethane	ug/L	50	26.7	53	25-121	
Ethylbenzene	ug/L	50	54.7	109	80-120	
Isopropylbenzene (Cumene)	ug/L	50	56.7	113	70-130	
m&p-Xylene	ug/L	100	110	110	70-130	
Methyl-tert-butyl ether	ug/L	50	44.4	89	70-130	
Methylene Chloride	ug/L	50	51.1	102	70-130	
o-Xylene	ug/L	50	53.8	108	70-130	
Styrene	ug/L	50	55.0	110	70-130	
Tetrachloroethene	ug/L	50	51.7	103	70-130	
Toluene	ug/L	50	50.6	101	80-120	
trans-1,2-Dichloroethene	ug/L	50	49.5	99	70-130	
trans-1,3-Dichloropropene	ug/L	50	41.2	82	70-130	
Trichloroethene	ug/L	50	52.4	105	70-130	
Trichlorofluoromethane	ug/L	50	45.1	90	65-160	
Vinyl chloride	ug/L	50	42.8	86	63-134	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2465233 2465234

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40252622020	Result	Spike Conc.	Spike Conc.								
1,1,1-Trichloroethane	ug/L	<0.30	50	50	55.2	56.5	110	113	70-134	2	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	46.7	50.6	93	101	61-135	8	20		
1,1,2-Trichloroethane	ug/L	<0.34	50	50	45.2	49.5	90	99	70-130	9	20		
1,1-Dichloroethane	ug/L	<0.30	50	50	50.3	50.7	101	101	70-130	1	20		
1,1-Dichloroethene	ug/L	<0.58	50	50	48.8	50.8	98	102	71-130	4	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	50.0	52.2	100	104	68-131	4	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2465233		2465234		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40252622020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	45.0	47.0	90	94	51-141	4	20		
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	47.8	51.8	96	104	70-130	8	20		
1,2-Dichlorobenzene	ug/L	<0.33	50	50	51.4	51.1	103	102	70-130	1	20		
1,2-Dichloroethane	ug/L	<0.29	50	50	50.5	52.5	101	105	70-137	4	20		
1,2-Dichloropropane	ug/L	<0.45	50	50	50.7	51.7	101	103	80-121	2	20		
1,3-Dichlorobenzene	ug/L	<0.35	50	50	53.8	53.1	108	106	70-130	1	20		
1,4-Dichlorobenzene	ug/L	<0.89	50	50	51.6	51.9	103	104	70-130	1	20		
Benzene	ug/L	<0.30	50	50	50.5	50.2	101	100	70-130	1	20		
Bromodichloromethane	ug/L	<0.42	50	50	52.2	53.3	104	107	70-130	2	20		
Bromoform	ug/L	<3.8	50	50	49.7	53.8	99	108	70-133	8	20		
Bromomethane	ug/L	<1.2	50	50	45.2	46.3	90	93	21-149	2	22		
Carbon tetrachloride	ug/L	<0.37	50	50	56.4	56.3	113	113	80-146	0	20		
Chlorobenzene	ug/L	<0.86	50	50	51.1	51.3	102	103	70-130	0	20		
Chloroethane	ug/L	<1.4	50	50	48.9	48.2	98	96	52-165	1	20		
Chloroform	ug/L	<1.2	50	50	51.4	52.8	103	106	80-123	3	20		
Chloromethane	ug/L	<1.6	50	50	37.0	38.3	74	77	42-125	3	20		
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	49.5	50.6	99	101	70-130	2	20		
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	50.5	51.4	101	103	70-130	2	20		
Dibromochloromethane	ug/L	<2.6	50	50	49.0	51.2	98	102	70-130	4	20		
Dichlorodifluoromethane	ug/L	<0.46	50	50	27.0	26.9	54	54	25-121	0	20		
Ethylbenzene	ug/L	<0.33	50	50	54.8	54.3	110	109	80-121	1	20		
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	56.8	56.8	114	114	70-130	0	20		
m&p-Xylene	ug/L	<0.70	100	100	110	110	110	110	70-130	0	20		
Methyl-tert-butyl ether	ug/L	<1.1	50	50	45.9	50.5	92	101	70-130	9	20		
Methylene Chloride	ug/L	<0.32	50	50	53.0	52.8	106	106	70-130	0	20		
o-Xylene	ug/L	<0.35	50	50	53.2	53.6	106	107	70-130	1	20		
Styrene	ug/L	<0.36	50	50	54.6	55.3	109	111	70-132	1	20		
Tetrachloroethene	ug/L	<0.41	50	50	49.7	51.2	99	102	70-130	3	20		
Toluene	ug/L	<0.29	50	50	51.2	50.8	102	102	80-120	1	20		
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	51.6	51.4	103	103	70-130	0	20		
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	41.4	44.5	83	89	70-130	7	20		
Trichloroethene	ug/L	<0.32	50	50	53.2	52.6	106	105	70-130	1	20		
Trichlorofluoromethane	ug/L	<0.42	50	50	50.9	51.4	102	103	65-160	1	20		
Vinyl chloride	ug/L	<0.17	50	50	44.9	46.0	90	92	60-137	2	20		
1,2-Dichlorobenzene-d4 (S)	%						103	98	70-130				
4-Bromofluorobenzene (S)	%						105	99	70-130				
Toluene-d8 (S)	%						99	100	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

QC Batch: 428082

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40252622021, 40252622022, 40252622023, 40252622024, 40252622025

METHOD BLANK: 2465239

Matrix: Water

Associated Lab Samples: 40252622021, 40252622022, 40252622023, 40252622024, 40252622025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	10/10/22 08:31	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	10/10/22 08:31	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	10/10/22 08:31	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	10/10/22 08:31	
1,1-Dichloroethane	ug/L	<0.30	1.0	10/10/22 08:31	
1,1-Dichloroethene	ug/L	<0.58	1.0	10/10/22 08:31	
1,1-Dichloropropene	ug/L	<0.41	1.0	10/10/22 08:31	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	10/10/22 08:31	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	10/10/22 08:31	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	10/10/22 08:31	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	10/10/22 08:31	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	10/10/22 08:31	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	10/10/22 08:31	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	10/10/22 08:31	
1,2-Dichloroethane	ug/L	<0.29	1.0	10/10/22 08:31	
1,2-Dichloropropane	ug/L	<0.45	1.0	10/10/22 08:31	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	10/10/22 08:31	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	10/10/22 08:31	
1,3-Dichloropropane	ug/L	<0.30	1.0	10/10/22 08:31	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	10/10/22 08:31	
2,2-Dichloropropane	ug/L	<4.2	5.0	10/10/22 08:31	
2-Chlorotoluene	ug/L	<0.89	5.0	10/10/22 08:31	
4-Chlorotoluene	ug/L	<0.89	5.0	10/10/22 08:31	
Benzene	ug/L	<0.30	1.0	10/10/22 08:31	
Bromobenzene	ug/L	<0.36	1.0	10/10/22 08:31	
Bromochloromethane	ug/L	<0.36	5.0	10/10/22 08:31	
Bromodichloromethane	ug/L	<0.42	1.0	10/10/22 08:31	
Bromoform	ug/L	<3.8	5.0	10/10/22 08:31	
Bromomethane	ug/L	<1.2	5.0	10/10/22 08:31	
Carbon tetrachloride	ug/L	<0.37	1.0	10/10/22 08:31	
Chlorobenzene	ug/L	<0.86	1.0	10/10/22 08:31	
Chloroethane	ug/L	<1.4	5.0	10/10/22 08:31	
Chloroform	ug/L	<1.2	5.0	10/10/22 08:31	
Chloromethane	ug/L	<1.6	5.0	10/10/22 08:31	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	10/10/22 08:31	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	10/10/22 08:31	
Dibromochloromethane	ug/L	<2.6	5.0	10/10/22 08:31	
Dibromomethane	ug/L	<0.99	5.0	10/10/22 08:31	
Dichlorodifluoromethane	ug/L	<0.46	5.0	10/10/22 08:31	
Diisopropyl ether	ug/L	<1.1	5.0	10/10/22 08:31	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

METHOD BLANK: 2465239 Matrix: Water
Associated Lab Samples: 40252622021, 40252622022, 40252622023, 40252622024, 40252622025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.33	1.0	10/10/22 08:31	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	10/10/22 08:31	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	10/10/22 08:31	
m&p-Xylene	ug/L	<0.70	2.0	10/10/22 08:31	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	10/10/22 08:31	
Methylene Chloride	ug/L	<0.32	5.0	10/10/22 08:31	
n-Butylbenzene	ug/L	<0.86	1.0	10/10/22 08:31	
n-Propylbenzene	ug/L	<0.35	1.0	10/10/22 08:31	
Naphthalene	ug/L	<1.1	5.0	10/10/22 08:31	
o-Xylene	ug/L	<0.35	1.0	10/10/22 08:31	
p-Isopropyltoluene	ug/L	<1.0	5.0	10/10/22 08:31	
sec-Butylbenzene	ug/L	<0.42	1.0	10/10/22 08:31	
Styrene	ug/L	<0.36	1.0	10/10/22 08:31	
tert-Butylbenzene	ug/L	<0.59	1.0	10/10/22 08:31	
Tetrachloroethene	ug/L	<0.41	1.0	10/10/22 08:31	
Tetrahydrofuran	ug/L	<2.4	25.0	10/10/22 08:31	
Toluene	ug/L	<0.29	1.0	10/10/22 08:31	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	10/10/22 08:31	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	10/10/22 08:31	
Trichloroethene	ug/L	<0.32	1.0	10/10/22 08:31	
Trichlorofluoromethane	ug/L	<0.42	1.0	10/10/22 08:31	
Vinyl chloride	ug/L	<0.17	1.0	10/10/22 08:31	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130	10/10/22 08:31	
4-Bromofluorobenzene (S)	%	105	70-130	10/10/22 08:31	
Toluene-d8 (S)	%	100	70-130	10/10/22 08:31	

LABORATORY CONTROL SAMPLE: 2465240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.1	112	70-134	
1,1,2,2-Tetrachloroethane	ug/L	50	47.5	95	69-130	
1,1,2-Trichloroethane	ug/L	50	48.4	97	70-130	
1,1-Dichloroethane	ug/L	50	52.0	104	70-130	
1,1-Dichloroethene	ug/L	50	49.6	99	74-131	
1,2,4-Trichlorobenzene	ug/L	50	50.0	100	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	42.0	84	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	49.8	100	70-130	
1,2-Dichlorobenzene	ug/L	50	50.1	100	70-130	
1,2-Dichloroethane	ug/L	50	51.4	103	70-137	
1,2-Dichloropropane	ug/L	50	52.3	105	80-121	
1,3-Dichlorobenzene	ug/L	50	53.0	106	70-130	
1,4-Dichlorobenzene	ug/L	50	51.9	104	70-130	
Benzene	ug/L	50	50.8	102	70-130	
Bromodichloromethane	ug/L	50	53.8	108	70-130	

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

LABORATORY CONTROL SAMPLE: 2465240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	50.0	100	70-130	
Bromomethane	ug/L	50	43.6	87	21-147	
Carbon tetrachloride	ug/L	50	56.7	113	80-146	
Chlorobenzene	ug/L	50	51.9	104	70-130	
Chloroethane	ug/L	50	48.1	96	52-165	
Chloroform	ug/L	50	53.3	107	80-123	
Chloromethane	ug/L	50	43.8	88	51-122	
cis-1,2-Dichloroethene	ug/L	50	52.0	104	70-130	
cis-1,3-Dichloropropene	ug/L	50	51.4	103	70-130	
Dibromochloromethane	ug/L	50	50.7	101	70-130	
Dichlorodifluoromethane	ug/L	50	35.3	71	25-121	
Ethylbenzene	ug/L	50	55.6	111	80-120	
Isopropylbenzene (Cumene)	ug/L	50	57.9	116	70-130	
m&p-Xylene	ug/L	100	112	112	70-130	
Methyl-tert-butyl ether	ug/L	50	48.7	97	70-130	
Methylene Chloride	ug/L	50	53.1	106	70-130	
o-Xylene	ug/L	50	53.7	107	70-130	
Styrene	ug/L	50	55.0	110	70-130	
Tetrachloroethene	ug/L	50	52.4	105	70-130	
Toluene	ug/L	50	51.5	103	80-120	
trans-1,2-Dichloroethene	ug/L	50	52.9	106	70-130	
trans-1,3-Dichloropropene	ug/L	50	43.8	88	70-130	
Trichloroethene	ug/L	50	52.9	106	70-130	
Trichlorofluoromethane	ug/L	50	52.2	104	65-160	
Vinyl chloride	ug/L	50	47.4	95	63-134	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2466631 2466632

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40252569022 Result	Spike Conc.	Spike Conc.	Result								
1,1,1-Trichloroethane	ug/L	<0.30	50	50	56.6	55.9	113	112	70-134	1	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	49.2	47.9	98	96	61-135	3	20		
1,1,2-Trichloroethane	ug/L	<0.34	50	50	48.0	46.9	96	94	70-130	2	20		
1,1-Dichloroethane	ug/L	<0.30	50	50	51.7	50.8	103	102	70-130	2	20		
1,1-Dichloroethene	ug/L	<0.58	50	50	50.5	49.0	101	98	71-130	3	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	51.3	50.3	103	101	68-131	2	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	44.4	43.5	89	87	51-141	2	20		
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	48.9	48.2	98	96	70-130	2	20		
1,2-Dichlorobenzene	ug/L	<0.33	50	50	50.7	50.5	101	101	70-130	0	20		
1,2-Dichloroethane	ug/L	<0.29	50	50	52.6	51.6	105	103	70-137	2	20		
1,2-Dichloropropane	ug/L	<0.45	50	50	53.0	52.7	106	105	80-121	1	20		

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2466631		2466632		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40252569022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,3-Dichlorobenzene	ug/L	<0.35	50	50	53.8	52.4	108	105	70-130	3	20		
1,4-Dichlorobenzene	ug/L	<0.89	50	50	52.7	51.9	105	104	70-130	2	20		
Benzene	ug/L	0.50J	50	50	52.0	52.7	103	104	70-130	1	20		
Bromodichloromethane	ug/L	<0.42	50	50	54.6	53.7	109	107	70-130	2	20		
Bromoform	ug/L	<3.8	50	50	50.7	51.2	101	102	70-133	1	20		
Bromomethane	ug/L	<1.2	50	50	46.1	46.2	92	92	21-149	0	22		
Carbon tetrachloride	ug/L	<0.37	50	50	58.0	58.6	116	117	80-146	1	20		
Chlorobenzene	ug/L	<0.86	50	50	51.1	51.9	102	104	70-130	1	20		
Chloroethane	ug/L	<1.4	50	50	48.0	50.0	96	100	52-165	4	20		
Chloroform	ug/L	<1.2	50	50	52.8	53.3	106	107	80-123	1	20		
Chloromethane	ug/L	<1.6	50	50	43.5	40.9	87	82	42-125	6	20		
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	52.3	52.3	105	105	70-130	0	20		
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	53.2	52.4	106	105	70-130	2	20		
Dibromochloromethane	ug/L	<2.6	50	50	51.4	50.3	103	101	70-130	2	20		
Dichlorodifluoromethane	ug/L	<0.46	50	50	34.0	33.7	68	67	25-121	1	20		
Ethylbenzene	ug/L	<0.33	50	50	54.5	55.4	109	111	80-121	2	20		
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	56.7	57.1	113	114	70-130	1	20		
m&p-Xylene	ug/L	<0.70	100	100	110	112	110	112	70-130	2	20		
Methyl-tert-butyl ether	ug/L	<1.1	50	50	49.8	48.8	100	98	70-130	2	20		
Methylene Chloride	ug/L	<0.32	50	50	53.7	53.0	107	106	70-130	1	20		
o-Xylene	ug/L	<0.35	50	50	53.4	54.4	107	109	70-130	2	20		
Styrene	ug/L	<0.36	50	50	54.4	54.5	109	109	70-132	0	20		
Tetrachloroethene	ug/L	<0.41	50	50	51.7	52.4	103	105	70-130	1	20		
Toluene	ug/L	0.44J	50	50	52.3	51.4	104	102	80-120	2	20		
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	53.5	52.2	107	104	70-130	2	20		
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	43.8	44.0	88	88	70-130	0	20		
Trichloroethene	ug/L	<0.32	50	50	53.4	53.7	107	107	70-130	1	20		
Trichlorofluoromethane	ug/L	<0.42	50	50	52.2	51.8	104	104	65-160	1	20		
Vinyl chloride	ug/L	<0.17	50	50	48.1	48.7	96	97	60-137	1	20		
1,2-Dichlorobenzene-d4 (S)	%						100	100	70-130				
4-Bromofluorobenzene (S)	%						102	103	70-130				
Toluene-d8 (S)	%						99	100	70-130				

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

QC Batch: 428480 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: 40252622017, 40252622018, 40252622019

METHOD BLANK: 2467722 Matrix: Water
Associated Lab Samples: 40252622017, 40252622018, 40252622019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.14	0.50	10/11/22 23:50	

LABORATORY CONTROL SAMPLE: 2467723

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	10	10.1	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2467724 2467725

Parameter	Units	40252622017		40252622018		40252622019		% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.				
Nitrogen, Ammonia	mg/L	199	500	500	730	730	106	106	90-110	0	20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2467726 2467727

Parameter	Units	40252675001		40252675002		40252675003		% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.				
Nitrogen, Ammonia	mg/L	<0.14	10	10	10.3	10.3	103	103	90-110	0	20

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

QC Batch: 428580 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: 40252622017, 40252622018, 40252622019

METHOD BLANK: 2468337 Matrix: Water
Associated Lab Samples: 40252622017, 40252622018, 40252622019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.21	1.0	10/13/22 00:26	

LABORATORY CONTROL SAMPLE: 2468338

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	5	4.9	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2468339 2468340

Parameter	Units	40252940001		2468340		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Nitrogen, Kjeldahl, Total	mg/L	1.3	5	5	5.6	5.6	85	85	90-110	0	20	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2468341 2468342

Parameter	Units	40252621001		2468342		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Nitrogen, Kjeldahl, Total	mg/L	0.93J	5	5	5.7	5.7	96	95	90-110	1	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40252622

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

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11115796 RHINELANDER LF
Pace Project No.: 40252622

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40252622001	MW-16A	EPA 8260	428080		
40252622002	FIELD BLANK	EPA 8260	428080		
40252622003	MW-16C	EPA 8260	428080		
40252622004	MW-16C DUP	EPA 8260	428080		
40252622005	MW-16B	EPA 8260	428080		
40252622006	MW-26B	EPA 8260	428080		
40252622007	MW-26C	EPA 8260	428080		
40252622008	MW-25B	EPA 8260	428080		
40252622009	MW-4A	EPA 8260	428080		
40252622010	MW-5A	EPA 8260	428080		
40252622011	POUR BLANK	EPA 8260	428080		
40252622012	MW-20A	EPA 8260	428080		
40252622013	MW-20A DUP	EPA 8260	428080		
40252622014	MW-20C	EPA 8260	428080		
40252622015	MW-20B	EPA 8260	428080		
40252622016	MW-2B	EPA 8260	428080		
40252622017	MW-2A	EPA 8260	428080		
40252622018	MW-21A	EPA 8260	428080		
40252622019	MW-3A	EPA 8260	428080		
40252622020	MW-27B	EPA 8260	428080		
40252622021	MW-28A	EPA 8260	428082		
40252622022	MW-18A	EPA 8260	428082		
40252622023	MW-18C	EPA 8260	428082		
40252622024	MW-18B	EPA 8260	428082		
40252622025	TRIP BLANK	EPA 8260	428082		
40252622017	MW-2A	EPA 350.1	428480	EPA 350.1	428485
40252622018	MW-21A	EPA 350.1	428480	EPA 350.1	428485
40252622019	MW-3A	EPA 350.1	428480	EPA 350.1	428485
40252622017	MW-2A	EPA 351.2	428580	EPA 351.2	428585
40252622018	MW-21A	EPA 351.2	428580	EPA 351.2	428585
40252622019	MW-3A	EPA 351.2	428580	EPA 351.2	428585

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY Analytical Request Document

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

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

41052622

Company: **GHb** Billing Information: **64D**

Address: **900 Long Lake Rd #200**

Report To: **Grant Anderson** Email To:

Copy To: Site Collection Info/Address:

ALL SHADED AREAS are for LAB USE ONLY

Customer Project Name/Number: **Rhinlander LF 1115796** State: **1** County/City: Time Zone Collected: [] PT [] MT [] CT [] ET

Phone: **612 224 6855** Site/Facility ID #: Compliance Monitoring? [] Yes [] No

Collected By (print): **Ramot** Purchase Order #: DW PWS ID #: DW Location Code:

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

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

Container Preservative Type ** Lab Project Manager:

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

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

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
W-221004-RA-01	GW	6	10/9	1435				3
RA-02				1435				3
RA-03				1440				3
RA-04				1450				3
RA-05				1510				3
RA-06				1520				3
RA-07				1545				3
RA-08				1610				3
RA-09				1625				7
W-221004-RA-10				1505				3

Customer Remarks / Special Conditions / Possible Hazards: Type of Ice Used: Wet Blue Dry None

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

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

Lab Tracking #: **2828245**

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: _____

Cooler 1 Temp Upon Receipt: _____ oC

Cooler 1 Therm Corr. Factor: _____ oC

Cooler 1 Corrected Temp: _____ oC

Comments:

Relinquished by/Company: (Signature) **GHb** Date/Time: **10/5/12 12:37** Received by/Company: (Signature) Date/Time:

Relinquished by/Company: (Signature) **fedex** Date/Time: **10/6/12 1010** Received by/Company: (Signature) **Stump** Date/Time: **10/6/12 1010**

Relinquished by/Company: (Signature) Date/Time: Received by/Company: (Signature) Date/Time:

MTJL LAB USE ONLY

Table #: _____

Acctnum: _____

Template: _____

Prelogin: _____

PM: _____

PB: _____

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: **4** Page 67 of 72

of: **3**



CHAIN-OF-CUSTODY Analytical Request Document

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

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

40252622

ALL SHADED AREAS are for LAB USE ONLY

Company: GHD

Billing Information: GHD

Address: 900 Longlake Rd #200

Report To: Silent Anderson

Email To:

Copy To:

Site Collection Info/Address:

Customer Project Name/Number: Rhinelanders LP 1115796

State: 1 County/City: _____ Time Zone Collected: [] PT [] MT [] CT [] ET

Phone: _____
Email: 612 524 8855

Site/Facility ID #:

Compliance Monitoring? [] Yes [] No

Collected By (print): RAgma

Purchase Order #: _____
Quote #: _____

DW PWS ID #: _____
DW Location Code: _____

Collected By (signature): [Signature]

Turnaround Date Required:

Immediately Packed on Ice: [] Yes [] No

Sample Disposal: [] Dispose as appropriate [] Return [] Archive: _____ [] Hold: _____

Rush: [] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] 5 Day (Expedite Charges Apply)

Field Filtered (if applicable): [] Yes [] No
Analysis: _____

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
<u>W-221004-RA-11</u>	<u>GW</u>	<u>G</u>	<u>10/4</u>	<u>1505</u>				<u>3</u>
<u>RA-12</u>				<u>1740</u>				<u>3</u>
<u>RA-13</u>				<u>1740</u>				<u>3</u>
<u>RA-14</u>				<u>1750</u>				<u>3</u>
<u>W-221004-RA-15</u>				<u>1800</u>				<u>3</u>
<u>W-221005-RA-16</u>			<u>10/5</u>	<u>730</u>				<u>3</u>
<u>RA-17</u>				<u>745</u>				<u>5</u>
<u>RA-18</u>				<u>815</u>				<u>5</u>
<u>RA-19</u>				<u>845</u>				<u>5</u>
<u>RA-20</u>				<u>1015</u>				<u>9</u>

Analyses									

Lab Profile/Line:
Lab Sample Receipt Checklist:

- Custody Seals Present/Intact Y N NA
- Custody Signatures Present Y N NA
- Collector Signature Present Y N NA
- Bottles Intact Y N NA
- Correct Bottles Y N NA
- Sufficient Volume Y N NA
- Samples Received on Ice Y N NA
- VOA - Headspace Acceptable Y N NA
- USDA Regulated Soils Y N NA
- Samples in Holding Time Y N NA
- Residual Chlorine Present Y N NA
- Cl Strips: _____
- Sample pH Acceptable Y N NA
- pH Strips: _____
- Sulfide Present Y N NA
- Lead Acetate Strips: _____

LAB USE ONLY:
Lab Sample # / Comments:

011
012
013
014
015
016
017
018
019
020

VOCs + Tetrahydrofuran
TKN + Ammonia

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None
Packing Material Used:
Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A
Lab Tracking #: 2828244
Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: _____
Cooler 1 Therm Corr. Factor: _____
Cooler 1 Corrected Temp: _____ °C
Comments:

Relinquished by/Company: (Signature) [Signature]
Date/Time: 10/5/22 1230
Relinquished by/Company: (Signature) Fedex
Date/Time: 10/6/22 1010
Relinquished by/Company: (Signature)

Received by/Company: (Signature) _____
Date/Time: _____
Received by/Company: (Signature) [Signature]
Date/Time: 10/6/22 1010
Received by/Company: (Signature)

MTJL LAB USE ONLY
Table #: _____
Acctnum: _____
Template: _____
Prelogin: _____
PM: _____
PB: _____

Trip Blank Received: Y N NA
HCL MeOH TSP Other
Non Conformance(s): _____
Page: Page 68 of 72
of: 3



CHAIN-OF-CUSTODY Analytical Request Document

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

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

4052622

Company: **GHD** Billing Information: **GHD**

Address: **900 Long Lake Rd #200**

Report To: **Grant Anderson** Email To:

Copy To: Site Collection Info/Address:

Customer Project Name/Number: **Rhnelander LF 1115796** State: **/** County/City: Time Zone Collected: [] PT [] MT [] CT [] ET

Phone: **612-524-6855** Site/Facility ID #: Compliance Monitoring? [] Yes [] No

Collected By (print): **Ragout** Purchase Order #: DW PWS ID #: Quote #: DW Location Code:

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

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

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
W-221005-PA-100	SL	6	10/5	1050				5
W-221005-PA-101	↓	↓	10/5	1100				4
W-221005-PA-102	↓	↓	10/5	1100				4
W-221005-GA-21	GW	9	10/5	1010				3
W-221005-PA-22	↓	↓	10/5	1105				3
W-221005-PA-23	↓	↓	10/5	1135				3
W-221005-PA-24	↓	↓	10/5	1150				3
trip blank								1

Analyses

Feed Calcium	Ammonia, TKN, N+V, COD	Chloride, turbidity	Metals & Hardness	VOCs + tetrahydrofuran
--------------	------------------------	---------------------	-------------------	------------------------

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact Y N NA

Custody Signatures Present Y N NA

Collector Signature Present Y N NA

Bottles Intact Y N NA

Correct Bottles Y N NA

Sufficient Volume Y N NA

Samples Received on Ice Y N NA

VOA - Headspace Acceptable Y N NA

USDA Regulated Soils Y N NA

Samples in Holding Time Y N NA

Residual Chlorine Present Y N NA

Cl Strips: _____

Sample pH Acceptable Y N NA

pH Strips: _____

Sulfide Present Y N NA

Lead Acetate Strips: _____

LAB USE ONLY:
Lab Sample # / Comments:

021
022
023
021 024
022 025
023 026
024 027
025 028

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

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

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

Lab Tracking #: **2828246**

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: _____

Cooler 1 Temp Upon Receipt: _____ °C

Cooler 1 Therm Corr. Factor: _____ °C

Cooler 1 Corrected Temp: _____ °C

Comments:

Relinquished by/Company: (Signature) **GHD** Date/Time: **10/5/22 1230**

Relinquished by/Company: (Signature) **Fedex** Date/Time: **10/6/22 1010**

Relinquished by/Company: (Signature) Date/Time:

Received by/Company: (Signature) Date/Time:

Received by/Company: (Signature) **Impact Force** Date/Time: **10/6/22 1010**

Received by/Company: (Signature) Date/Time:

MTJL LAB USE ONLY

Table #: _____

Acctnum: _____

Template: _____

Prelogin: _____

PM: _____

PB: _____

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: **Page 69 of 72**
of: **3**

Effective Date: 8/16/2022

Sample Preservation Receipt Form

Client Name: GHD

Project # 41252622

All containers needing preservation have been checked and noted below:

Yes No N/A

Initial when completed: TP

Date/Time:

Lab Lot# of pH paper: 10D311

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	AG5U	AG2S	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU								SP5T	ZPLC	GN 1	GN 2							
001															3																				2					2.5 / 5
002															3																				1					2.5 / 5
003															3																								2.5 / 5	
004															3																								2.5 / 5	
005															3																				1					2.5 / 5
006															3																								2.5 / 5	
007															3																								2.5 / 5	
008															3																								2.5 / 5	
009															3																								2.5 / 5	
010															3																								2.5 / 5	
011															3																								2.5 / 5	
012															3																								2.5 / 5	
013															3																								2.5 / 5	
014															3																								2.5 / 5	
015															3																								2.5 / 5	
016															3																								2.5 / 5	
017															3																							X	2.5 / 5	
018															3																						X	2.5 / 5		
019															3																						X	2.5 / 5		
020															9																								2.5 / 5	

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	VG9C	40 mL clear ascorbic w/ HCl	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
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

Client Name: GHD

Sample Preservation Receipt Form
Project #: 40252622

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	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JG9U	JG9U	WG9U	WPFU	SP5T								ZPLC	GN 1	GN 2																														
021																3																				2.5 / 5																												
022																3																				2.5 / 5																												
023																3																				2.5 / 5																												
024																3																				2.5 / 5																												
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045																																																																2.5 / 5
046																																																																2.5 / 5
047																																																																2.5 / 5
048																																																																2.5 / 5

DP 10/16/22

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: GHD

WO#: **40252622**

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



Tracking #: 817492879417, 817492879428

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

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

Packing Material: Bubble Wrap Bubble Bags None Other

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

Cooler Temperature Uncorr: 2.5, 4 / Corr: 3, 4.5

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 10/6/22 / Initials: TP
 Labeled By Initials: ceR

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 checked="" type="checkbox"/> No <u>TP 10/6/22</u>	5.
- DI VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <u>TP 10/6/22</u>	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type: Pace <u>Green Bay</u> , Pace IR, Non-Pace		
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 times</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>		<u>TP 10/6/22</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>491</u>		

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

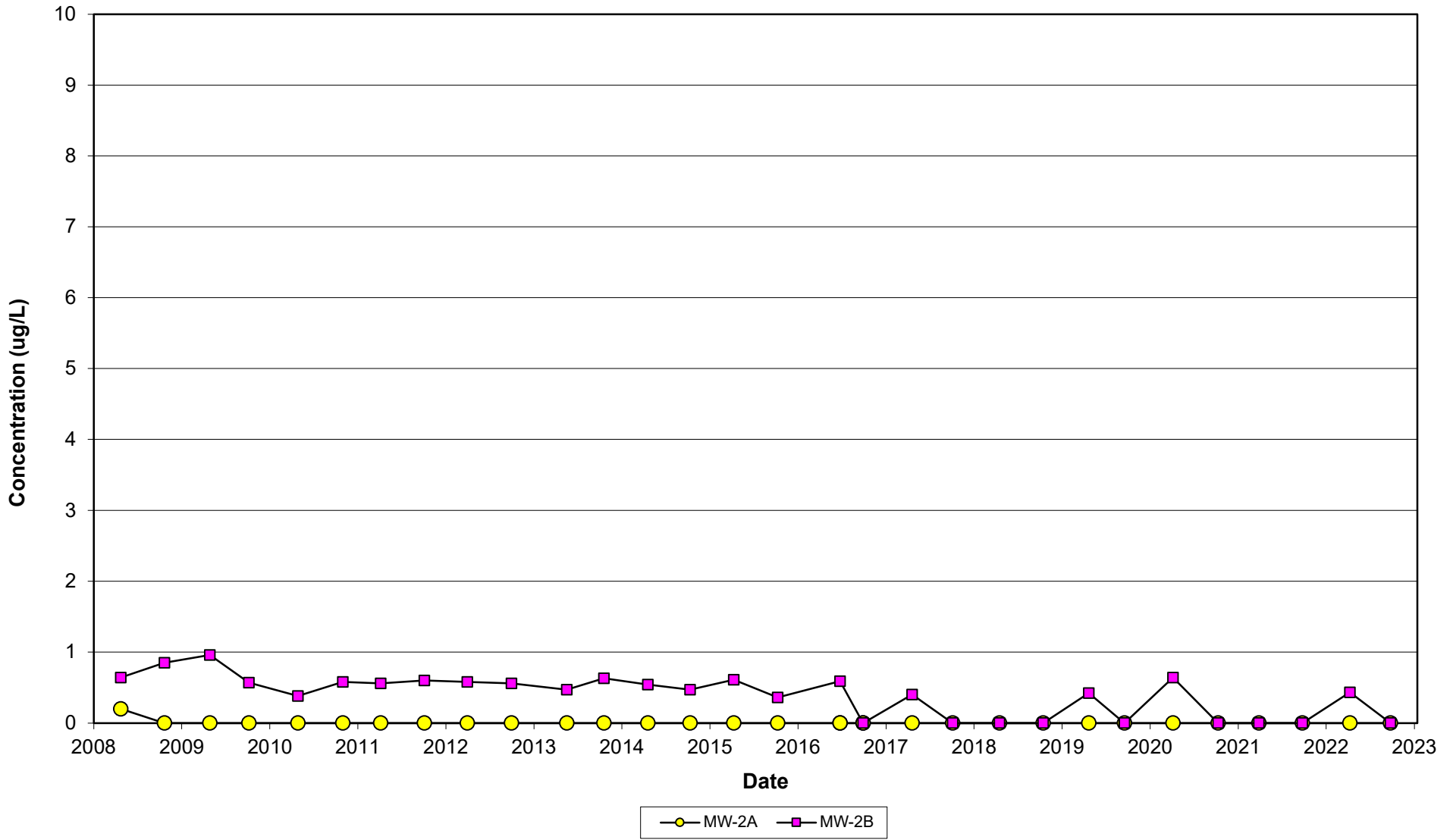
Comments/ Resolution: _____

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

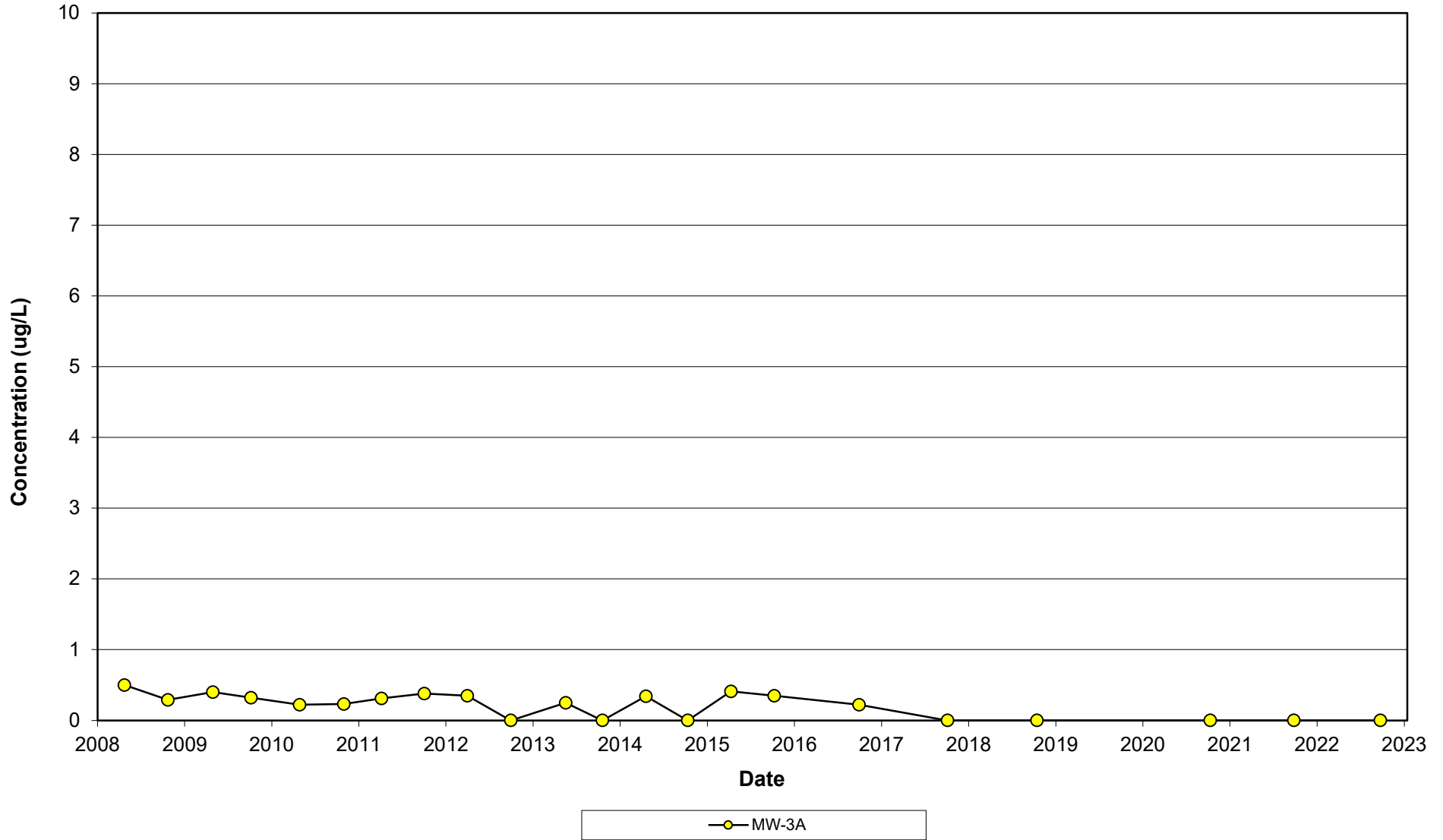
Appendix C

Vinyl Chloride Graphs

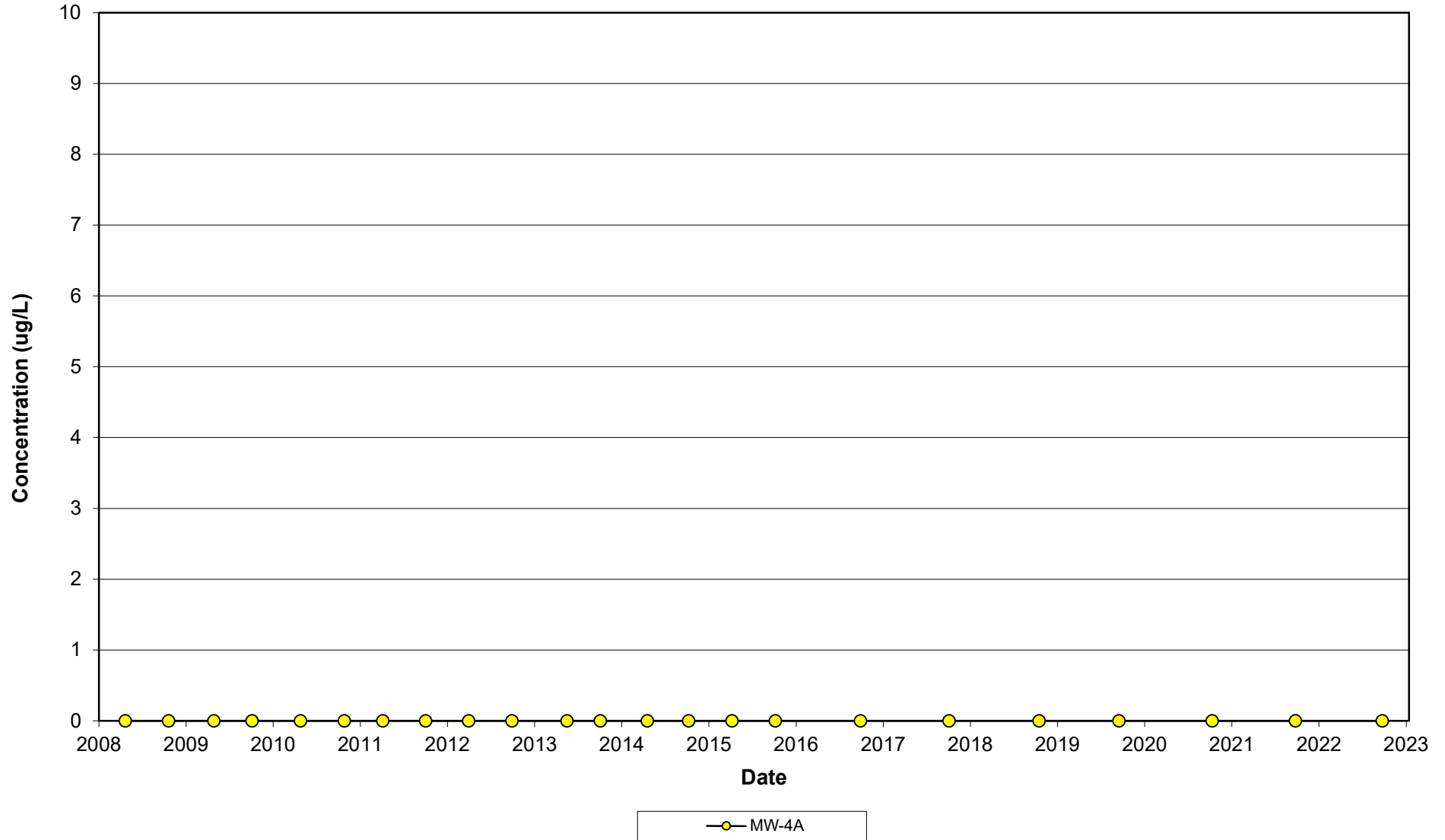
Vinyl Chloride Concentrations Over Time
(MW-2 NEST)
Rhinelanders Landfill
Rhinelanders, Wisconsin



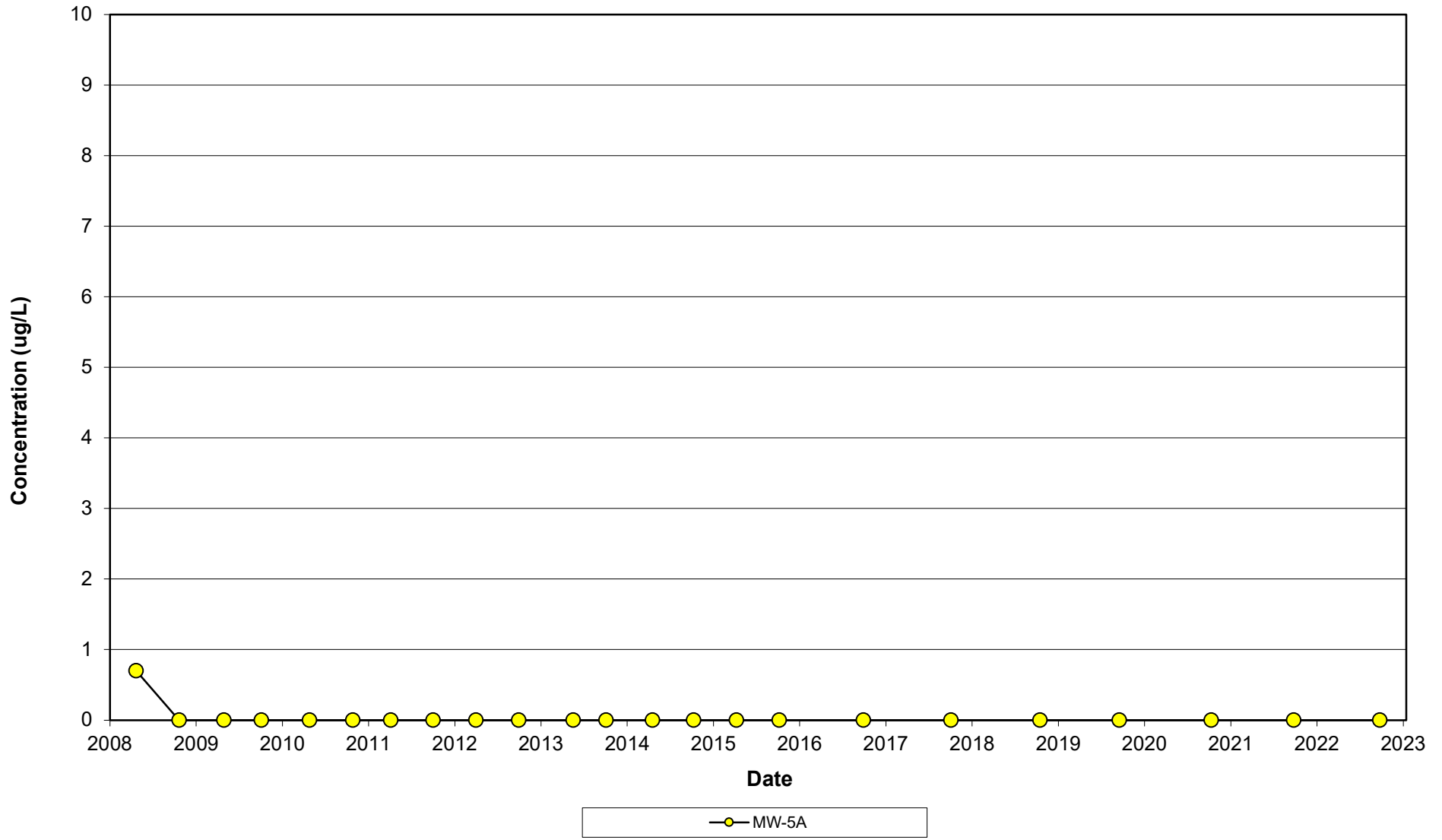
Vinyl Chloride Concentrations Over Time
(MW-3A)
Rhineland Landfill
Rhineland, Wisconsin



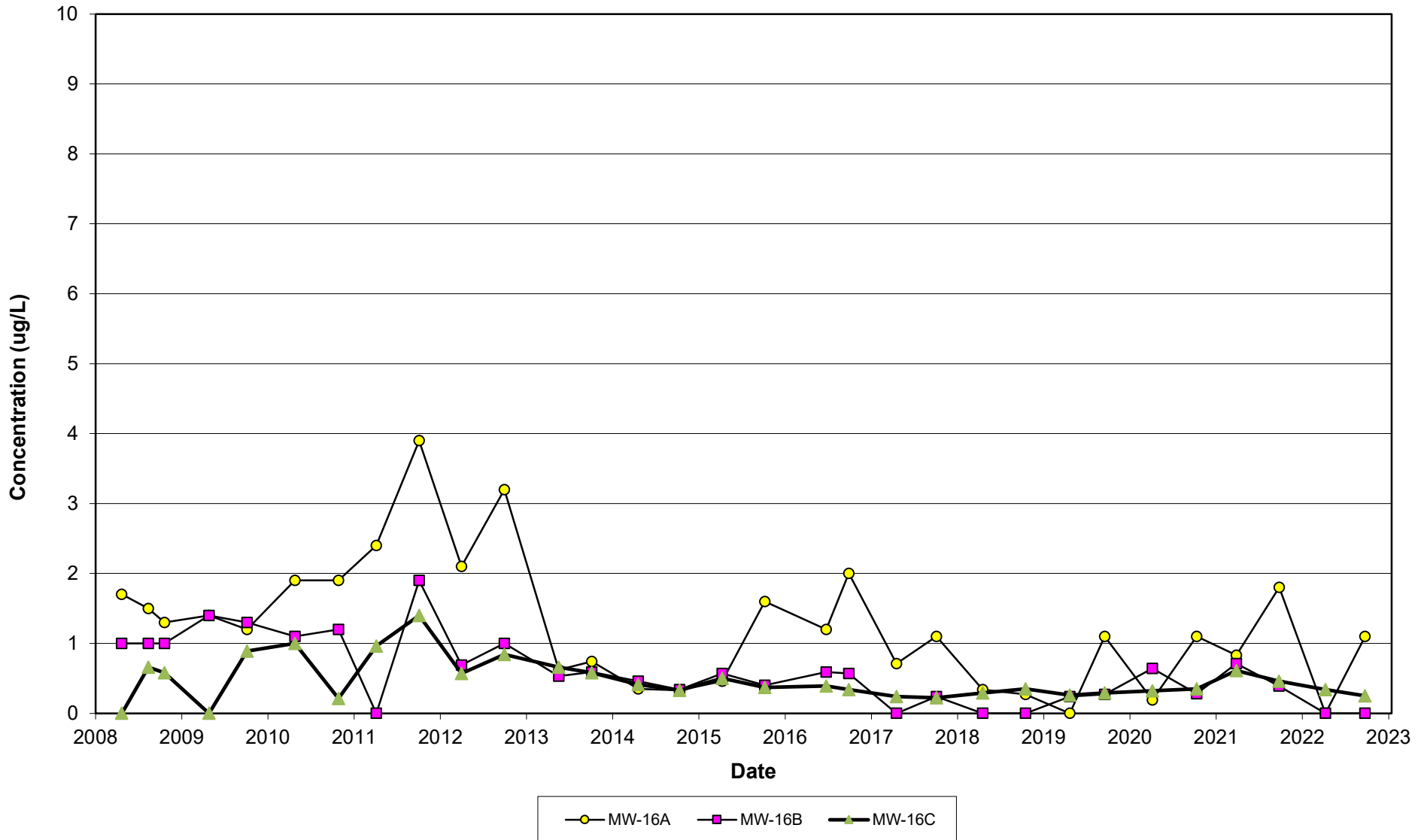
Vinyl Chloride Concentrations Over Time
(MW-4A)
Rhinelander Landfill
Rhinelander, Wisconsin



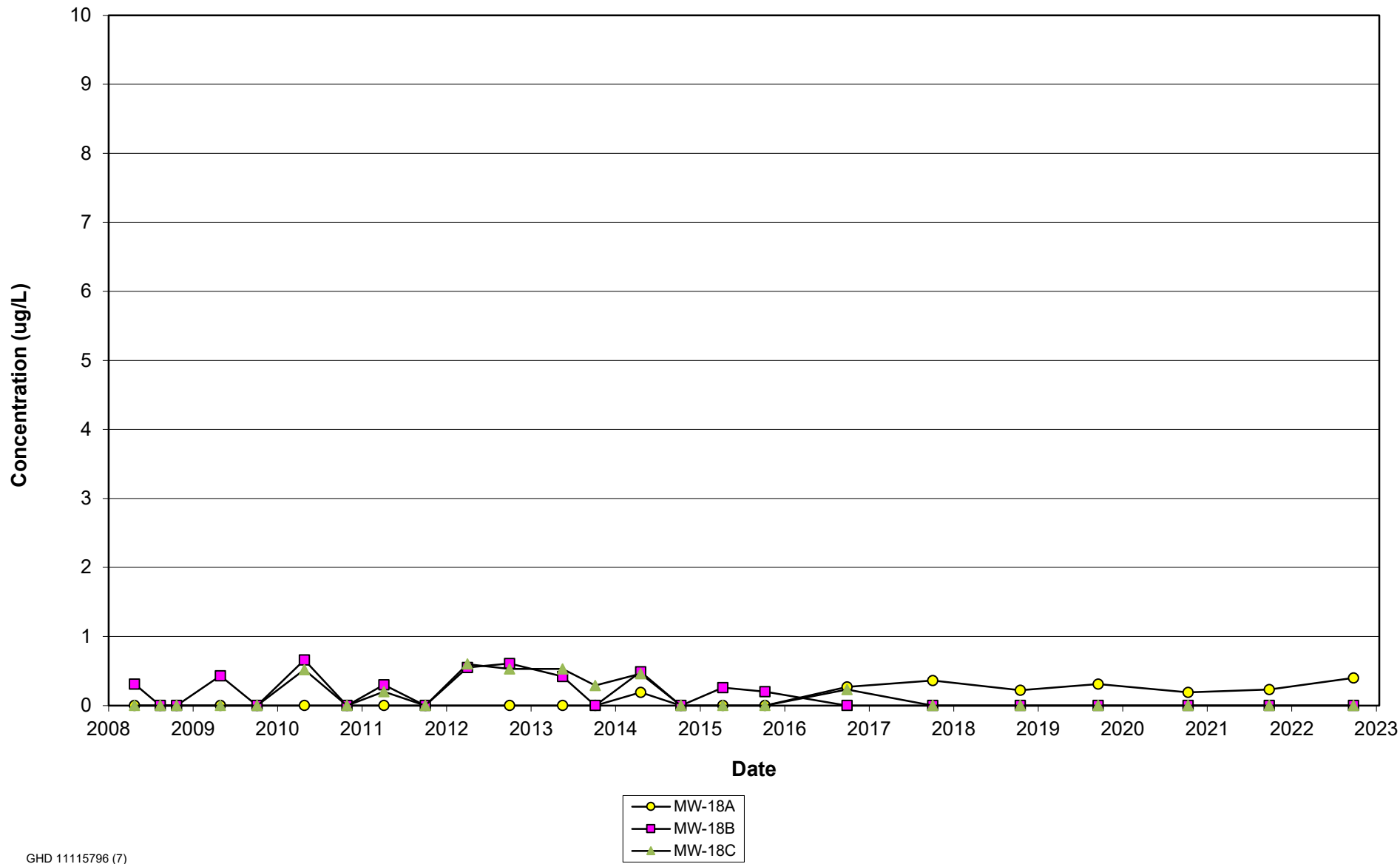
Vinyl Chloride Concentrations Over Time
(MW-5A)
Rhinelanders Landfill
Rhinelanders, Wisconsin



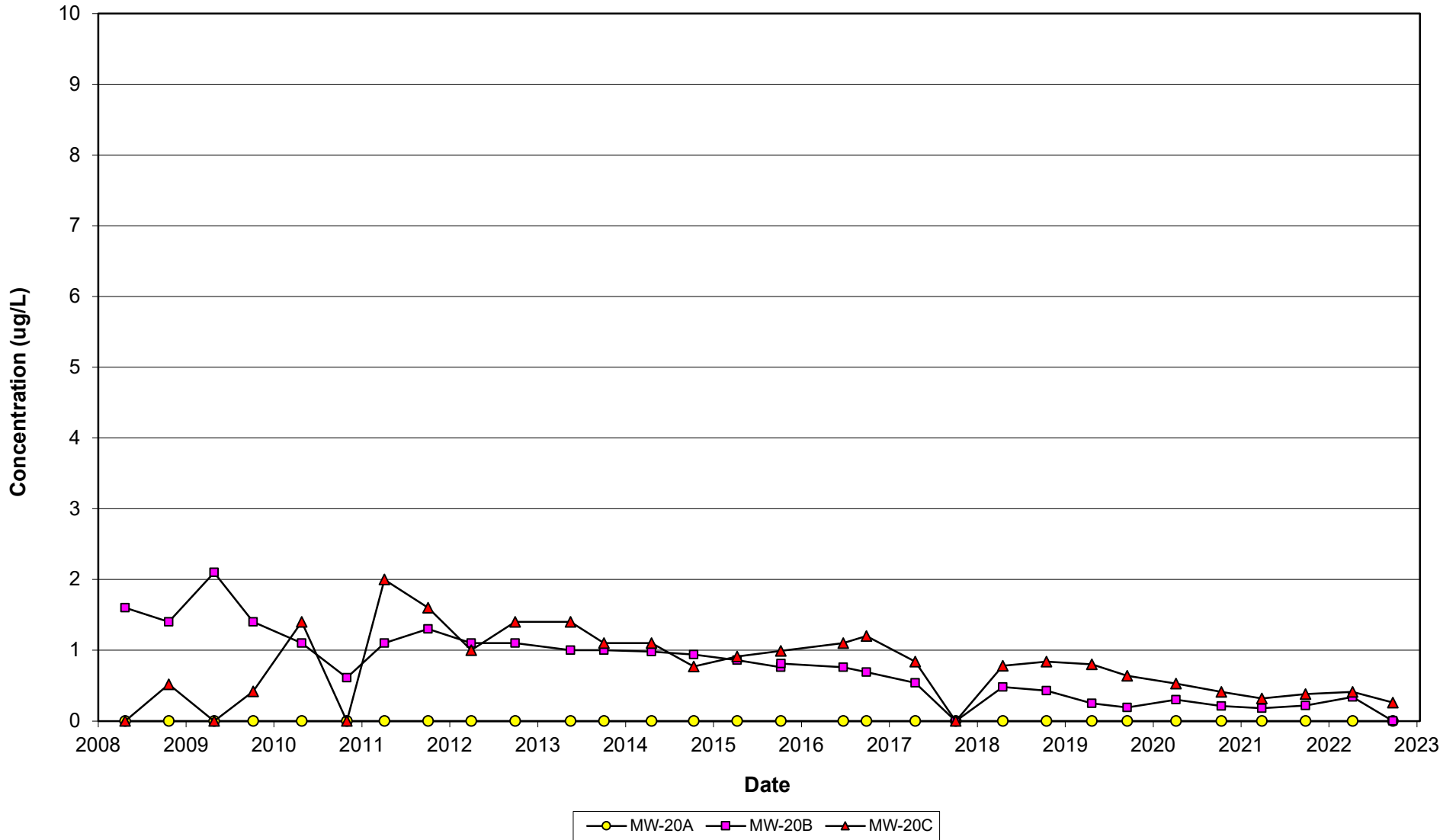
Vinyl Chloride Concentrations Over Time
(MW-16 NEST)
Rhinelanders Landfill
Rhinelanders, Wisconsin



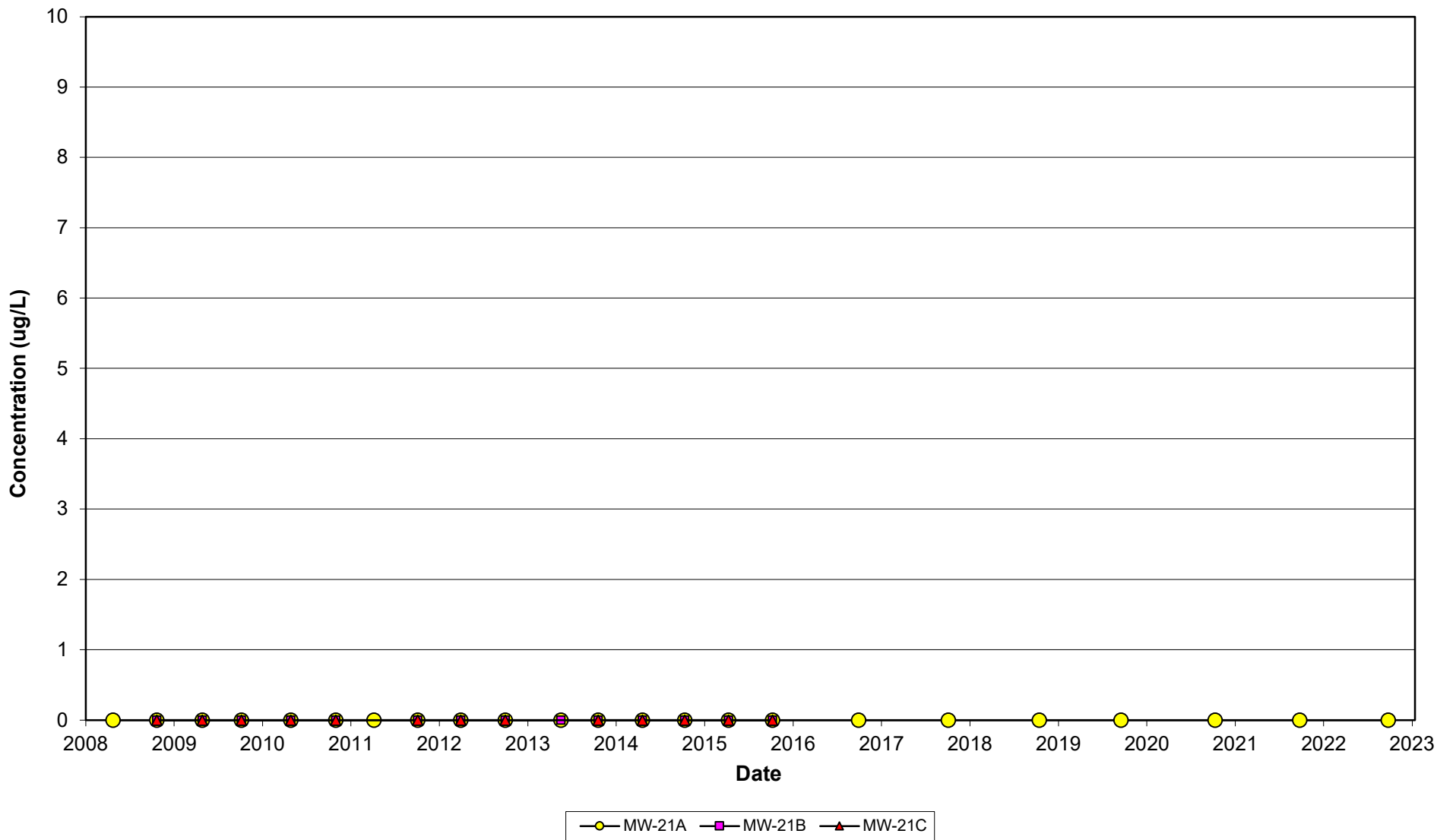
Vinyl Chloride Concentrations Over Time
(MW-18 NEST)
Rhineland Landfill
Rhineland, Wisconsin



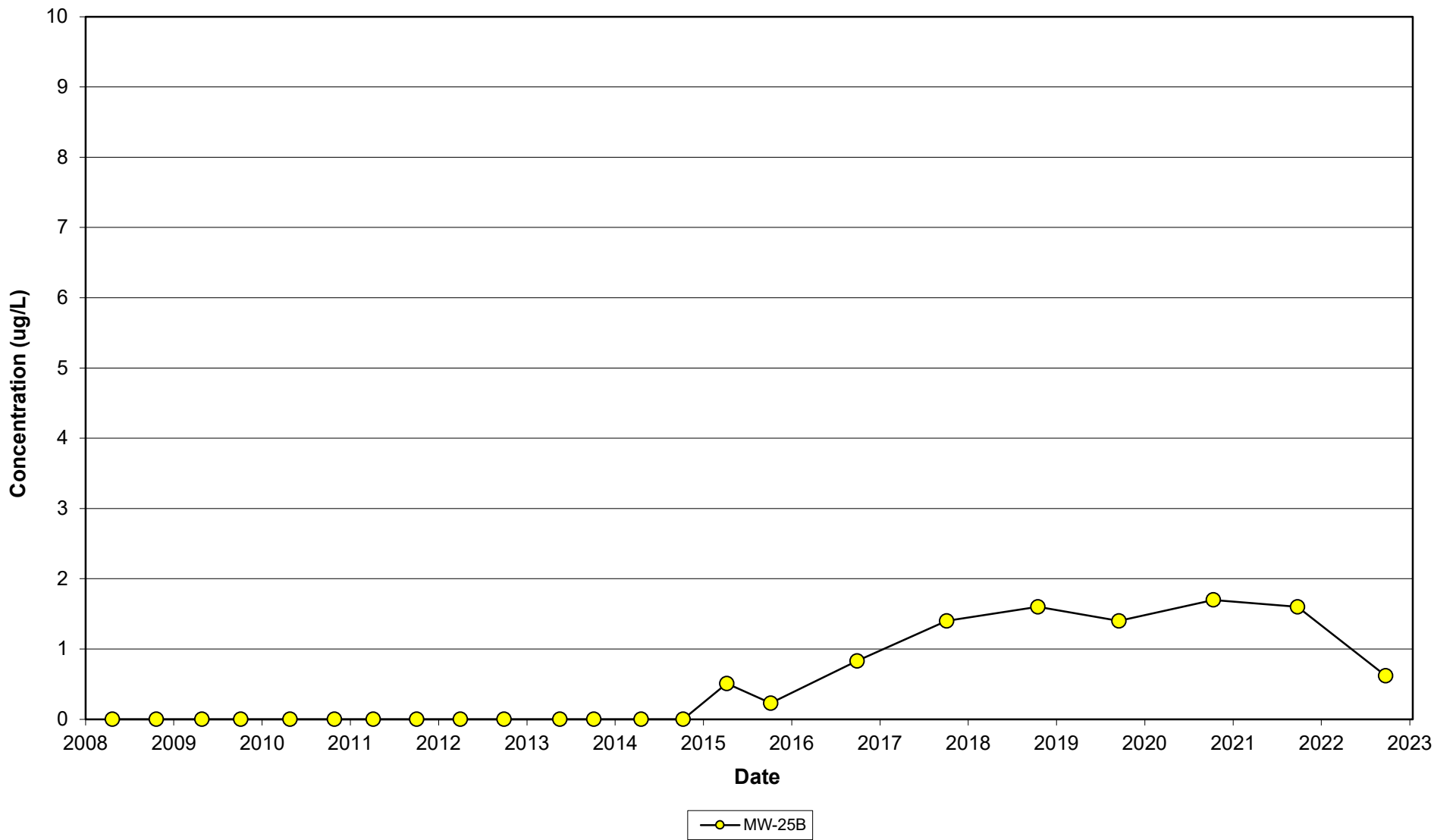
Vinyl Chloride Concentrations Over Time
(MW-20 NEST)
Rhinelanders Landfill
Rhinelanders, Wisconsin



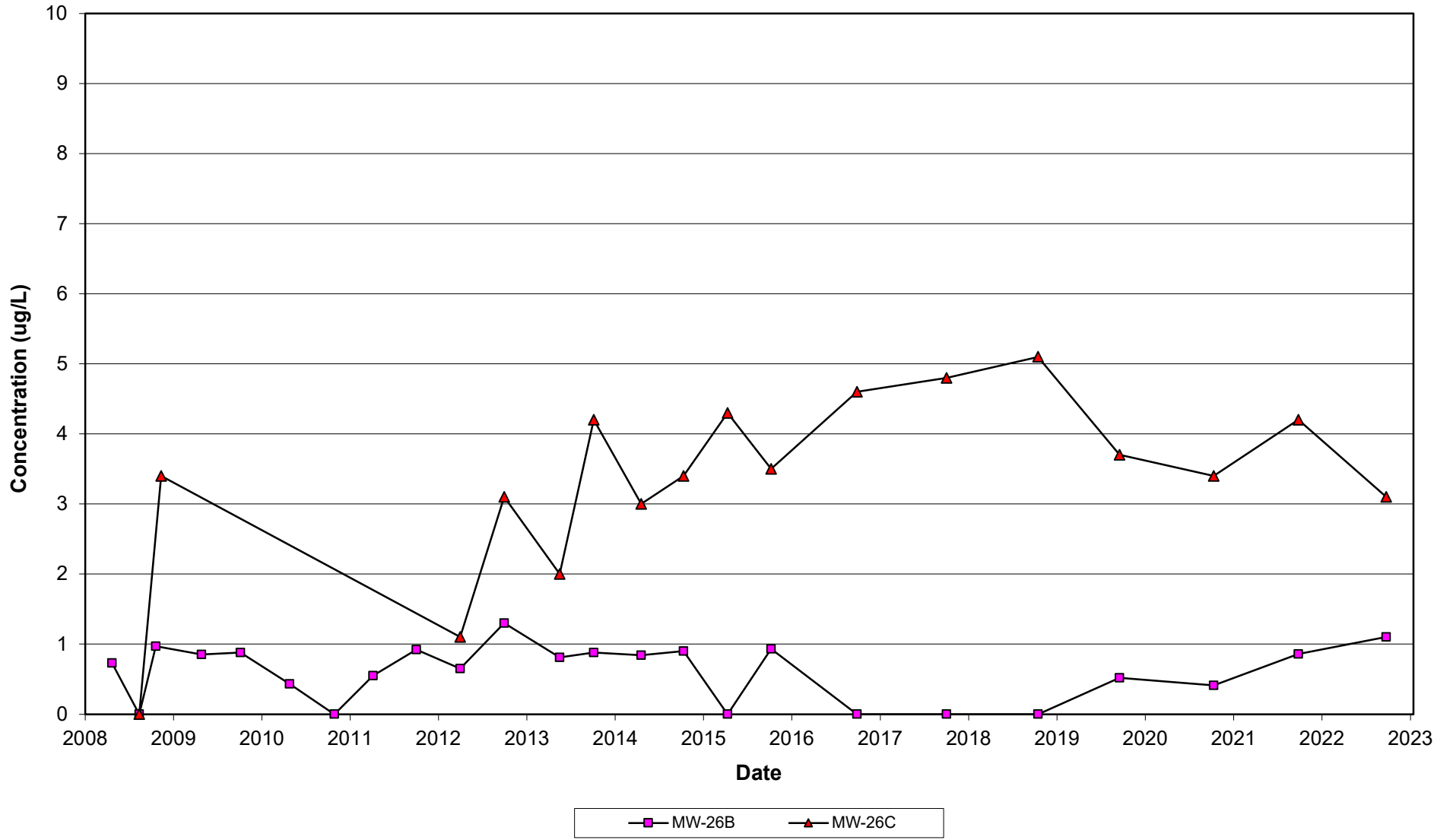
Vinyl Chloride Concentrations Over Time
(MW-21 NEST)
Rhineland Landfill
Rhineland, Wisconsin



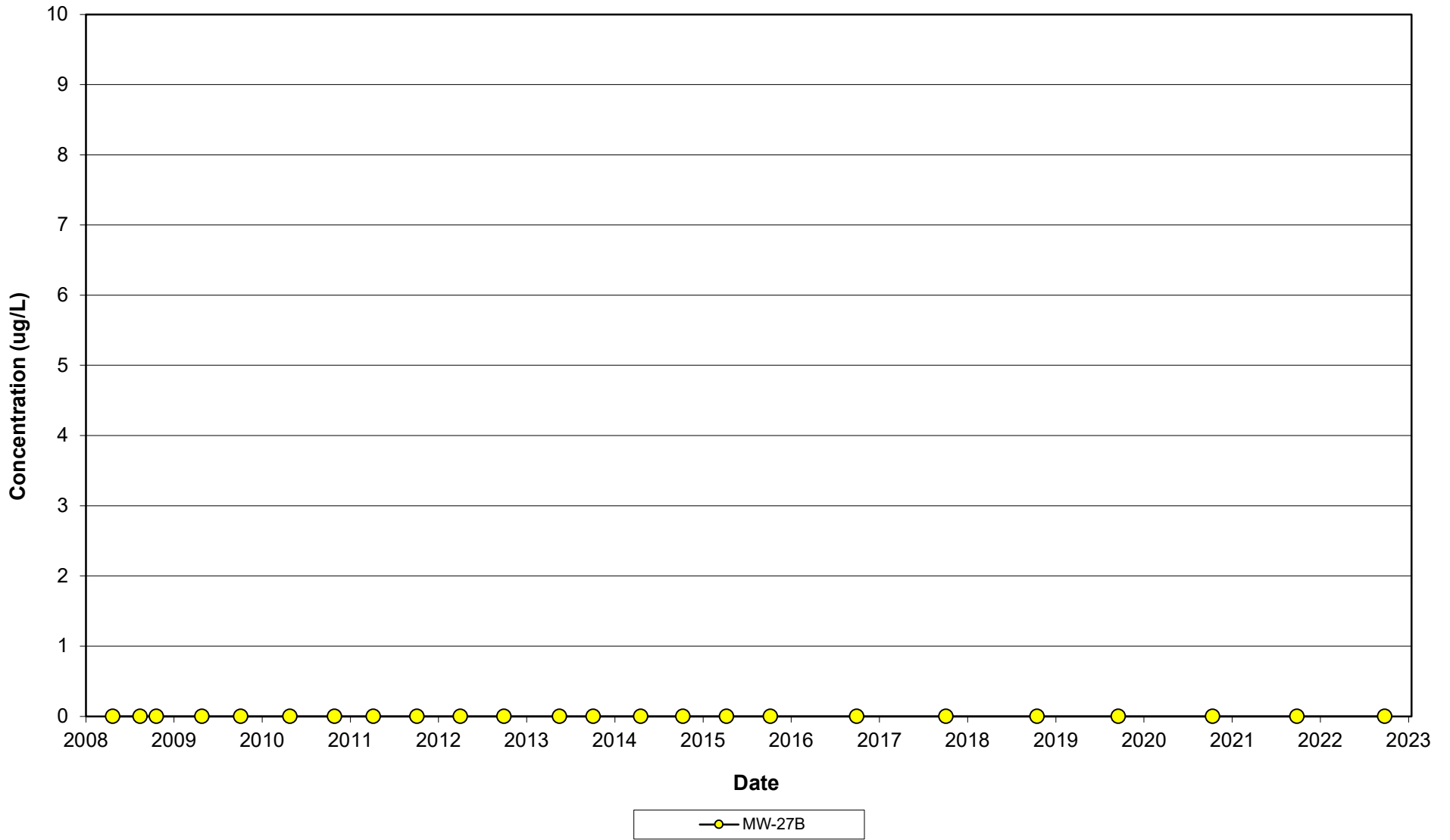
Vinyl Chloride Concentrations Over Time
(MW-25B)
Rhineland Landfill
Rhineland, Wisconsin



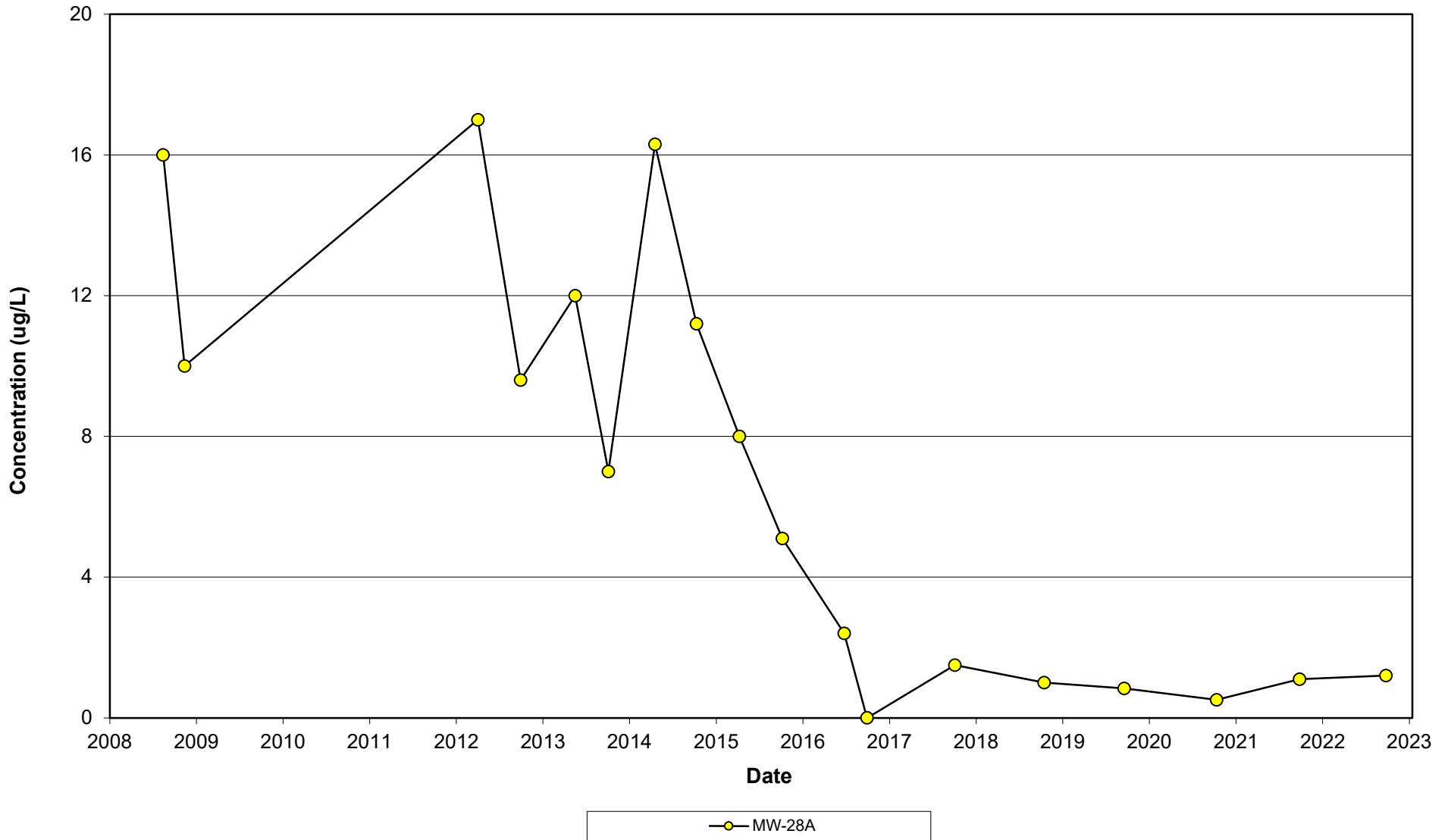
Vinyl Chloride Concentrations Over Time
(MW-26 NEST)
Rhineland Landfill
Rhineland, Wisconsin



Vinyl Chloride Concentrations Over Time
(MW-27B)
Rhinelanders Landfill
Rhinelanders, Wisconsin



Vinyl Chloride Concentrations Over Time
(MW-28A)
Rhinelanders Landfill
Rhinelanders, Wisconsin





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