2021 Site Monitoring Report

Former City of Rhinelander Landfill

City of Rhinelander

January 24, 2022

→ The Power of Commitment

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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 2021 Activities

The following activities associated with the Site were conducted in 2021:

– April 6: Semi-Annual groundwater monitoring of 8 monitoring wells
– April 6: Semi-Annual surface water sampling at three locations in Slaughterhouse Creek
– May 24: 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
– December 16: GHD submits semi-annual GEMS data to the WDNR

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 2021.

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 2021: 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 2021 results showed an exceedance of any applicable standard as expressed in NR 105 except for ammonia at the SW-28 location. 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 2021, ranging from 23.5 milligrams per liter (mg/L) to 81.7 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 was not detected in any of the six surface water samples collected in 2021. Lead and zinc were each detected in one of the six surface water samples. All detected concentrations were estimated (J) values with a range from 7.6 micrograms per liter (µg/L) to 15.8 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. In April and October 2021, the samples collected from SW-28 (Area 2 Restoration) 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 2020. The decreased surface water flow in the fall, along with the recent coppicing activities discussed in Section 3, have contributed to the elevated values of ammonia. The surface water locations will be sampled again in April 2022. 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 2021 sample event required collecting samples from nine monitoring wells. However, MW-28A, was inaccessible and not sampled due to spring flooding. The October 2021 round consisted of collecting samples from 20 monitoring 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 2021 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 2021 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. Away from these surface water features, the groundwater elevations (e.g., MW25A/B and MW4A/B) show downward vertical groundwater flow.

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 purging. 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 2021 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 2021 sampling events.

5.4 Groundwater Sampling Results

The analytical results from the 2021 sampling events, along with the previous five years, are presented on Table 9. The groundwater sampling results from 2021 are consistent with historical results. Groundwater laboratory reports for this period are in Appendix B.

5.4.1 VOCs

Four VOCs exceeded their respective Wisconsin Enforcement Standard (WES) in monitoring well samples collected during this reporting period: benzene, tetrahydrofuran, trichloroethene (TCE), 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). TCE results exceeded the WES at one location (MW-18A). Vinyl chloride results exceeded the WES at ten locations (MW-16A, MW-16B, 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 2021 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 2021 surface water and groundwater sampling activities, the following conclusions are made:

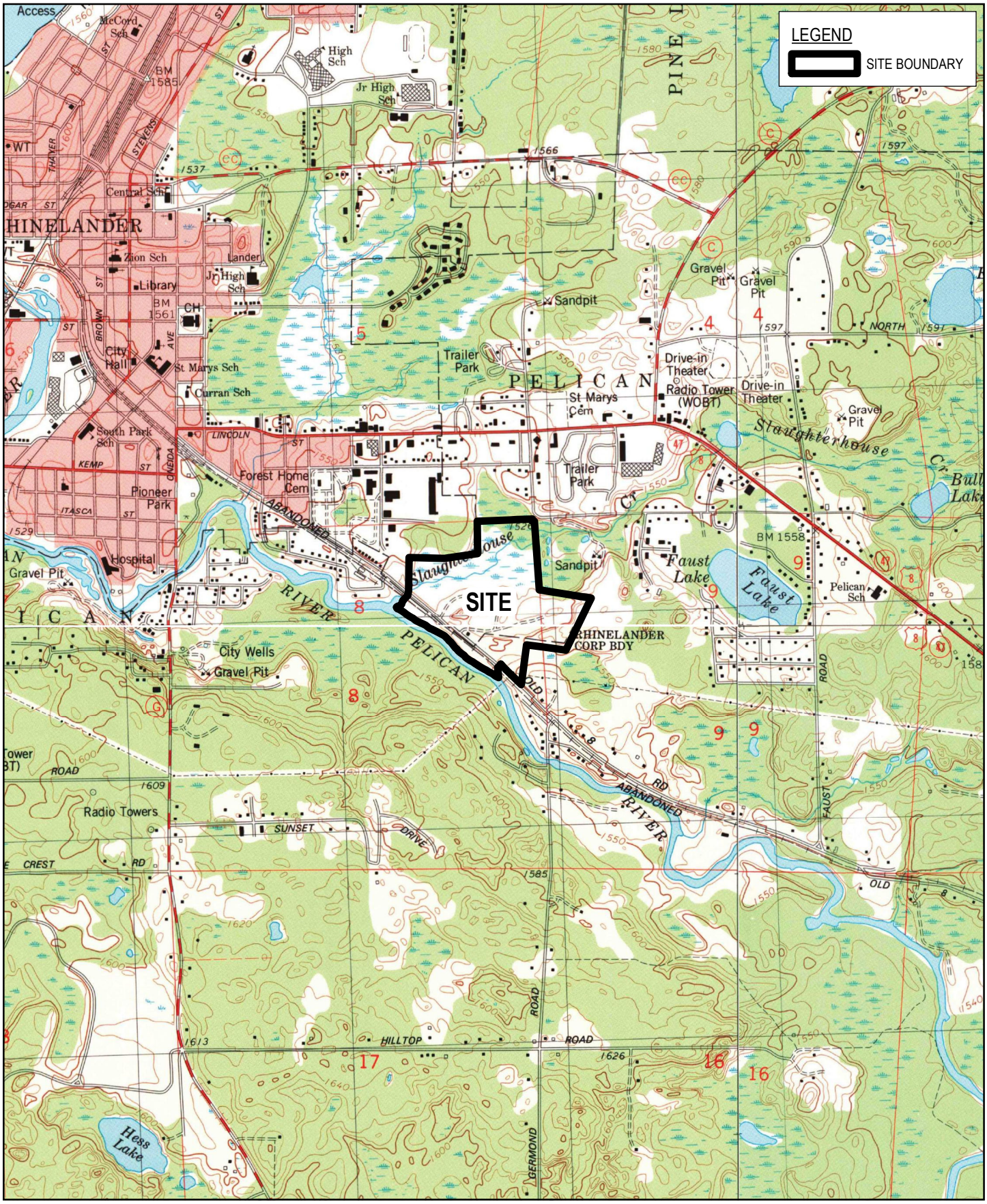
– Ammonia exceeded the NR 105 standards in the SW-28 samples from the April and October 2021 sampling events. No other sample results from the 2021 surface water sampling events indicated an exceedance of any applicable standard.
– Other typical landfill parameters (ammonia and chloride) are present 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.
- Four VOCs exceeded their respective WES in monitoring well samples collected during this reporting period: benzene, tetrahydrofuran, TCE, and vinyl chloride.
- Ammonia exceeded the WES in the monitoring well samples collected during this reporting period.
- The groundwater sampling results from 2021 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:

- Continue the semi-annual monitoring of the as outlined in Table 6.

Figures



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Feet

Map Projection: Lambert Conformal Conic
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Grid: NAD 1983 HARN WISCRS Oneida County Feet

N

GHD

FORMER CITY OF RHINELANDER LANDFILL
RHINELANDER, WISCONSIN

Project No. **11115796-50**
Revision No. **-**
Date **12/20/2021**

SITE LOCATION

FIGURE 1

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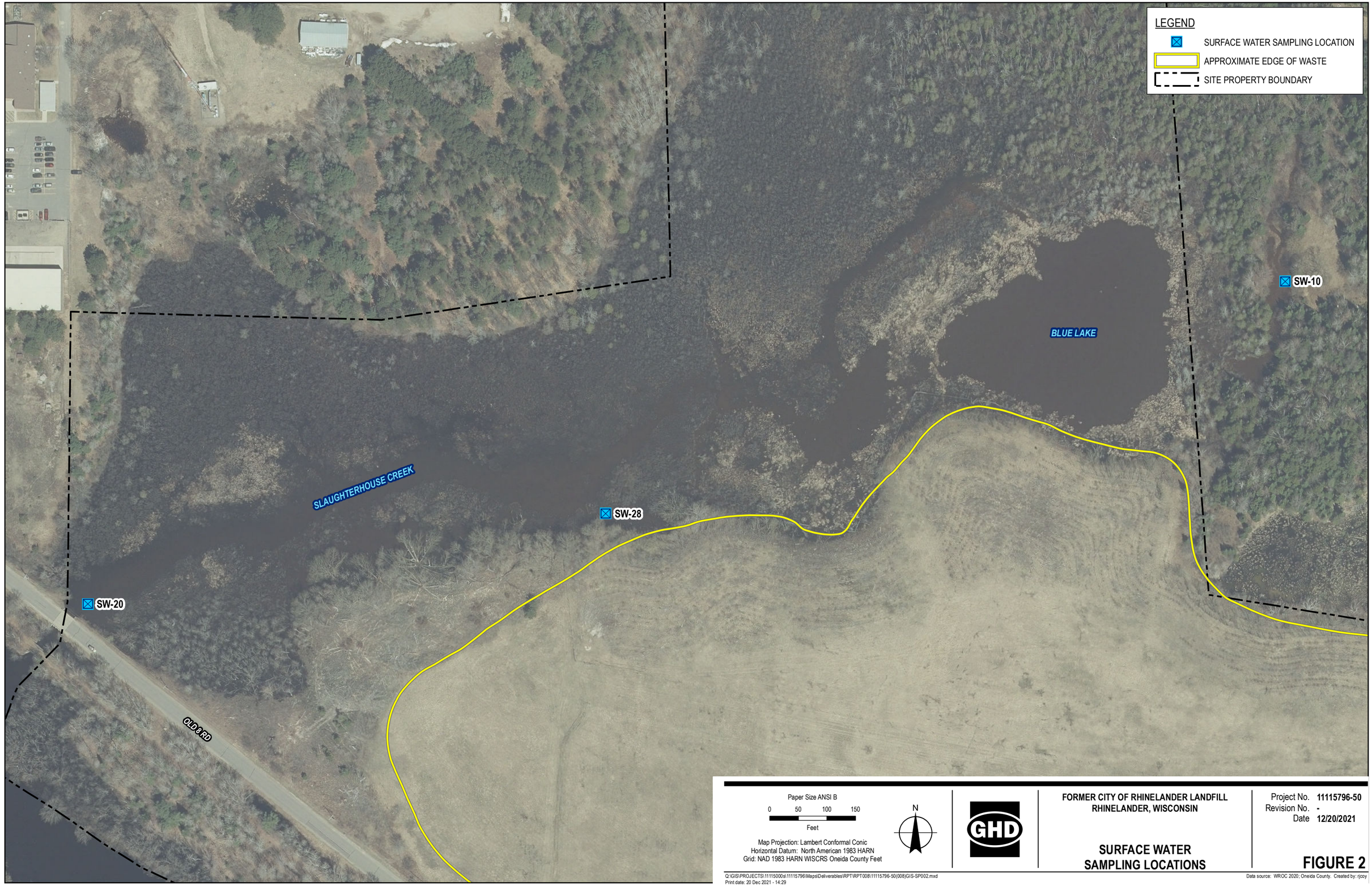

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Grid: NAD 1983 HARN WISCRS Oneida County Feet

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GHD

FORMER CITY OF RHINELANDER LANDFILL
RHINELANDER, WISCONSIN

SURFACE WATER SAMPLING LOCATIONS

Project No. **11115796-50**
Revision No. **-**
Date **12/20/2021**

FIGURE 2

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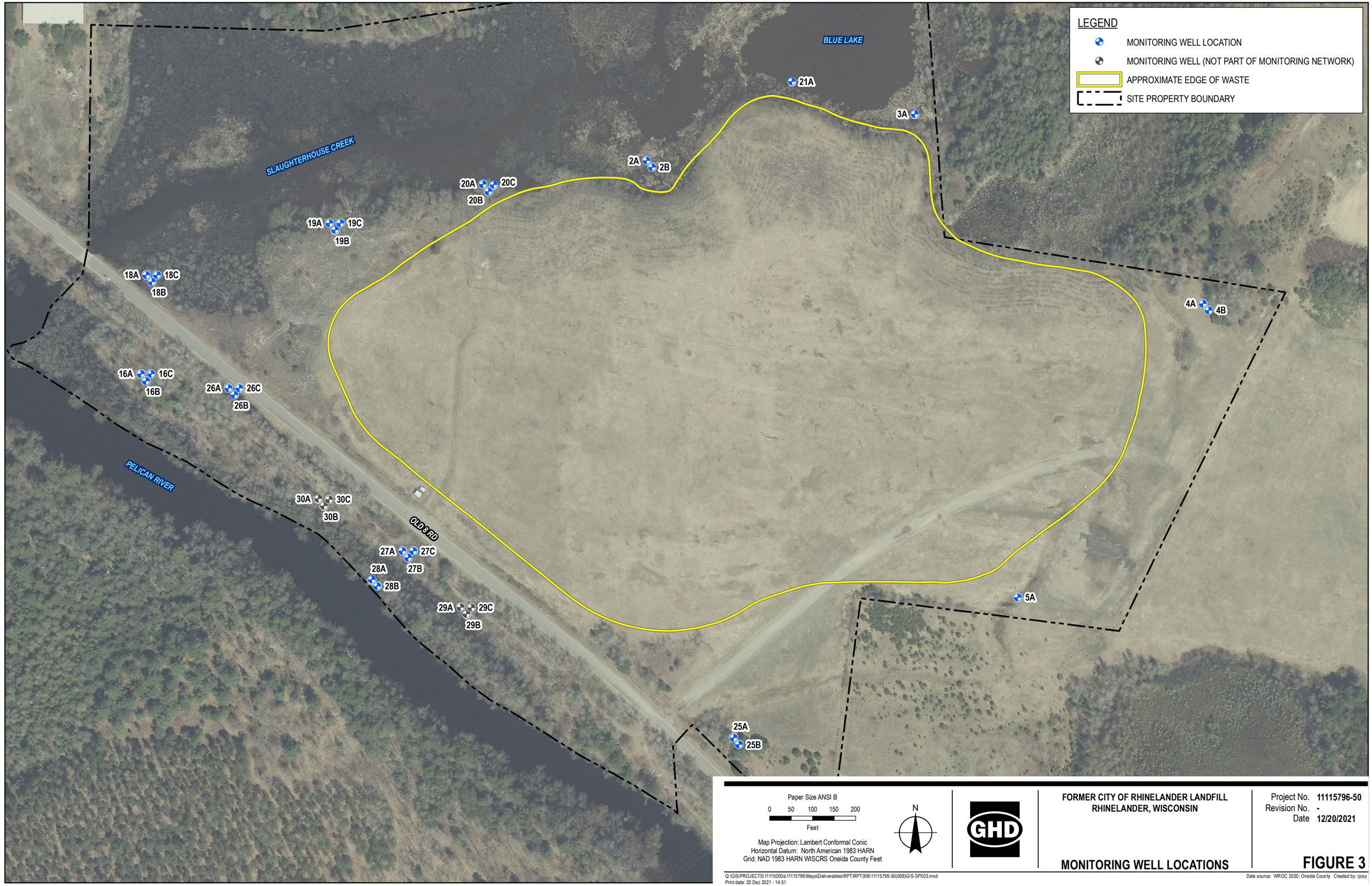

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Feet

Map Projection: Lambert Conformal Conic
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Grid: NAD 1983 HARN WISCRS Oneida County Feet

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GHD

FORMER CITY OF RHINELANDER LANDFILL
RHINELANDER, WISCONSIN

Project No. **11115796-50**
Revision No. **-**
Date **12/20/2021**

MONITORING WELL LOCATIONS

FIGURE 3

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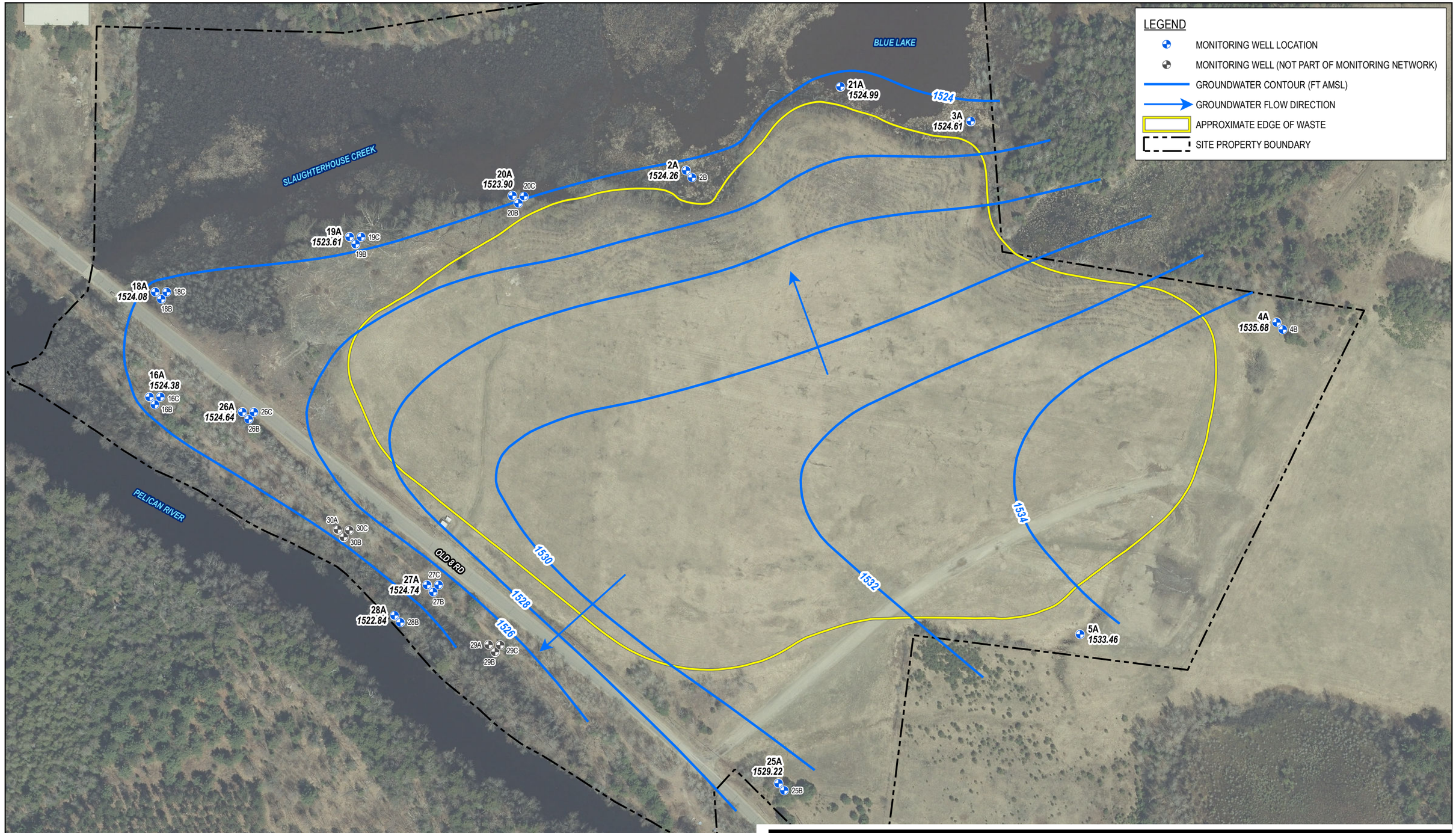

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Grid: NAD 1983 HARN WISCRS Oneida County Feet

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FORMER CITY OF RHINELANDER LANDFILL
RHINELANDER, WISCONSIN

SHALLOW GROUNDWATER CONTOURS "A" MONITORING WELLS

Project No. **11115796-50**
Revision No. **-**
Date **12/21/2021**

FIGURE 4

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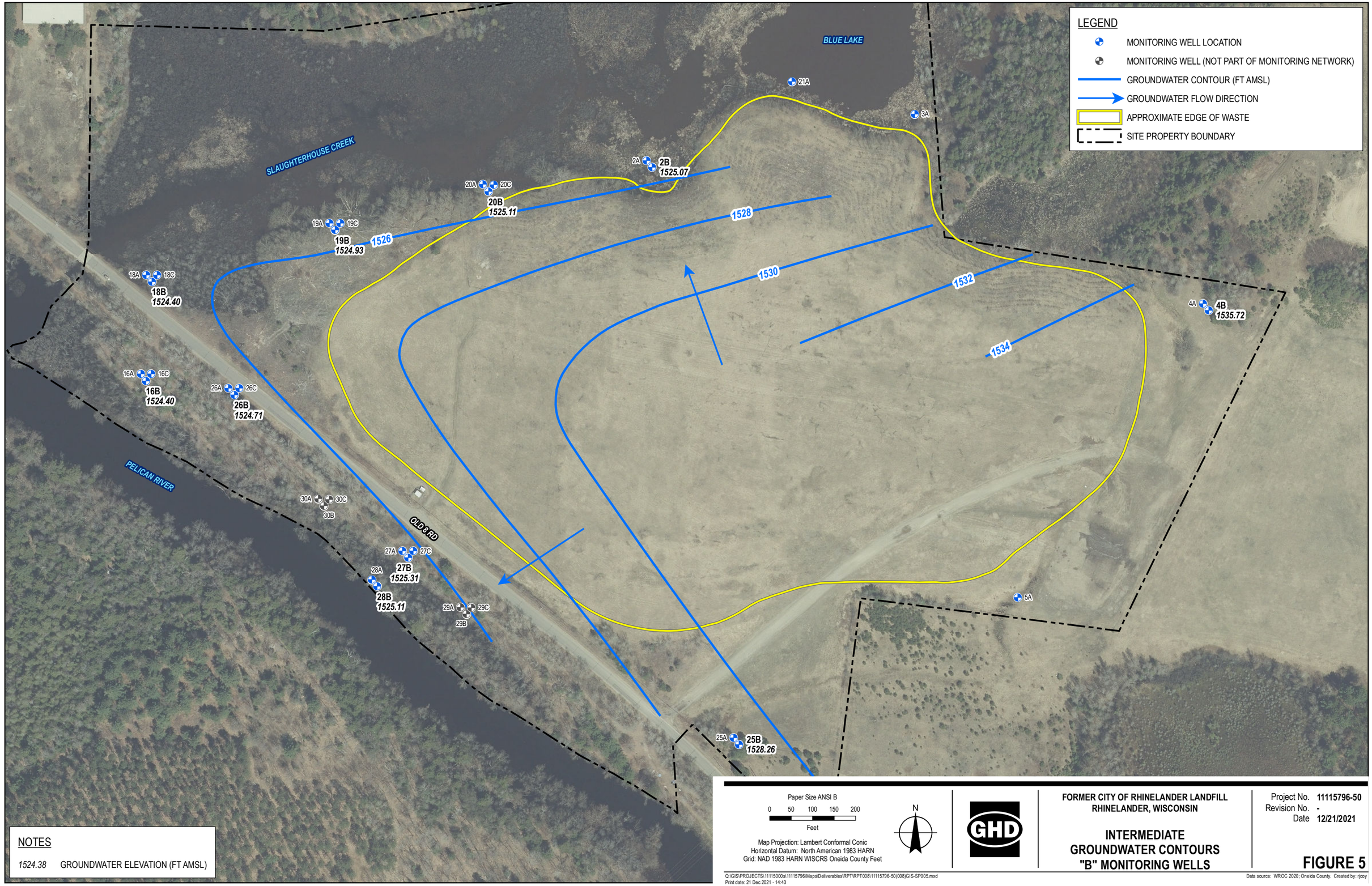

Paper Size ANSI B

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Feet

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

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GHD

FORMER CITY OF RHINELANDER LANDFILL
RHINELANDER, WISCONSIN

INTERMEDIATE GROUNDWATER CONTOURS "B" MONITORING WELLS

Project No. **11115796-50**
Revision No. **-**
Date **12/21/2021**

FIGURE 5

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Horizontal Datum: North American 1983 HARN
Grid: NAD 1983 HARN WISCRS Oneida County Feet

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FORMER CITY OF RHINELANDER LANDFILL
RHINELANDER, WISCONSIN

DEEP GROUNDWATER ELEVATIONS "C" MONITORING WELLS

Project No. **11115796-50**
Revision No. **-**
Date **12/21/2021**

FIGURE 6

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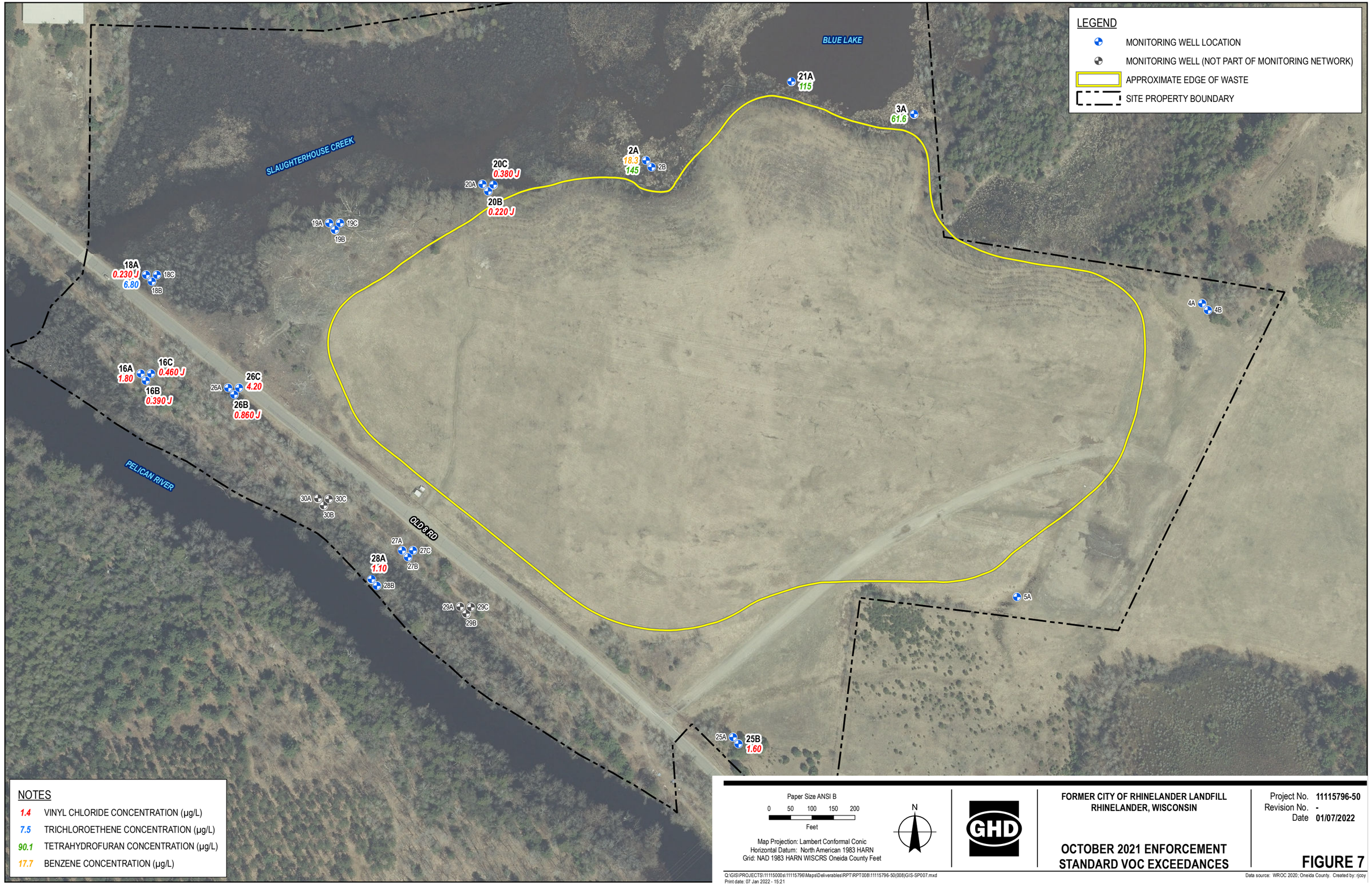
LEGEND
MONITORING WELL LOCATION
MONITORING WELL (NOT PART OF MONITORING NETWORK)
APPROXIMATE EDGE OF WASTE
SITE PROPERTY BOUNDARY
BLUE LAKE
SLAUGHTERHOUSE CREEK
PELICAN RIVER
OLD 8 RD
21A 115
3A 61.6
2A 18.3 145
2B
20C 0.380 J
20A
20B 0.220 J
19A
19C
19B
18A 0.230 J 6.80
18C
18B
16A 1.80
16C 0.460 J
16B 0.390 J
26A
26C 4.20
26B 0.860 J
30A
30C
30B
27A
27C
27B
28A 1.10
28B
29A
29C
29B
4A
4B
5A
25A
25B 1.60
NOTES
1.4 VINYL CHLORIDE CONCENTRATION (µg/L)
7.5 TRICHLOROETHENE CONCENTRATION (µg/L)
90.1 TETRAHYDROFURAN CONCENTRATION (µg/L)
17.7 BENZENE CONCENTRATION (µg/L)
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Feet
N
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Grid: NAD 1983 HARN WISCRS Oneida County Feet
GHD
FORMER CITY OF RHINELANDER LANDFILL
RHINELANDER, WISCONSIN
OCTOBER 2021 ENFORCEMENT STANDARD VOC EXCEEDANCES
Project No. 11115796-50
Revision No. -
Date 01/07/2022
FIGURE 7
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Print date: 07 Jan 2022 - 15:21
Data source: WROC 2020; Oneida County. Created by: rjcoy

Tables

Table 1

2020 Surface Water Sample Results
Former City of Rhinelander Landfill - Slaughterhouse Creek
Rhinelander, 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-210406-KJ-11	SW-28	water	04/06/2021	15:56	x	x	x	x	x	x	x	x		
W-210406-KJ-12	SW-20	water	04/06/2021	15:25	x	x	x	x	x	x	x	x		
W-210406-KJ-13	SW-10	water	04/06/2021	17:35	x	x	x	x	x	x	x	x		
W-211004-RA-100	SW-20	water	10/04/2021	15:05	x	x	x	x	x	x	x	x		
W-211004-RA-101	SW-28	water	10/04/2021	15:15	x	x	x	x	x	x	x	x		
W-211004-RA-102	SW-10	water	10/04/2021	15:30	x	x	x	x	x	x	x	x		

Notes:
VOC - Volatile Organic Compounds
Select Metals - Copper, Iron, Lead, Sodium, Zinc

Table 2

2021 Surface Water Sample Results
Former City of Rhinelander Landfill - Slaughterhouse Creek
Rhinelander, Wisconsin

		Upstream		Downstream		Near Seep	
Sample Location:		**SW-10**	**SW-10**	**SW-20**	**SW-20**	**SW-28**	**SW-28**
Sample Date:		**04/06/21**	**10/04/21**	**04/06/21**	**10/04/21**	**04/06/21**	**10/04/21**
Parameters	**Unit**						
Metals							
Hardness	mg/L	49.9	78.2	79.3	120	284	479
Copper	µg/L	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4
Iron	µg/L	9,210	4,080	3,310	3,440	10,200	59,900
Lead	µg/L	< 5.9	< 5.9	< 5.9	< 5.9	< 5.9	7.6 J
Sodium	µg/L	18,100	24,000	31,700	30,200	40,300	60,400
Zinc	µg/L	< 11.6	< 11.6	< 11.6	< 11.6	15.8 J	< 11.6
General Chemistry							
Fecal coliform bacteria	cfu/100mL	10	8.57	12.0	42	3.00 J	35.0
Ammonia	mg/L	< 0.14	< 0.14	1.3	1.4	92.2	130
Chemical oxygen demand (COD)	mg/L	23.7 J	30.5 J	19.3 J	41.5 J	165	167
Chloride	mg/L	35.1	51.7	76.9	81.7	23.5	36.0
Nitrite/Nitrate	mg/L	0.22 J	0.14 J	0.21 J	0.95	2.5	0.17 J
Total kjeldahl nitrogen (TKN)	mg/L	0.46 J	0.31 J	1.7	1.7	78.0	155
Field Data							
Temperature	º C	15.34	15.86	17.99	17.72	18.02	18.92
pH	SU	8.03	8.70	6.64	8.80	5.78	7.9
Conductivity	µS	209	286	375	470	2*	2200
Dissolved Oxygen	mg/L	12.80	7.70	7.60	6.88	8.64	3.06
Oxidation Reduction Potential	mV	-1	-54	40	-32	26	-96
Turbidity	NTU	11.0	33.7	27.2	157.0	158.0	621

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	4/6/2021	Chloride	mg/L	35.1	757	395
SW-10	10/4/2021	Chloride	mg/L	51.7	757	395
SW-20	4/6/2021	Chloride	mg/L	76.9	757	395
SW-20	10/4/2021	Chloride	mg/L	81.7	757	395
SW-28	4/6/2021	Chloride	mg/L	23.5	757	395
SW-28	10/4/2021	Chloride	mg/L	36	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	4/6/2021	Copper	µg/L	< 3.4	8.05	5.71
SW-10	10/4/2021	Copper	µg/L	< 3.4	12.30	8.39
SW-20	4/6/2021	Copper	µg/L	< 3.4	12.47	8.49
SW-20	10/4/2021	Copper	µg/L	< 3.4	18.43	12.10
SW-28	4/6/2021	Copper	µg/L	< 3.4	41.54	25.29
SW-28	10/4/2021	Copper	µg/L	< 3.4	68.03	39.55
SW-10	4/6/2021	Lead	µg/L	< 5.9	54.62	14.31
SW-10	10/4/2021	Lead	µg/L	< 5.9	84.31	22.08
SW-20	4/6/2021	Lead	µg/L	< 5.9	85.46	22.38
SW-20	10/4/2021	Lead	µg/L	< 5.9	127.52	33.40
SW-28	4/6/2021	Lead	µg/L	< 5.9	293.14	76.78
SW-28	10/4/2021	Lead	µg/L	7.6 J	485.75	127.23
SW-10	4/6/2021	Zinc	µg/L	< 11.6	65.54	65.54
SW-10	10/4/2021	Zinc	µg/L	< 11.6	97.08	97.08
SW-20	4/6/2021	Zinc	µg/L	< 11.6	98.28	98.28
SW-20	10/4/2021	Zinc	µg/L	< 11.6	141.18	141.18
SW-28	4/6/2021	Zinc	µg/L	15.8 J	299.89	299.89
SW-28	10/4/2021	Zinc	µg/L	< 11.6	473.69	473.69

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 (ºC)	pH	WWSF Table 2C Acute Calculated Standard	WWSF Table 4B 30-Day Calculated Standard	WWSF Table 4B Ammonia 4-Day Calculated Standard
SW-10	4/6/2021	Ammonia	mg/L	< 0.14	15.34	8.03	7.94	2.21	5.52
SW-10	10/4/2021	Ammonia	mg/L	< 0.14	15.86	8.70	2.20	0.71	1.78
SW-20	4/6/2021	Ammonia	mg/L	1.3	17.99	6.64	45.97	5.21	13.03
SW-20	10/4/2021	Ammonia	mg/L	1.4	17.72	8.80	1.84	0.54	1.34
SW-28	4/6/2021	Ammonia	mg/L	92.2	18.02	5.78	56.29	5.59	13.97
SW-28	10/4/2021	Ammonia	mg/L	130	18.92	7.90	10.13	2.11	5.27

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

Table 6

Current Monitoring Plan
Rhinelander Landfill
Rhinelander, Wisconsin

Sample Matrix	Field Parameters	Laboratory Parameters	Investigative Samples	QA Samples [1] Field Blanks	QA Samples [1] Field Duplicates	QA Samples [1] MS [2]	QA Samples [1] MSD [2]	Total Per Round	Current Sampling Frequency
Groundwater									
Semi-Annual Wells [3]	pH, Temperature, Conductivity, DO, Turbidity, ORP	VOCs+tetrahydrofuran, Ammonia-N[8], Kjeldahl-N[8]	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

2021 Groundwater Elevation Summary
Rhinelander Landfill
Rhinelander, Wisconsin

Monitoring Well	Top of Casing Elevation	Groundwater Elevation October 2021
MW2A	1527.01	1524.26
MW2B	1528.04	1525.07
MW3A	1527.02	1524.61
MW4A	1551.28	1535.68
MW4B	1549.99	1535.72
MW5A	1549.13	1533.46
MW16A	1533.07	1524.38
MW16B	1532.85	1524.40
MW16C	1533.09	1524.41
MW18A	1529.83	1524.08
MW18B	1529.83	1524.40
MW18C	1529.76	1524.42
MW19A	1531.91	1523.61
MW19B	1532.16	1524.93
MW19C	1532.04	1525.03
MW20A	1529.35	1523.90
MW20B	1530.56	1525.11
MW20C	1530.34	1525.19
MW21A	1528.42	1524.99
MW25A	1544.85	1529.22
MW25B	1545.18	1528.26
MW26A	1529.95	1524.64
MW26B	1529.21	1524.71
MW26C	1530.06	1524.56
MW27A	1537.44	1524.74
MW27B	1536.52	1525.31
MW27C	1536.79	1526.69
MW28A	1529.04	1522.84
MW28B	1528.33	1525.11

Notes:
All elevations in feet above mean sea level (AMSL)

Table 8

Monitoring Well Sampling Summary
2021
Rhinelander Landfill
Rhinelander, 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-16A	4/6/2021	14:59	7.40	10.92	403	-60	0.57	0.0	Clear	8.31	400	W-210406-KJ-01 W-210406-KJ-02 (Duplicate)
MW-16B	4/6/2021	14:36	7.58	9.61	558	-211	0.00	0.0	Clear	8.10	400	W-210406-KJ-03
MW-16C	4/6/2021	15:05	7.17	9.79	642	-146	0.00	0.00	Clear	8.36	400	W-210406-KJ-04 W-210406-KJ-05 (Field Blank)
MW-20C	4/6/2021	15:39	7.04	9.84	598	-138	0.00	0.0	Clear	5.03	400	W-210406-KJ-06
MW-20B	4/6/2021	15:51	7.06	9.98	499	-99	0.09	0.0	Clear	5.39	400	W-210503-KJ-07
MW-20A	4/6/2021	15:54	5.67	15.59	681	-29	0.00	0.0	Clear	5.81	200	W-210406-KJ-08
MW-2A	4/6/2021	16:44	8.86	13.81	337	-78	0.00	0.0	Clear	NA	400	W-210503-KJ-09
MW-2B	4/6/2021	16:52	7.59	9.43	1150	-94	3.96	0.0	Clear	NA	400	W-210406-KJ-10
MW-19B	10/4/2021	17:00	7.18	15.94	554	-119	0.93	63.4	Clear	7.23	500	-
MW-19C	10/4/2021	16:50	7.16	15.66	499	-115	1.45	32.6	Clear	7.01	500	-
MW-2A	10/4/2021	13:55	7.10	14.02	2075	-153	0.00	151.0	Clear	2.75	300	W-211004-RA-01
MW-2B	10/4/2021	14:05	7.95	14.56	631	-142	0.00	19.5	Clear	2.97	500	W-211004-RA-02

Table 8

Monitoring Well Sampling Summary
2021
Rhinelander Landfill
Rhinelander, 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-21A	10/4/2021	14:20	7.02	18.61	2310	-132	0.00	42.4	Clear	3.43	500	W-211004-RA-03
MW-3A	10/4/2021	9:10	NA	NA	NA	NA	NA	NA	Clear	2.41	Grab	W-211004-RA-04
MW-5A	10/4/2021	15:20	6.61	17.12	993	98	1.37	6.1	Clear	16.19	150	W-211004-RA-05 W-211004-RA-06 (Duplicate)
MW-4A	10/4/2021	15:40	6.99	15.09	334	88	2.35	0.5	Clear	15.09	350	W-211004-RA-07
MW-25B	10/4/2021	16:00	7.56	15.85	331	25	0.00	24.4	Clear	17.84	200	W-211004-RA-08
MW-16C	10/4/2021	16:25	7.46	14.99	569	-151	0.00	0.0	Clear	8.73	300	W-211004-RA-09
MW-16B	10/4/2021	16:35	7.17	12.68	581	-195	0.00	19.3	Clear	8.51	300	W-211004-RA-10
MW-16A	10/4/2021	16:40	7.46	11.72	442	-143	0.00	0.0	Clear	8.71	300	W-211004-RA-11
MW-18B	10/5/2021	8:01	7.45	10.55	633	109	0.00	0.0	Clear	5.44	300	W-211005-RA-11 W-211005-RA-15 (Field Blank)
MW-18C	10/5/2021	8:05	7.11	12.73	604	58	0.00	3.7	Clear	5.39	300	W-211005-RA-13
MW-18A	10/5/2021	8:23	7.63	12.47	614	-156	0.00	114.0	Clear	6.14	200	W-211005-RA-14
MW-20C	10/5/2021	9:54	7.21	12.28	568	-144	0.00	3.5	Clear	5.17	350	W-211005-RA-16

Table 8

Monitoring Well Sampling Summary
2021
Rhinelander Landfill
Rhinelander, 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	10/5/2021	8:50	6.83	13.04	326	-196	0.00	3.6	Clear	9.50	200	W-211005-RA-17
MW-26C	10/5/2021	8:46	7.61	12.14	416	-139	0.00	0.0	Clear	5.62	300	W-211005-RA-18
MW-20B	10/5/2021	8:31	7.38	11.20	473	-144	0.00	0.1	Clear	5.48	300	W-211005-RA-19
MW-20A	10/5/2021	9:45	6.53	14.37	1290	-122	0.00	56.8	Clear	6.20	150	W-211005-RA-20
MW-28A	10/5/2021	10:30	7.20	14.52	576	-110	0.00	3.7	Clear	6.42	300	W-211005-RA-21
MW-28B	10/5/2021	10:00	8.21	14.38	206	-219	0.00	0.9	Clear	3.22	500	-
MW-27B	10/5/2021	10:33	7.27	13.13	173	-25	0.00	1.8	Clear	NA	300	W-211005-RA-22

Table 9

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

Location	Date	QA/QC	Boron (dissolved) ug/L	Hardness, calculation mg/L	Iron (dissolved) ug/L	Manganese (dissolved) ug/L	Alkalinity, total (as CaCO3) mg/L	Ammonia mg/L	Chloride mg/L	Total kjeldahl nitrogen (TKN) mg/L	1,1-Dichloroethane ug/L	1,2,4-Trimethylbenzene ug/L	1,3,5-Trimethylbenzene ug/L	1,2-Dichlorobenzene ug/L	1,2-Dichloropropane ug/L	1,4-Dichlorobenzene ug/L	Benzene ug/L	Chlorobenzene ug/L	Chloromethane (Methyl chloride) ug/L	cis-1,2-Dichloroethene ug/L	Cymene (p-Isopropyltoluene) ug/L	Dichlorodifluoromethane (CFC-12) ug/L	Isopropyl benzene ug/L	m&p-Xylenes ug/L	o-Xylene ug/L
		WES	1000	- -	300	50	- -	9.7	250	- -	850	480		600	5	75	5	100	30	70	- -	1000	- -	2000	
		PAL	200	- -	150	25	- -	0.97	- -	- -	85	96		60	0.5	15	0.5	- -	3	7	- -	200	- -	400	
MW-2A	6/30/2016		1900	1080	64200	676	2300	287	67.5	284	< 1.23	4.2 J	3.2 J	< 5.0	< 5.0	< 5.0	34.6	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	8.5 J	< 5.0
MW-2A	6/30/2016	D	1880	1090	64300	676	2310	289	67.8	279	< 1.22	3.9 J	3.1 J	< 5.0	< 5.0	< 5.0	36.6	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0.75 J	8.5 J	< 5.0
MW-2A	10/4/2016		2120	1100	60600	716	2150	271	72.4	276	< 1.21	2.9	2.1	< 1.0	< 1.0	1.8	29.2	1.7	< 1.0	< 1.0	< 1.0	< 1.0	0.55 J	6.1	0.72 J
MW-2A	10/4/2016	D	2050	1060	57300	641	2140	277	73.3	282	< 1.20	2.9	2.2	< 1.0	< 1.0	1.8	27.4	1.8	< 1.0	< 1.0	< 1.0	< 1.0	0.58 J	6.3	0.77 J
MW-2A	4/25/2017		1600	1140	64900	647	2320	266	77.2	259	< 1.19	1.4	1.1	< 1.0	< 1.0	0.80 J	16.1	0.77 J	0.77 J	< 1.0	< 1.0	< 1.0	0.29 J	3.2	< 1.0
MW-2A	10/11/2017		1430	879	49800	1050	1720	214	58	198	< 1.18	1.9	2	< 1.0	< 1.0	1.1	18.9	0.77 J	< 1.0	< 1.0	< 1.0	< 1.0	0.35 J	2.3	< 1.0
MW-2A	4/24/2018		1670	1040	56400	722	2220	256	69.1	263	< 1.17	3.4	2.8	< 2.0	< 2.0	1.5 J	27.3	1.4 J	< 2.0	< 2.0	< 2.0	< 2.0	0.55 J	5.7	< 2.0
MW-2A	10/22/2018		2090	1040	57800	625	2340	265	71.4	259	< 1.16	3	2.0 J	< 2.4	< 1.0	1.6 J	28.5	1.6 J	< 7.3	< 1.0	< 2.7	< 5.0	0.48 J	6.1	0.58 J
MW-2A	4/30/2019		677	499	58300	760	734	96.9	44.1	96	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	13.8	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	1.5 J	< 1.0
MW-2A	9/25/2019		1320	890	36800	1060	1660	198	57	192	< 1.0 J	1.4 J-	1.0 J-	< 2.4 J	< 1.0 J	< 3.1 J	17.7	0.76 J-	< 7.3 J	< 1.0 J	< 2.7 J	< 5.0 J	< 5.0 J	2.1	0.51 J-
MW-2A	04/14/2020		--	--	--	--	--	251	--	256	< 1.0	2.7 J	2.0 J	< 2.4	< 1.0	1.4 J	28.9	1.3 J	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	4.9	0.63 J
MW-2A	10/19/2020		1180	793	34100	1150	1830	259	57.8	216	< 1.0	2.0 J	1.4 J	< 2.4	< 1.0	< 3.1	15.4	0.75 J	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	2.6	0.51 J
MW-2A	04/06/2021		--	--	--	--	--	271	--	238	< 1.0	1.7	1.1	< 1.0	< 1.0	< 1.0	16.1	< 1.0	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0	2.6	0.40 J
MW-2A	10/04/2021		--	--	--	--	--	198	--	186	< 1.0	2.0	1.4	< 1.0	< 1.0	1.1	18.3	0.96 J	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0	2.5	0.48 J
MW-2B	6/30/2016		--	179	21200	1200	226	--	28.7	--	< 1.15	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.77 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-2B	10/4/2016		--	157	20000	1210	220	--	21.4	--	< 1.14	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.52 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-2B	4/25/2017		--	187	22500	1200	227	--	31.3	--	< 1.13	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-2B	10/11/2017		145	169	21100	1350	211	--	23.7	--	< 1.12	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.74 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-2B	4/24/2018		--	142	12400	1160	168	--	17	--	< 1.11	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-2B	10/22/2018		--	139	15500	1250	193	--	17.5	--	< 1.10	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.40 J	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-2B	4/30/2019		--	182	22200	1220	214	--	28.3	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.86 J	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-2B	9/25/2019		--	208	24600	1200	209	--	37.8	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.36 J	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-2B	04/14/2020		--	--	--	--	--	--	--	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.88 J	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-2B	10/19/2020		--	194	23100	1280	238	--	38.1	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.73 J	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-2B	04/06/2021		--	--	--	--	--	--	--	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0	< 2.0	< 1.0
MW-2B	10/04/2021		--	--	--	--	--	--	--	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0	< 2.0	< 1.0
MW-3A	10/4/2016		42.7 J	396	53300	4690	807	102	30.8	93.4	< 1.9	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-3A	10/11/2017		44.3	365	48300	4750	704	86.4	28.5	75.6	< 1.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.8	< 1.0	7	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-3A	10/22/2018		--	309	47800	3800	722	67.2	27.5	64.4	< 1.7	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	2.4	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	1.6 J	< 1.0
MW-3A	10/19/2020		41.1	323	47800	4050	627	67	28.2	63	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	1.3	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	0.88 J	< 1.0
MW-3A	10/05/2021		--	--	--	--	--	56.5	--	56.9	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.2	< 1.0	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0	< 2.0	< 1.0
MW-4A	10/3/2016		14.5 J	110	< 100	< 5.0	123	--	1.2 J	--	< 1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-4A	10/10/2017		--	146	< 100	< 5.0	82.9	--	54.1	--	< 1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-4A	10/23/2018		14.2 J	116	< 118	< 5.0	101	--	25.3	--	< 1.4	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	< 1.0	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-4A	10/23/2018	D	13.7 J	116	< 118	< 5.0	105	--	25.4	--	< 1.3	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	< 1.0	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-4A	9/24/2019		16.3 J	144	< 100	< 5.0	111	--	22.4	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	< 1.0	< 2.4	2.6 J	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-4A	10/20/2020		13.8 J	118	< 100	1.6 J	96.2 J	--	23.4	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	< 1.0	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-4A	10/04/2021		--	--	--	--	--	--	--	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0	< 2.0	< 1.0

Table 9

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

Location	Date	QA/QC	Boron (dissolved) ug/L	Hardness, calculation mg/L	Iron (dissolved) ug/L	Manganese (dissolved) ug/L	Alkalinity, total (as CaCO3) mg/L	Ammonia mg/L	Chloride mg/L	Total kjeldahl nitrogen (TKN) mg/L	1,1-Dichloroethane ug/L	1,2,4-Trimethylbenzene ug/L	1,3,5-Trimethylbenzene ug/L	1,2-Dichlorobenzene ug/L	1,2-Dichloropropane ug/L	1,4-Dichlorobenzene ug/L	Benzene ug/L	Chlorobenzene ug/L	Chloromethane (Methyl chloride) ug/L	cis-1,2-Dichloroethene ug/L	Cymene (p-Isopropyltoluene) ug/L	Dichlorodifluoromethane (CFC-12) ug/L	Isopropyl benzene ug/L	m&p-Xylenes ug/L	o-Xylene ug/L
		WES	1000	- -	300	50	- -	9.7	250	- -	850	480		600	5	75	5	100	30	70	- -	1000	- -	2000	
		PAL	200	- -	150	25	- -	0.97	- -	- -	85	96		60	0.5	15	0.5	- -	3	7	- -	200	- -	400	
MW-5A	10/3/2016		13.3 J	138	< 100	89.7	54	--	134	--	< 1.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-5A	10/10/2017		--	312	< 100	609	51	--	281	--	< 1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-5A	10/23/2018		15.6 J	828	< 118	2910	39.5	--	797	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	< 1.0	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-5A	9/24/2019		18.7 J	958	56.4 J	2490	21.1 J	--	1200	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	< 1.0	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-5A	10/20/2020		11.1 J	186	< 100	1910	81.5 J	--	440	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	< 1.0	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-5A	10/04/2021		--	--	--	--	--	--	--	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0	< 2.0	< 1.0
MW-5A	10/04/2021	D	--	--	--	--	--	--	--	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0	< 2.0	< 1.0
MW-16A	6/29/2016		--	209	1320	4440	225	--	24.5	--	0.30 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.76 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-16A	10/3/2016		--	209	1550	4610	252	--	28.3	--	0.41 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.3	< 1.0	< 1.0	0.27 J	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-16A	4/24/2017		--	202	1810	3970	222	--	24.6	--	0.29 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.82 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-16A	10/10/2017		--	237	2470	5220	258	--	31	--	0.46 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-16A	4/24/2018		--	168	2550	3260	165	--	20.1	--	0.24 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.75 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-16A	10/23/2018		--	126	1480	2470	139	--	14.8	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.43 J	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-16A	4/29/2019		--	201	3690	4100	211	--	25.8	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.76 J	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-16A	9/25/2019		--	249	5310	4430	225	--	28.7	--	0.41 J	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	1.1	< 2.4	3.7 J	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-16A	9/25/2019	D	--	245	5540	4430	230	--	28.7	--	0.43 J	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	1.1	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-16A	04/14/2020		--	--	--	--	--	--	--	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.64 J	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-16A	10/19/2020		--	185	5330	3490	199	--	25.6	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.49 J	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-16A	04/06/2021		--	--	--	--	--	--	--	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.61 J	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-16A	04/06/2021	D	--	--	--	--	--	--	--	--	0.34 J	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.57 J	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-16A	10/05/2021		--	--	--	--	--	--	--	--	0.31 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.47 J	< 1.0	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0	< 2.0	< 1.0
MW-16B	6/29/2016		--	216	36200	3760	234	--	32.9	--	0.40 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-16B	10/3/2016		--	205	35500	3400	242	--	34.9	--	0.28 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.5	0.53 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-16B	10/3/2016	D	--	207	35400	3510	238	--	34.8	--	0.30 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-16B	4/24/2017		--	236	39900	3690	257	--	38.6	--	0.29 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.2	0.52 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-16B	10/10/2017		--	226	38800	4000	249	--	36.4	--	0.39 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-16B	4/24/2018		--	227	37300	3520	225	--	37.2	--	0.27 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-16B	10/23/2018		--	240	38700	4130	261	--	39.2	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	1.3	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-16B	4/29/2019		--	221	34400	3690	224	--	36.4	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	1.0 J	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-16B	4/29/2019	D	--	220	34100	3700	232	--	36.7	--	0.28 J	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	1	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-16B	9/25/2019		--	241	35600	3640	228	--	34.2	--	0.41 J	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	1.2	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-16B	04/14/2020		--	--	--	--	--	--	--	--	0.28 J	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.87 J	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-16B	10/19/2020		--	225	31100	3730	232	--	36.7	--	0.30 J	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.85 J	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-16B	04/06/2021		--	--	--	--	--	--	--	--	0.34 J	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.71 J	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-16B	10/04/2021		--	--	--	--	--	--	--	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.98 J	< 1.0	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0	< 2.0	< 1.0

Table 9

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

Location	Date	QA/QC	Boron (dissolved) ug/L	Hardness, calculation mg/L	Iron (dissolved) ug/L	Manganese (dissolved) ug/L	Alkalinity, total (as CaCO3) mg/L	Ammonia mg/L	Chloride mg/L	Total kjeldahl nitrogen (TKN) mg/L	1,1-Dichloroethane ug/L	1,2,4-Trimethylbenzene ug/L	1,3,5-Trimethylbenzene ug/L	1,2-Dichlorobenzene ug/L	1,2-Dichloropropane ug/L	1,4-Dichlorobenzene ug/L	Benzene ug/L	Chlorobenzene ug/L	Chloromethane (Methyl chloride) ug/L	cis-1,2-Dichloroethene ug/L	Cymene (p-Isopropyltoluene) ug/L	Dichlorodifluoromethane (CFC-12) ug/L	Isopropyl benzene ug/L	m&p-Xylenes ug/L	o-Xylene ug/L
		WES	1000	- -	300	50	- -	9.7	250	- -	850	480		600	5	75	5	100	30	70	- -	1000	- -	2000	
		PAL	200	- -	150	25	- -	0.97	- -	- -	85	96		60	0.5	15	0.5	- -	3	7	- -	200	- -	400	
MW-16C	6/29/2016		--	221	24400	1940	245	--	34.6	--	0.35 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.1	0.51 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-16C	10/3/2016		--	222	24800	1910	238	--	37	--	0.29 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.6	0.60 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-16C	4/24/2017		--	232	26200	2050	257	--	39.7	--	0.27 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.3	0.59 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.1 J	< 1.0
MW-16C	10/10/2017		--	233	27100	2190	256	--	38.9	--	0.30 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.3	0.56 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-16C	4/24/2018		--	232	26700	2110	237	--	41.5	--	0.24 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.3	0.64 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.4 J	< 1.0
MW-16C	10/23/2018		--	241	28000	2280	266	--	43.7	--	0.30 J	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	1.5	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	1.6 J	< 1.0
MW-16C	4/29/2019		--	232	27200	2180	232	--	43.9	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	1.2	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	0.89 J	< 1.0
MW-16C	9/25/2019		--	252	28400	2160	239	--	40.2	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	1.1	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	0.75 J	< 1.0
MW-16C	04/14/2020		--	--	--	--	--	--	--	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	1	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-16C	10/19/2020		--	228	26200	2160	237	--	44.5	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.91 J	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	0.48 J	< 1.0
MW-16C	04/06/2021		--	--	--	--	--	--	--	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.84 J	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-16C	10/04/2021		--	--	--	--	--	--	--	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.82 J	< 1.0	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0	< 2.0	< 1.0
MW-18A	10/3/2016		--	209	2290	1100	165	--	68.3	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.4	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-18A	10/9/2017		--	236	2880	1020	181	--	67.6	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.2	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-18A	10/23/2018		--	233	2050	1470	164	--	81.2	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	< 1.0	< 2.4	< 7.3	4.9	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-18A	9/25/2019		--	271	2880	1180	177	--	71.6	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	< 1.0	< 2.4	< 7.3	4.1	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-18A	10/19/2020		--	255	2410	1530	187	--	78.1	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	< 1.0	< 2.4	< 7.3	5.6	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-18A	10/05/2021		--	--	--	--	--	--	--	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	6.9	< 5.0	< 5.0	< 5.0	< 2.0	< 1.0
MW-18B	10/3/2016		--	303	< 100	1640	165	--	137	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.2	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-18B	10/9/2017		--	351	< 100	2030	201	--	157	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.57 J	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-18B	10/23/2018		--	305	38.3 J	2110	306	--	51.5	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.54 J	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-18B	9/25/2019		--	395	30.7 J	2330	216	--	147	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	< 1.0	< 2.4	< 7.3	0.83 J	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-18B	10/19/2020		--	240	< 100	1530	127	--	96	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	< 1.0	< 2.4	< 7.3	1.9	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-18B	10/05/2021		--	--	--	--	--	--	--	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.97 J	< 1.0	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0	< 2.0	< 1.0
MW-18C	10/3/2016		90.9 J	351	14.3 J	1140	214	--	161	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.40 J	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-18C	10/9/2017		--	334	< 100	1240	171	--	162	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.61 J	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-18C	10/9/2017	D	59.2	326	< 100	1220	171	--	162	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.71 J	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-18C	10/23/2018		141	315	< 118	1490	276	--	83.8	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.42 J	< 2.4	< 7.3	0.40 J	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-18C	9/25/2019		60.8	356	< 100	1460	158	--	157	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	< 1.0	< 2.4	< 7.3	1	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-18C	10/19/2020		43	243	45.3 J	1180	131	--	97.1	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	< 1.0	< 2.4	< 7.3	2.4	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-18C	10/05/2021		--	--	--	--	--	--	--	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.76 J	< 1.0	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0	< 2.0	< 1.0

Table 9

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

Location	Date	QA/QC	Boron (dissolved) ug/L	Hardness, calculation mg/L	Iron (dissolved) ug/L	Manganese (dissolved) ug/L	Alkalinity, total (as CaCO3) mg/L	Ammonia mg/L	Chloride mg/L	Total kjeldahl nitrogen (TKN) mg/L	1,1-Dichloroethane ug/L	1,2,4-Trimethylbenzene ug/L	1,3,5-Trimethylbenzene ug/L	1,2-Dichlorobenzene ug/L	1,2-Dichloropropane ug/L	1,4-Dichlorobenzene ug/L	Benzene ug/L	Chlorobenzene ug/L	Chloromethane (Methyl chloride) ug/L	cis-1,2-Dichloroethene ug/L	Cymene (p-Isopropyltoluene) ug/L	Dichlorodifluoromethane (CFC-12) ug/L	Isopropyl benzene ug/L	m&p-Xylenes ug/L	o-Xylene ug/L
		WES	1000	- -	300	50	- -	9.7	250	- -	850	480		600	5	75	5	100	30	70	- -	1000	- -	2000	
		PAL	200	- -	150	25	- -	0.97	- -	- -	85	96		60	0.5	15	0.5	- -	3	7	- -	200	- -	400	
MW-20A	6/29/2016		689	198	76500	788	385	--	14.3 J	--	< 1.0	22.9	5.2	1.2	< 1.0	2.3	1.7	6.9	< 1.0	< 1.0	0.59 J	< 1.0	4.7	82.5	3.3
MW-20A	10/3/2016		812	238	102000	1040	408	--	19.5 J	--	< 1.0	24.8	5.6	1	< 1.0	2.4	3.1	8.4	< 1.0	< 1.0	< 1.0	< 1.0	4.4	72	2.2
MW-20A	4/24/2017		428	167	71200	755	299	--	8.4 J	--	< 1.0	17.7	3.6	0.53 J	< 1.0	1.6	1.2	3.6	< 1.0	< 1.0	< 1.0	< 1.0	2.7	40.8	1.3
MW-20A	10/10/2017		782	249	114000	1130	466	--	13.1	--	< 1.0	18.8	4.1	0.79 J	< 1.0	1.5	2.1	6.8	< 1.0	< 1.0	< 1.0	< 1.0	3.3	46.5	1.0
MW-20A	4/24/2018		398	143	69400	654	253	--	8.9 J	--	< 1.0	19.7	4.6	0.63 J	< 1.0	1.6	1.0 J	5.2	< 1.0	< 1.0	0.59 J	< 1.0	3.5	50.6	1.1
MW-20A	10/23/2018		611	180	80700	712	277	--	7.8 J	--	< 1.0	23.5	4.8	0.86 J	< 1.0	1.9 J	1.9	6.2	< 7.3	< 1.0	< 2.7	< 5.0	4.0 J	56.4	1.6
MW-20A	4/30/2019		505	175	75300	848	255	--	10.8	--	< 1.0	16.7	3.1	< 2.4	< 1.0	1.6 J	1.2	4.3	< 7.3	< 1.0	< 2.7	< 5.0	3.2 J	39.4	1.0
MW-20A	9/24/2019		813	264	115000	953	446	--	11.8	--	< 1.0	23.7	4.4	0.85 J	< 1.0	2.0 J	2.2	7.2	3.4 J	< 1.0	< 2.7	< 5.0	4.3 J	53	1.6
MW-20A	04/14/2020		--	--	--	--	--	--	--	--	< 1.0	27.2	5.8	0.75 J	< 1.0	2.4 J	1.4	4.8	< 7.3	< 1.0	< 2.7	< 5.0	4.1 J	54.9	1.4
MW-20A	10/20/2020		732	255	101000	959	479 J	--	11.9	--	< 1.0	25.3	4.5	0.92 J	< 1.0	2.1 J	1.9	7.5	< 7.3	< 1.0	< 2.7	< 5.0	4.0 J	55.6	1.2
MW-20A	04/06/2021		--	--	--	--	--	--	--	--	< 1.0	24.7	5.5	0.65 J	< 1.0	1.8	1.5	5.4	< 5.0	< 1.0	< 5.0	< 5.0	3.8 J	63.8	1.5
MW-20A	10/05/2021		--	--	--	--	--	--	--	--	<1.0	29	5.3	< 1.0	< 1.0	2.7	2.3	9.3	< 5.0	< 1.0	< 5.0	< 5.0	4.7 J	59.8	1.4
MW-20B	6/29/2016		--	164	17600	1140	160	--	40.4	--	< 1.55	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.63 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-20B	10/3/2016		--	156	17300	1060	153	--	44.2	--	< 1.54	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.90 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-20B	4/24/2017		--	167	18200	1090	162	--	45.7	--	< 1.53	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.70 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-20B	10/10/2017		128	162	15700	1120	146	--	46.8	--	< 1.52	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.68 J	0.55 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-20B	4/24/2018		--	162	17600	1080	145	--	46.3	--	< 1.51	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.64 J	0.57 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-20B	10/23/2018		--	160	17700	1100	158	--	47.7	--	< 1.50	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.74 J	0.77 J	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-20B	4/30/2019		--	158	16800	1040	142	--	49.5	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.70 J	0.90 J	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-20B	9/24/2019		--	169	17900	1030	140	--	43.9	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.67 J	0.97 J	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-20B	04/14/2020		--	--	--	--	--	--	--	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.50 J	0.98 J	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-20B	10/20/2020		--	150	16200	1020	139 J	--	42.7	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.51 J	0.92 J	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-20B	04/06/2021		--	--	--	--	--	--	--	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.55 J	< 1.0	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0	< 2.0	< 1.0
MW-20B	10/05/2021		--	--	--	--	--	--	--	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.65 J	< 1.0	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0	< 2.0	< 1.0

Table 9

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

Location	Date	QA/QC	Boron (dissolved) ug/L	Hardness, calculation mg/L	Iron (dissolved) ug/L	Manganese (dissolved) ug/L	Alkalinity, total (as CaCO3) mg/L	Ammonia mg/L	Chloride mg/L	Total kjeldahl nitrogen (TKN) mg/L	1,1-Dichloroethane ug/L	1,2,4-Trimethylbenzene ug/L	1,3,5-Trimethylbenzene ug/L	1,2-Dichlorobenzene ug/L	1,2-Dichloropropane ug/L	1,4-Dichlorobenzene ug/L	Benzene ug/L	Chlorobenzene ug/L	Chloromethane (Methyl chloride) ug/L	cis-1,2-Dichloroethene ug/L	Cymene (p-Isopropyltoluene) ug/L	Dichlorodifluoromethane (CFC-12) ug/L	Isopropyl benzene ug/L	m&p-Xylenes ug/L	o-Xylene ug/L
		WES	1000	- -	300	50	- -	9.7	250	- -	850	480		600	5	75	5	100	30	70	- -	1000	- -	2000	
		PAL	200	- -	150	25	- -	0.97	- -	- -	85	96		60	0.5	15	0.5	- -	3	7	- -	200	- -	400	
MW-20C	6/29/2016		--	179	20900	1380	182	--	40	--	< 1.49	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.81 J	0.56 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-20C	10/3/2016		--	173	20800	1360	189	--	39.3	--	< 1.48	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.3	0.83 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-20C	4/24/2017		--	180	21400	1350	188	--	45.9	--	< 1.47	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.80 J	0.59 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-20C	4/24/2017	D	--	183	21600	1410	370	--	46.3	--	< 1.46	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.86 J	0.60 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-20C	10/10/2017		--	180	21300	1430	179	--	44.9	--	< 1.45	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.77 J	0.95 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-20C	4/24/2018		--	183	21500	1400	183	--	46.9	--	< 1.44	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.90 J	0.74 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-20C	10/23/2018		--	186	22000	1460	187	--	47.2	--	< 1.43	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	1	0.81 J	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-20C	4/30/2019		--	188	22200	1460	176	--	49.1	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.94 J	0.72 J	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-20C	9/24/2019		--	205	23400	1390	186	--	44.9	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.90 J	0.83 J	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-20C	04/14/2020		--	--	--	--	--	--	--	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.95 J	0.90 J	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-20C	04/14/2020	D	--	--	--	--	--	--	--	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.96 J	0.94 J	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-20C	10/20/2020		--	191	21900	1390	204 J	--	47.4	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.77 J	0.79 J	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-20C	10/20/2020	D	--	194	21900	1400	209	--	47.1	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.84 J	0.77 J	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-20C	04/06/2021		--	--	--	--	--	--	--	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.87 J	0.81 J	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-20C	10/05/2021		--	--	--	--	--	--	--	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.1	1.4	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0	< 2.0	< 1.0
MW-21A	10/4/2016		1230	627	57900	1280	1810	265	60.4	264	< 1.42	4.4	1.7	< 1.0	< 1.0	1.8	4.6	5.5	< 1.0	< 1.0	< 1.0	< 1.0	0.44 J	10.3	3.0
MW-21A	10/11/2017		1220	732	39600	1220	1820	267	56	254	< 1.41	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	5.4 J	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 20.0	< 10.0
MW-21A	10/22/2018		1110	738	57300	1200	1830	232	46.8	230	< 1.40	5	2.2 J	< 2.4	< 1.0	1.9 J	4.7	7.1	< 7.3	< 1.0	< 2.7	< 5.0	0.68 J	10.6	2.1
MW-21A	9/25/2019		1180	805	53600	1050	1710	224	46.3	212	< 1.0	3.5	1.8 J	< 2.4	< 1.0	1.9 J	4.2	6.7	< 7.3	< 1.0	< 2.7	< 5.0	0.60 J	6.8	1.7
MW-21A	10/19/2020		--	748	42600	1070	1700	201	40.1	186	< 1.0	3.8	1.9 J	< 2.4	< 1.0	1.8 J	3.8	6	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	7.6	2.0
MW-21A	10/04/2021		--	--	--	--	--	221	--	222	< 1.0	2.7	1.4	< 1.0	< 1.0	1.9	3.8	5.3	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0	5.7	1.1
MW-25B	10/4/2016		24.1 J	260	21900	594	135	--	15.1	--	< 1.39	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.53 J	< 1.0	< 2.0	< 1.0
MW-25B	10/10/2017		< 40.0	174	< 100	193	156	--	16.8	--	< 1.38	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.47 J	< 1.0	< 2.0	< 1.0
MW-25B	10/23/2018		< 40.0	166	< 118	190	163	--	16.5	--	< 1.37	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	< 1.0	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-25B	9/24/2019		11.4 J	187	73.6 J	41.4	148	--	16.8	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	< 1.0	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-25B	10/20/2020		10.2 J	216	< 100	122	221 J	--	18	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	< 1.0	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-25B	10/04/2021		--	--	--	--	--	--	--	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0	< 2.0	< 1.0

Table 9

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

Location	Date	QA/QC	Boron (dissolved) ug/L	Hardness, calculation mg/L	Iron (dissolved) ug/L	Manganese (dissolved) ug/L	Alkalinity, total (as CaCO3) mg/L	Ammonia mg/L	Chloride mg/L	Total kjeldahl nitrogen (TKN) mg/L	1,1-Dichloroethane ug/L	1,2,4-Trimethylbenzene ug/L	1,3,5-Trimethylbenzene ug/L	1,2-Dichlorobenzene ug/L	1,2-Dichloropropane ug/L	1,4-Dichlorobenzene ug/L	Benzene ug/L	Chlorobenzene ug/L	Chloromethane (Methyl chloride) ug/L	cis-1,2-Dichloroethene ug/L	Cymene (p-Isopropyltoluene) ug/L	Dichlorodifluoromethane (CFC-12) ug/L	Isopropyl benzene ug/L	m&p-Xylenes ug/L	o-Xylene ug/L
		WES	1000	- -	300	50	- -	9.7	250	- -	850	480		600	5	75	5	100	30	70	- -	1000	- -	2000	
		PAL	200	- -	150	25	- -	0.97	- -	- -	85	96		60	0.5	15	0.5	- -	3	7	- -	200	- -	400	
MW-26B	10/3/2016		--	189	54.5 J	100	178	--	12	--	< 1.36	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-26B	10/9/2017		--	197	457	666	183	--	12.4	--	< 1.35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-26B	10/23/2018		--	21.4	10700	984	40.7	--	88	--	< 1.34	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	< 1.0	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-26B	9/25/2019		--	216	1410	633	182	--	12.2	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	< 1.0	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-26B	10/19/2020		--	203	1040	650	201	--	11.9	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	< 1.0	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-26B	10/05/2021		--	--	--	--	--	--	--	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0	< 2.0	< 1.0
MW-26C	10/3/2016		--	226	1040	2720	227	--	20.8	--	< 1.33	< 1.0	< 1.0	< 1.0	0.29 J	< 1.0	0.96 J	< 1.0	< 1.0	0.70 J	< 1.0	0.36 J	< 1.0	< 2.0	< 1.0
MW-26C	10/9/2017		--	241	1050	2830	227	--	22.8	--	< 1.32	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.86 J	< 1.0	< 1.0	0.61 J	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-26C	10/23/2018		--	235	930	2600	232	--	22.8	--	< 1.31	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.95 J	< 2.4	< 7.3	0.61 J	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-26C	9/25/2019		--	256	1440	2500	216	--	22.5	--	0.80 J	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.92 J	< 2.4	< 7.3	0.47 J	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-26C	10/19/2020		--	226	946	2370	230	--	20.2	--	1	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.64 J	< 2.4	< 7.3	0.67 J	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-26C	10/05/2021		--	--	--	--	--	--	--	--	0.89 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.90 J	< 1.0	< 5.0	0.57 J	< 5.0	< 5.0	< 5.0	< 2.0	< 1.0
MW-27B	10/4/2016		--	86.5	54.6 J	155	77.3	--	4.5	--	< 1.30	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-27B	10/10/2017		--	91.8	48.3 J	179	81.8	--	4.7	--	< 1.29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-27B	10/23/2018		--	89.6	41.2 J	175	79.7	--	5	--	< 1.28	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	< 1.0	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-27B	9/25/2019		--	99.6	52.5 J	170	77.1	--	5.5	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	< 1.0	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-27B	10/20/2020		--	96.6	130	221	86.8 J	--	5.9	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	< 1.0	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	< 2.0	< 1.0
MW-27B	10/05/2021		--	--	--	--	--	--	--	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0	< 2.0	< 1.0
MW-28A	6/30/2016		283	312	5680	548	314	--	25.1	--	< 1.27	< 1.0	< 1.0	< 1.0	< 1.0	1.1	0.99 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.15 J	< 2.0	< 1.0
MW-28A	10/4/2016		70.5 J	125	7420	2220	127	--	76.7	--	< 1.26	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-28A	10/10/2017		210	245	7200	1640	298	--	22.1	--	< 1.25	< 1.0	< 1.0	< 1.0	< 1.0	0.85 J	0.64 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0
MW-28A	10/22/2018		242	298	4940	604	323	--	20.3	--	< 1.24	< 2.8	< 2.9	< 2.4	< 1.0	1.0 J	1.3	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-28A	9/25/2019		154	204	6730	1580	213	--	33.3	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.55 J	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.0	< 2.0	< 1.0
MW-28A	10/20/2020		102	197	11400	3600	227 J	--	34.6	--	< 1.0	< 2.8	< 2.9	< 2.4	< 1.0	< 3.1	0.45 J	< 2.4	< 7.3	< 1.0	< 2.7	< 5.0	< 5.6	0.80 J	< 1.0
*MW-28A	10/05/2021		--	--	--	--	--	--	--	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.88 J	< 1.0	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0	< 2.0	< 1.0

Table 9

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

Location	Date		Methylene chloride ug/L	Naphthalene ug/L	N-Butylbenzene ug/L	N-Propylbenzene ug/L	Tetrachloroethene ug/L	Tetrahydrofuran ug/L	Toluene ug/L	Trichloroethene ug/L	Vinyl chloride ug/L
		WES	5	100	- -	- -	5	50	800	5	0.2
		PAL	0.5	10	- -	- -	0.5	10	160	0.5	0.02
		QA/QC									
MW-2A	6/30/2016		< 5.0	< 25.0	< 5.0	< 5.0	< 5.0	210	< 5.0	< 5.0	< 5.0
MW-2A	6/30/2016	D	< 5.0	< 25.0	< 5.0	< 5.0	< 5.0	202	< 5.0	< 5.0	< 5.0
MW-2A	10/4/2016		< 1.0	4.4 J	< 1.0	0.67 J	< 1.0	239	0.53 J	< 1.0	< 1.0
MW-2A	10/4/2016	D	< 1.0	4.7 J	< 1.0	0.68 J	< 1.0	217	< 1.0	< 1.0	< 1.0
MW-2A	4/25/2017		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	184	< 1.0	< 1.0	< 1.0
MW-2A	10/11/2017		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	133	< 1.0	< 1.0	< 1.0
MW-2A	4/24/2018		< 2.0	< 10.0	< 2.0	< 2.0	< 2.0	185	< 2.0	< 2.0	< 2.0
MW-2A	10/22/2018		< 5.0	4.2 J	< 2.4	< 5.0	< 1.1	216	0.32 J	< 1.0	< 1.0
MW-2A	4/30/2019		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	85.9	0.19 J	< 1.0	< 1.0
MW-2A	9/25/2019		< 5.0 J	3.9 J-	< 2.4 J	< 5.0 J	< 1.1 J	157	0.35 J-	< 1.0 J	< 1.0 J
MW-2A	04/14/2020		< 5.0	5.6	< 2.4	< 5.0	< 1.1	204	0.37 J	< 1.0	< 1.0
MW-2A	10/19/2020		< 5.0	4.7 J	< 2.4	< 5.0	< 1.1	118	0.30 J	< 1.0	< 1.0
MW-2A	04/06/2021		< 5.0	5.5	< 1.0	< 1.0	< 1.0	172	< 1.0	< 1.0	< 1.0
MW-2A	10/04/2021		< 5.0	5.3	< 1.0	0.36 J	< 1.0	145	0.32 J	< 1.0	< 1.0
MW-2B	6/30/2016		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	17.2	< 1.0	< 1.0	0.59 J
MW-2B	10/4/2016		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	14.5	< 1.0	< 1.0	< 1.0
MW-2B	4/25/2017		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	19	< 1.0	< 1.0	0.40 J
MW-2B	10/11/2017		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	10.6	< 1.0	< 1.0	< 1.0
MW-2B	4/24/2018		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	7.3	< 1.0	< 1.0	< 1.0
MW-2B	10/22/2018		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	8.9 J	< 5.0	< 1.0	< 1.0
MW-2B	4/30/2019		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	16.0 J	< 5.0	< 1.0	0.42 J
MW-2B	9/25/2019		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	9.3 J	< 5.0	< 1.0	< 1.0
MW-2B	04/14/2020		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	17.4 J	< 0.90	< 1.0	0.64 J
MW-2B	10/19/2020		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	13.2 J	< 1.0	< 1.0	< 1.0
MW-2B	04/06/2021		< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	6.4 J	< 1.0	< 1.0	< 1.0
MW-2B	10/04/2021		< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	5.4 J	< 1.0	< 1.0	< 1.0
MW-3A	10/4/2016		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	177	< 1.0	< 1.0	0.22 J
MW-3A	10/11/2017		1	< 5.0	< 1.0	< 1.0	< 1.0	82.7	< 1.0	< 1.0	< 1.0
MW-3A	10/22/2018		< 5.0	1.2 J	< 2.4	< 5.0	< 1.1	90.1	0.19 J	< 1.0	< 1.0
MW-3A	10/19/2020		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	72.7	< 1.0	< 1.0	< 1.0
MW-3A	10/05/2021		< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	61.6	< 1.0	< 1.0	< 1.0
MW-4A	10/3/2016		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
MW-4A	10/10/2017		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
MW-4A	10/23/2018		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 5.0	< 1.0	< 1.0
MW-4A	10/23/2018	D	< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 5.0	< 1.0	< 1.0
MW-4A	9/24/2019		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 5.0	< 1.0	< 1.0
MW-4A	10/20/2020		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 1.0	< 1.0	< 1.0
MW-4A	10/04/2021		< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 25.0	< 1.0	< 1.0	< 1.0

Table 9

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

Location	Date		Methylene chloride	Naphthalene	N-Butylbenzene	N-Propylbenzene	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Vinyl chloride
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
		WES	5	100	- -	- -	5	50	800	5	0.2
		PAL	0.5	10	- -	- -	0.5	10	160	0.5	0.02
		QA/QC									
MW-5A	10/3/2016		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
MW-5A	10/10/2017		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
MW-5A	10/23/2018		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 5.0	< 1.0	< 1.0
MW-5A	9/24/2019		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 5.0	< 1.0	< 1.0
MW-5A	10/20/2020		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 1.0	< 1.0	< 1.0
MW-5A	10/04/2021		< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 25.0	< 1.0	< 1.0	< 1.0
MW-5A	10/04/2021	D	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 25.0	< 1.0	< 1.0	< 1.0
MW-16A	6/29/2016		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	1.2
MW-16A	10/3/2016		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	2
MW-16A	4/24/2017		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	0.71 J
MW-16A	10/10/2017		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	1.1
MW-16A	4/24/2018		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	0.34 J
MW-16A	10/23/2018		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 5.0	< 1.0	0.27 J
MW-16A	4/29/2019		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 5.0	< 1.0	< 1.0
MW-16A	9/25/2019		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 5.0	< 1.0	1.1
MW-16A	9/25/2019	D	< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 5.0	< 1.0	1.1
MW-16A	04/14/2020		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 0.90	< 1.0	0.19 J
MW-16A	10/19/2020		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 1.0	< 1.0	1.1
MW-16A	04/06/2021		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 1.0	< 1.0	0.82 J
MW-16A	04/06/2021	D	< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 1.0	< 1.0	0.83 J
MW-16A	10/05/2021		< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 25.0	< 1.0	< 1.0	1.8
MW-16B	6/29/2016		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	4.6 J	< 1.0	< 1.0	0.59 J
MW-16B	10/3/2016		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	7	< 1.0	< 1.0	0.57 J
MW-16B	10/3/2016	D	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	6.9	< 1.0	< 1.0	0.56 J
MW-16B	4/24/2017		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	11.5	< 1.0	< 1.0	< 1.0
MW-16B	10/10/2017		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	7.6	< 1.0	< 1.0	0.24 J
MW-16B	4/24/2018		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	7.2	< 1.0	< 1.0	< 1.0
MW-16B	10/23/2018		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	8.3 J	< 5.0	< 1.0	< 1.0
MW-16B	4/29/2019		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 5.0	< 1.0	0.24 J
MW-16B	4/29/2019	D	< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 5.0	< 1.0	0.22 J
MW-16B	9/25/2019		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	2.8 J	< 5.0	< 1.0	0.27 J
MW-16B	04/14/2020		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 0.90	< 1.0	0.64 J
MW-16B	10/19/2020		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 1.0	< 1.0	0.28 J
MW-16B	04/06/2021		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 1.0	< 1.0	0.71 J
MW-16B	10/04/2021		< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 25.0	< 1.0	< 1.0	0.39 J

Table 9

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

Location	Date		Methylene chloride	Naphthalene	N-Butylbenzene	N-Propylbenzene	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Vinyl chloride
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
		WES	5	100	- -	- -	5	50	800	5	0.2
		PAL	0.5	10	- -	- -	0.5	10	160	0.5	0.02
		QA/QC									
MW-16C	6/29/2016		< 1.0	2.6 J	< 1.0	< 1.0	< 1.0	11.9	< 1.0	< 1.0	0.39 J
MW-16C	10/3/2016		< 1.0	3.1 J	< 1.0	< 1.0	< 1.0	18.2	< 1.0	< 1.0	0.34 J
MW-16C	4/24/2017		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	15.9	< 1.0	< 1.0	0.24 J
MW-16C	10/10/2017		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	12.9	< 1.0	< 1.0	0.22 J
MW-16C	4/24/2018		< 1.0	3.3 J	< 1.0	< 1.0	< 1.0	15.6	< 1.0	< 1.0	0.29 J
MW-16C	10/23/2018		< 5.0	4.5 J	< 2.4	< 5.0	< 1.1	16.6 J	< 5.0	< 1.0	0.35 J
MW-16C	4/29/2019		< 5.0	1.8 J	< 2.4	< 5.0	< 1.1	9.0 J	< 5.0	< 1.0	0.26 J
MW-16C	9/25/2019		< 5.0	3.6 J	< 2.4	< 5.0	< 1.1	8.2 J	< 5.0	< 1.0	0.29 J
MW-16C	04/14/2020		< 5.0	1.5 J	< 2.4	< 5.0	< 1.1	< 20.0	< 0.90	< 1.0	0.37 J
MW-16C	10/19/2020		< 5.0	2.1 J	< 2.4	< 5.0	< 1.1	3.1 J	< 1.0	< 1.0	0.36 J
MW-16C	04/06/2021		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	2.5 J	< 1.0	< 1.0	0.61 J
MW-16C	10/04/2021		< 5.0	2.3 J	< 1.0	< 1.0	< 1.0	< 25.0	< 1.0	< 1.0	0.46 J
MW-18A	10/3/2016		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	0.94 J	0.27 J
MW-18A	10/9/2017		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	1.7	0.36 J
MW-18A	10/23/2018		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 5.0	3.9	0.22 J
MW-18A	9/25/2019		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 5.0	3.7	0.31 J
MW-18A	10/19/2020		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 1.0	6.2	0.19 J
MW-18A	10/05/2021		< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 25.0	< 1.0	6.8	0.23 J
MW-18B	10/3/2016		< 1.0	< 5.0	< 1.0	< 1.0	0.86 J	< 5.0	< 1.0	22.1	< 1.0
MW-18B	10/9/2017		< 1.0	< 5.0	< 1.0	< 1.0	1.1	< 5.0	< 1.0	10.7	< 1.0
MW-18B	10/23/2018		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	4.0 J	< 5.0	2.2	< 1.0
MW-18B	9/25/2019		< 5.0	< 5.0	< 2.4	< 5.0	0.72 J	< 20.0	< 5.0	7.5	< 1.0
MW-18B	10/19/2020		< 5.0	< 5.0	< 2.4	< 5.0	1.1 J	< 20.0	< 1.0	27.8	< 1.0
MW-18B	10/05/2021		< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 25.0	< 1.0	0.84 J	< 1.0
MW-18C	10/3/2016		< 1.0	< 5.0	< 1.0	< 1.0	0.61 J	< 5.0	< 1.0	5.2	0.23 J
MW-18C	10/9/2017		< 1.0	< 5.0	< 1.0	< 1.0	1.3	< 5.0	< 1.0	13.7	< 1.0
MW-18C	10/9/2017	D	< 1.0	< 5.0	< 1.0	< 1.0	1.2	< 5.0	< 1.0	15.1	< 1.0
MW-18C	10/23/2018		< 5.0	< 5.0	< 2.4	< 5.0	0.35 J	3.1 J	< 5.0	6.1	< 1.0
MW-18C	9/25/2019		< 5.0	< 5.0	< 2.4	< 5.0	0.84 J	< 20.0	< 5.0	16.7	< 1.0
MW-18C	10/19/2020		< 5.0	< 5.0	< 2.4	< 5.0	0.79 J	< 20.0	< 1.0	23.3	< 1.0
MW-18C	10/05/2021		< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 25.0	< 1.0	0.61 J	< 1.0

Table 9

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

Location	Date	WES / PAL / QA/QC	Methylene chloride ug/L	Naphthalene ug/L	N-Butylbenzene ug/L	N-Propylbenzene ug/L	Tetrachloroethene ug/L	Tetrahydrofuran ug/L	Toluene ug/L	Trichloroethene ug/L	Vinyl chloride ug/L
		WES	5	100	- -	- -	5	50	800	5	0.2
		PAL	0.5	10	- -	- -	0.5	10	160	0.5	0.02
MW-20A	6/29/2016		< 1.0	19.5	1.4	3.5	< 1.0	10.7	< 1.0	< 1.0	< 1.0
MW-20A	10/3/2016		< 1.0	21	1.6	3.6	< 1.0	18.7	< 1.0	< 1.0	< 1.0
MW-20A	4/24/2017		< 1.0	11	< 1.0	2.1	< 1.0	6.8	< 1.0	< 1.0	< 1.0
MW-20A	10/10/2017		< 1.0	12.9	< 1.0	2.3	< 1.0	9.6	< 1.0	< 1.0	< 1.0
MW-20A	4/24/2018		< 1.0	12.5	1.4	2.4	< 1.0	7.5	< 1.0	< 1.0	< 1.0
MW-20A	10/23/2018		< 5.0	18	< 2.4	3.0 J	< 1.1	8.7 J	0.38 J	< 1.0	< 1.0
MW-20A	4/30/2019		< 5.0	10.7	1.0 J	2.2 J	< 1.1	6.8 J	0.18 J	< 1.0	< 1.0
MW-20A	9/24/2019		< 5.0	18.3	< 2.4	2.9 J	< 1.1	12.4 J	0.35 J	< 1.0	< 1.0
MW-20A	04/14/2020		< 5.0	16	1.9 J	3.6 J	< 1.1	6.9 J	< 0.90	< 1.0	< 1.0
MW-20A	10/20/2020		< 5.0	18	< 2.4	2.9 J	< 1.1	7.0 J	0.32 J	< 1.0	< 1.0
MW-20A	04/06/2021		< 5.0	14.7	< 1.0	2.8	< 1.0	8.1 J	< 1.0	< 1.0	< 1.0
MW-20A	10/05/2021		< 5.0	23.4	< 1.0	3.8	< 1.0	19.6 J	0.32 J	< 1.0	< 1.0
MW-20B	6/29/2016		< 1.0	15.4	< 1.0	< 1.0	< 1.0	12.2	< 1.0	< 1.0	0.76 J
MW-20B	10/3/2016		< 1.0	11.9	< 1.0	< 1.0	< 1.0	14.5	< 1.0	< 1.0	0.69 J
MW-20B	4/24/2017		< 1.0	11.6	< 1.0	< 1.0	< 1.0	14.5	< 1.0	< 1.0	0.54 J
MW-20B	10/10/2017		< 1.0	6.9	< 1.0	< 1.0	< 1.0	5.9	< 1.0	< 1.0	< 1.0
MW-20B	4/24/2018		< 1.0	10.6	< 1.0	< 1.0	< 1.0	15.2	< 1.0	< 1.0	0.48 J
MW-20B	10/23/2018		< 5.0	12.3	< 2.4	< 5.0	< 1.1	11.0 J	< 5.0	< 1.0	0.43 J
MW-20B	4/30/2019		< 5.0	6.7	< 2.4	< 5.0	< 1.1	8.0 J	< 5.0	< 1.0	0.25 J
MW-20B	9/24/2019		< 5.0	6.4	< 2.4	< 5.0	< 1.1	5.4 J	< 5.0	< 1.0	0.19 J
MW-20B	04/14/2020		< 5.0	4.8 J	< 2.4	< 5.0	< 1.1	4.5 J	< 0.90	< 1.0	0.30 J
MW-20B	10/20/2020		< 5.0	3.6 J	< 2.4	< 5.0	< 1.1	3.6 J	< 1.0	< 1.0	0.21 J
MW-20B	04/06/2021		< 5.0	3.2 J	< 1.0	< 1.0	< 1.0	4.6 J	< 1.0	< 1.0	0.18 J
MW-20B	10/05/2021		< 5.0	3.5 J	< 1.0	< 1.0	< 1.0	8.2 J	< 1.0	< 1.0	0.22 J

Table 9

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

Location	Date		Methylene chloride ug/L	Naphthalene ug/L	N-Butylbenzene ug/L	N-Propylbenzene ug/L	Tetrachloroethene ug/L	Tetrahydrofuran ug/L	Toluene ug/L	Trichloroethene ug/L	Vinyl chloride ug/L
		WES	5	100	- -	- -	5	50	800	5	0.2
		PAL	0.5	10	- -	- -	0.5	10	160	0.5	0.02
		QA/QC									
MW-20C	6/29/2016		< 1.0	8.3	< 1.0	< 1.0	< 1.0	8.1	< 1.0	< 1.0	1.1
MW-20C	10/3/2016		< 1.0	6.2	< 1.0	< 1.0	< 1.0	12.2	< 1.0	< 1.0	1.2
MW-20C	4/24/2017		< 1.0	6.7	< 1.0	< 1.0	< 1.0	7.1	< 1.0	< 1.0	0.84 J
MW-20C	4/24/2017	D	< 1.0	6.7	< 1.0	< 1.0	< 1.0	7.5	< 1.0	< 1.0	0.81 J
MW-20C	10/10/2017		< 1.0	5.6	< 1.0	< 1.0	< 1.0	6.4	< 1.0	< 1.0	< 1.0
MW-20C	4/24/2018		< 1.0	8.9	< 1.0	< 1.0	< 1.0	14.1	< 1.0	< 1.0	0.78 J
MW-20C	10/23/2018		< 5.0	7.7	< 2.4	< 5.0	< 1.1	10.6 J	< 5.0	< 1.0	0.84 J
MW-20C	4/30/2019		< 5.0	5.1	< 2.4	< 5.0	< 1.1	12.3 J	< 5.0	< 1.0	0.80 J
MW-20C	9/24/2019		< 5.0	5.5	< 2.4	< 5.0	< 1.1	11.5 J	< 5.0	< 1.0	0.64 J
MW-20C	04/14/2020		< 5.0	5.1	< 2.4	< 5.0	< 1.1	8.4 J	< 0.90	< 1.0	0.53 J
MW-20C	04/14/2020	D	< 5.0	5.6	< 2.4	< 5.0	< 1.1	7.2 J	< 0.90	< 1.0	0.49 J
MW-20C	10/20/2020		< 5.0	4.6 J	< 2.4	< 5.0	< 1.1	< 20.0	< 1.0	< 1.0	0.41 J
MW-20C	10/20/2020	D	< 5.0	4.2 J	< 2.4	< 5.0	< 1.1	< 20.0	< 1.0	< 1.0	0.41 J
MW-20C	04/06/2021		< 5.0	4.9 J	< 2.4	< 5.0	< 1.1	2.9 J	< 1.0	< 1.0	0.32 J
MW-20C	10/05/2021		< 5.0	4.8 J	< 1.0	< 1.0	< 1.0	3.7 J	< 1.0	< 1.0	0.38 J
MW-21A	10/4/2016		< 1.0	5.8	< 1.0	0.67 J	< 1.0	285	0.82 J	< 1.0	< 1.0
MW-21A	10/11/2017		< 10.0	< 50.0	< 10.0	< 10.0	< 10.0	189	< 10.0	5.4 J	< 10.0
MW-21A	10/22/2018		< 5.0	14	< 2.4	0.86 J	< 1.1	130	0.71 J	< 1.0	< 1.0
MW-21A	9/25/2019		< 5.0	8.2	< 2.4	0.93 J	< 1.1	208	0.65 J	< 1.0	< 1.0
MW-21A	10/19/2020		< 5.0	8.7	< 2.4	0.95 J	< 1.1	194	0.42 J	< 1.0	< 1.0
MW-21A	10/04/2021		< 5.0	5.2	< 1.0	0.84 J	< 1.0	115	0.63 J	< 1.0	< 1.0
MW-25B	10/4/2016		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	0.83 J
MW-25B	10/10/2017		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	1.4
MW-25B	10/23/2018		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 5.0	< 1.0	1.6
MW-25B	9/24/2019		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 5.0	< 1.0	1.4
MW-25B	10/20/2020		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 1.0	< 1.0	1.7
MW-25B	10/04/2021		< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 25.0	< 1.0	< 1.0	1.6

Table 9

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

Location	Date		Methylene chloride	Naphthalene	N-Butylbenzene	N-Propylbenzene	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Vinyl chloride
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
		WES	5	100	- -	- -	5	50	800	5	0.2
		PAL	0.5	10	- -	- -	0.5	10	160	0.5	0.02
MW-26B	10/3/2016		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
MW-26B	10/9/2017		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
MW-26B	10/23/2018		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 5.0	< 1.0	< 1.0
MW-26B	9/25/2019		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	2.9 J	< 5.0	< 1.0	0.52 J
MW-26B	10/19/2020		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	2.8 J	< 1.0	< 1.0	0.41 J
MW-26B	10/05/2021		< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	3.6 J	< 1.0	< 1.0	0.86 J
MW-26C	10/3/2016		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	4.6
MW-26C	10/9/2017		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	4.8
MW-26C	10/23/2018		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 5.0	< 1.0	5.1
MW-26C	9/25/2019		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	16.3 J	< 5.0	< 1.0	3.7
MW-26C	10/19/2020		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 1.0	< 1.0	3.4
MW-26C	10/05/2021		< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	39.9	< 1.0	< 1.0	4.2
MW-27B	10/4/2016		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
MW-27B	10/10/2017		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
MW-27B	10/23/2018		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 5.0	< 1.0	< 1.0
MW-27B	9/25/2019		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 5.0	< 1.0	< 1.0
MW-27B	10/20/2020		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 1.0	< 1.0	< 1.0
MW-27B	10/05/2021		< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	3.6 J	< 1.0	< 1.0	< 1.0
MW-28A	6/30/2016		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	59.3	< 1.0	< 1.0	2.4
MW-28A	10/4/2016		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	11.3	< 1.0	< 1.0	< 1.0
MW-28A	10/10/2017		< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	19	< 1.0	< 1.0	1.5
MW-28A	10/22/2018		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	29.4	< 5.0	< 1.0	1
MW-28A	9/25/2019		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	10.1 J	< 5.0	< 1.0	0.84 J
MW-28A	10/20/2020		< 5.0	< 5.0	< 2.4	< 5.0	< 1.1	< 20.0	< 1.0	< 1.0	0.51 J
*MW-28A	10/05/2021		< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	14.0 J	< 1.0	< 1.0	1.1

Notes:
WES - Wisconsin Enforcement Standard
PAL - Preventative Action Limit
[ ] - Outlined cells exceed WES
ug/L - Micograms 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).

Appendices

Appendix A

Surface Water Sampling Laboratory Reports and Data Validation

Memorandum

May 17, 2021

To	Ryan Aamot, GHD		
From	Grant Anderson/mk/01	**Tel**	612-524-6836
Subject	Analytical Results and Reduced Validation April 2021 Groundwater and Surface Water Sampling Event Rhinelander Landfill Site – Rhinelander, Wisconsin	**Project no.**	11115796

1. Introduction

The following document details a reduced validation of analytical results for groundwater and surface water samples collected in support of the monitoring event at the Rhinelander Landfill Site in Rhinelander, Wisconsin during April 2021. Samples were submitted to Pace Analytical Services, Inc. (Pace), located in Green Bay, Wisconsin. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Tables 2A and 2B. A summary of the analytical methodology is presented in Table 3.

Standard GHD Services, Inc. (GHD) report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody forms, finished report forms, method blank data, recovery data from surrogate spikes/laboratory control samples (LCS)/matrix spike samples (MS), and field QA/QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 3 and applicable guidance from the documents entitled:

i. “National Functional Guidelines for Inorganic Superfund Methods Data Review”, EPA-540-R-2017-001, January 2017.

ii. “National Functional Guidelines for Organic Superfund Methods Data Review”, EPA-540-R-2017-002, January 2017.

Items i) and ii) will subsequently be referred to as the "Guidelines" in this Memorandum.

2. Sample Holding Time and Preservation

The sample holding time criteria and sample preservation requirements for the analyses are summarized in Table 3. The sample chain of custody documents and analytical reports were used to determine sample holding times. With the exception of fecal coliform bacteria analyses, all samples were analyzed within the required holding times. Table 4 lists the holding time exceedances. Associated sample data are qualified as noted in the table.

All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

3. Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

Laboratory method blanks were analyzed at a minimum frequency of one per 20 investigative samples and/or one per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

4. Surrogate Spike Recoveries

In accordance with the methods employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for volatile organic compound (VOC) determinations were spiked with the appropriate number of surrogate compounds prior to sample analysis.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries were within the laboratory control limits.

5. Laboratory Control Sample (LCS) Analyses

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects.

LCS were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

Organic Analyses

The LCS contained all compounds of interest. All LCS recoveries were within the laboratory control limits, demonstrating acceptable analytical accuracy.

Inorganic Analyses

The LCS contained all analytes of interest. LCS recoveries were assessed per the "Guidelines". All LCS recoveries were within the control limits, demonstrating acceptable analytical accuracy.

6. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

To evaluate the effects of sample matrices on the preparation process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The relative percent difference (RPD) between the MS and MSD is used to assess analytical precision.

The laboratory performed site-specific MS/MSD analyses internally.

Organic Analyses

The MS/MSD samples were spiked with all compounds of interest. All percent recoveries and RPD values were within the acceptance criteria, demonstrating acceptable analytical accuracy and precision.

Inorganic Analyses

The MS/MSD samples were spiked with the analytes of interest, and the results were evaluated using the "Guidelines". All percent recoveries and RPD values were within the control limits, demonstrating acceptable analytical accuracy and precision.

7. Field QA/QC Samples

The field QA/QC samples consisted of one field blank sample and one field duplicate sample set.

Field Blank Sample Analysis

To assess ambient conditions at the site and cleanliness of sample containers, a field blank was submitted for analysis, as identified in Table 1. All results were non-detect for the analytes of interest.

Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, one field duplicate sample set was collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with these duplicate samples must be less than 50 percent. If the reported concentration in either the investigative sample or its duplicate is less than five times the reporting limit (RL), the evaluation criteria is one times the RL value.

All field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision.

8. Analyte Reporting

The laboratory reported detected results down to the laboratory's method detection limit (MDL) for each analyte. Positive analyte detections less than the RL but greater than the MDL were qualified as estimated (J) in Tables 2A and 2B unless qualified otherwise in this memorandum. Non-detect results were presented as non-detect at the RL in Tables 2A and 2B.

9. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Tables 2A and 2B are acceptable with the specific qualifications noted herein.

Regards

Grant Anderson
Chemist

Encl.

Table 1

Sample Collection and Analysis Summary
Groundwater and Surface Water Sampling Event
Rhinelander Landfill Site
Rhinelander, Wisconsin
April 2021

					Analysis/Parameters										
Sample Identification	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**VOC plus THF**	**Select Metals**	**Hardness**	**Chloride**	**Fecal Coliforms**	**Ammonia**	**Total Kjeldahl Nitrogen**	**Chemical Oxygen Demand**	**Nitrate/Nitrite**	**Turbidity**	**Comments**
W-210406-KJ-11	SW-28	water	04/06/2021	15:56		x	x	x	x	x	x	x	x	x	
W-210406-KJ-12	SW-20	water	04/06/2021	15:25		x	x	x	x	x	x	x	x	x	
W-210406-KJ-13	SW-10	water	04/06/2021	15:34		x	x	x	x	x	x	x	x	x	
MW-16A	MW-16A	water	04/06/2021	14:59	x										
MW-16A DUP	MW-16A	water	04/06/2021	14:59	x										Duplicate (MW-16A)
MW-16B	MW-16B	water	04/06/2021	14:56	x										
FIELD BLANK	Lab	water	04/06/2021	14:45	x										Field Blank
MW-16C	MW-16C	water	04/06/2021	15:08	x										
MW-20C	MW-20C	water	04/06/2021	15:39	x										
MW-20B	MW-20B	water	04/06/2021	15:51	x										
MW-20A	MW-20A	water	04/06/2021	15:54	x										
MW-2A	MW-2A	water	04/06/2021	16:44	x					x	x				
MW-2B	MW-2B	water	04/06/2021	16:52	x										

Notes:

VOC - Volatile Organic Compounds
Select Metals - Copper, Iron, Lead, Sodium, Zinc
THF - Tetrahydrofuran

Table 2A

Validated Analytical Results Summary - Groundwater
Groundwater and Surface Water Sampling Event
Rhinelander Landfill Site
Rhinelander, Wisconsin
April 2021

Location ID:		MW-16A	MW-16A	MW-16B	MW-16C	MW-20A	MW-20B	MW-20C	MW-2A	MW-2B
Sample Name:		MW-16A	MW-16A DUP	MW-16B	MW-16C	MW-20A	MW-20B	MW-20C	MW-2A	MW-2B
Sample Date:		04/06/2021	04/06/2021 Duplicate	04/06/2021	04/06/2021	04/06/2021	04/06/2021	04/06/2021	04/06/2021	04/06/2021
Parameters	**Unit**									
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	1.0 U	0.37 J	0.34 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloropropene	µg/L	1.8 U	1.8 U	1.8 U	1.8 U	1.0 U	1.0 U	1.8 U	1.0 U	1.0 U
1,2,3-Trichlorobenzene	µg/L	7.4 U	7.4 U	7.4 U	7.4 U	5.0 U	5.0 U	7.4 U	5.0 U	5.0 U
1,2,3-Trichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trimethylbenzene	µg/L	2.8 U	2.8 U	2.8 U	2.8 U	24.7	1.0 U	2.8 U	1.7	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	5.9 U	5.9 U	5.9 U	5.9 U	5.0 U	5.0 U	5.9 U	5.0 U	5.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	2.8 U	2.8 U	2.8 U	2.8 U	1.0 U	1.0 U	2.8 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	2.4 U	2.4 U	2.4 U	2.4 U	0.65 J	1.0 U	2.4 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene	µg/L	2.9 U	2.9 U	2.9 U	2.9 U	5.5	1.0 U	2.9 U	1.1	1.0 U
1,3-Dichlorobenzene	µg/L	2.1 U	2.1 U	2.1 U	2.1 U	1.0 U	1.0 U	2.1 U	1.0 U	1.0 U
1,3-Dichloropropane	µg/L	2.8 U	2.8 U	2.8 U	2.8 U	1.0 U	1.0 U	2.8 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	1.8	1.0 U	3.1 U	1.0 U	1.0 U
2,2-Dichloropropane	µg/L	7.6 U	7.6 U	7.6 U	7.6 U	5.0 U	5.0 U	7.6 U	5.0 U	5.0 U
2-Chlorotoluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Phenylbutane (sec-Butylbenzene)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	0.55 J	1.0 U	5.0 U	1.0 U	1.0 U
4-Chlorotoluene	µg/L	2.5 U	2.5 U	2.5 U	2.5 U	5.0 U	5.0 U	2.5 U	5.0 U	5.0 U
Benzene	µg/L	0.61 J	0.57 J	0.71 J	0.84 J	1.5	0.55 J	0.87 J	16.1	1.0 U
Bromobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.2 U	1.2 U	1.2 U	1.2 U	1.0 U	1.0 U	1.2 U	1.0 U	1.0 U
Bromoform	µg/L	13.2 U	13.2 U	13.2 U	13.2 U	5.0 U	5.0 U	13.2 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	3.6 U	3.6 U	3.6 U	3.6 U	1.0 U	1.0 U	3.6 U	1.0 U	1.0 U
Chlorobenzene	µg/L	2.4 U	2.4 U	2.4 U	2.4 U	5.4	1.0 U	0.81 J	1.0 U	1.0 U
Chlorobromomethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	7.3 U	7.3 U	7.3 U	7.3 U	5.0 U	5.0 U	7.3 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	12.1 U	12.1 U	12.1 U	12.1 U	1.0 U	1.0 U	12.1 U	1.0 U	1.0 U
Cymene (p-Isopropyltoluene)	µg/L	2.7 U	2.7 U	2.7 U	2.7 U	5.0 U	5.0 U	2.7 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	8.7 U	8.7 U	8.7 U	8.7 U	5.0 U	5.0 U	8.7 U	5.0 U	5.0 U
Dibromomethane	µg/L	3.1 U	3.1 U	3.1 U	3.1 U	5.0 U	5.0 U	3.1 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

Table 2A

Validated Analytical Results Summary - Groundwater
Groundwater and Surface Water Sampling Event
Rhinelander Landfill Site
Rhinelander, Wisconsin
April 2021

Location ID:		MW-16A	MW-16A	MW-16B	MW-16C	MW-20A	MW-20B	MW-20C	MW-2A	MW-2B
Sample Name:		MW-16A	MW-16A DUP	MW-16B	MW-16C	MW-20A	MW-20B	MW-20C	MW-2A	MW-2B
Sample Date:		04/06/2021	04/06/2021 Duplicate	04/06/2021	04/06/2021	04/06/2021	04/06/2021	04/06/2021	04/06/2021	04/06/2021
Parameters	**Unit**									
Volatile Organic Compounds (Continued)										
Diisopropyl ether	µg/L	6.3 U	6.3 U	6.3 U	6.3 U	5.0 U	5.0 U	6.3 U	5.0 U	5.0 U
Ethylbenzene	µg/L	1.1 U	1.1 U	1.1 U	1.1 U	1.0 U	1.0 U	1.1 U	1.0 U	1.0 U
Hexachlorobutadiene	µg/L	4.9 U	4.9 U	4.9 U	4.9 U	5.0 U	5.0 U	4.9 U	5.0 U	5.0 U
Isopropyl benzene	µg/L	5.6 U	5.6 U	5.6 U	5.6 U	3.8 J	5.0 U	5.6 U	5.0 U	5.0 U
m&p-Xylenes	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	63.8	2.0 U	2.0 U	2.6	2.0 U
Methyl tert butyl ether (MTBE)	µg/L	4.2 U	4.2 U	4.2 U	4.2 U	5.0 U	5.0 U	4.2 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
N-Butylbenzene	µg/L	2.4 U	2.4 U	2.4 U	2.4 U	1.0 U	1.0 U	2.4 U	1.0 U	1.0 U
N-Propylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	2.8	1.0 U	5.0 U	1.0 U	1.0 U
Naphthalene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	14.7	3.2 J	4.9 J	5.5	5.0 U
o-Xylene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.5	1.0 U	1.0 U	0.40 J	1.0 U
Styrene	µg/L	10.0 U	10.0 U	10.0 U	10.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U
tert-Butylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.1 U	1.1 U	1.1 U	1.1 U	1.0 U	1.0 U	1.1 U	1.0 U	1.0 U
Tetrahydrofuran	µg/L	20.0 U	20.0 U	20.0 U	2.5 J	8.1 J	4.6 J	2.9 J	172	6.4 J
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.0 U	1.0 U	1.5 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	14.6 U	14.6 U	14.6 U	14.6 U	5.0 U	5.0 U	14.6 U	5.0 U	5.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	0.82 J	0.83 J	0.71 J	0.61 J	1.0 U	0.18 J	0.32 J	1.0 U	1.0 U
General Chemistry										
Ammonia-N	mg/L	--	--	--	--	--	--	--	271	--
Total kjeldahl nitrogen (TKN)	mg/L	--	--	--	--	--	--	--	238	--

Notes:
U – Not detected at the associated reporting limit
J – Estimated concentration

Table 2B

Validated Analytical Results Summary - Surface Water
Groundwater and Surface Water Sampling Event
Rhinelander Landfill Site
Rhinelander, Wisconsin
April 2021

Location ID:		SW-10	SW-20	SW-28
Sample Name:		W-210406-KJ-13	W-210406-KJ-12	W-210406-KJ-11
Sample Date:		04/06/2021	04/06/2021	04/06/2021
Parameters	**Unit**			
Metals				
Hardness, calculation	mg/L	49.9	79.3	284
Copper	µg/L	10.0 U	10.0 U	10.0 U
Iron	µg/L	9210	3310	10200
Lead	µg/L	20.0 U	20.0 U	20.0 U
Sodium	µg/L	18100	31700	40300
Zinc	µg/L	40.0 U	40.0 U	15.8 J
General Chemistry				
Fecal coliform bacteria	cfu/100mL	10.0 J	12.0 J	3.00 J
Ammonia-N	mg/L	0.50 U	1.3	92.2
Chemical oxygen demand (COD)	mg/L	23.7 J	19.3 J	165
Chloride	mg/L	35.1	76.9	23.5
Nitrite/Nitrate	mg/L	0.22 J	0.21 J	2.5
Total kjeldahl nitrogen (TKN)	mg/L	0.46 J	1.7	78.0
Turbidity	NTU	22.0	20.0	85.0

Notes:
U – Not detected at the associated reporting limit
J – Estimated concentration

Table 3

Analytical Methods
Groundwater and Surface Water Sampling Event
Rhinelander Landfill Site
Rhinelander, Wisconsin
April 2021

Parameter	Method	Matrix	Holding Time: Collection to Extraction (days)	Holding Time: Collection or Extraction to Analysis (days)
VOC plus THF	SW-846 8260	Water	-	14
Select Metals	SW-846 6010	Water	-	180
Hardness	SM 2340B	Water	-	180
Fecal Coliform Bacteria	SM 9222D	Water	-	6 hours
Chloride	EPA 300.0	Water	-	28
Ammonia	EPA 350.1	Water	-	28
Total Kjeldahl Nitrogen (TKN)	EPA 351.2	Water	-	28
Chemical Oxygen Demand (COD)	EPA 410.4	Water	-	28
Nitrate/Nitrite	EPA 353.2	Water	-	28
Turbidity	EPA 180.1	Water	-	48 hours

Notes:

VOC - Volatile Organic Compounds
THF - Tetrahydrofuran

Method References:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions
SM - "Standard Methods For the Examination of Water and Wastewater"
EPA - "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions

Table 4

Qualified Sample Results Due to Holding Time Exceedance
Groundwater and Surface Water Sampling Event
Rhinelander Landfill Site
Rhinelander, Wisconsin
April 2021

Parameter	Sample ID	Holding Time (hours)	Holding Time Criteria (hours)	Analyte	Qualified Sample Results	Units
Fecal coliform bacteria	W-210406-KJ-11	19	6	Fecal coliform bacteria	3.00 J	cfu/100mL
	W-210406-KJ-12	19	6	Fecal coliform bacteria	12.0 J	cfu/100mL
	W-210406-KJ-13	19	6	Fecal coliform bacteria	10.0 J	cfu/100mL

Notes:

J - Estimated concentration

Pace Analytical Services, LLC
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April 20, 2021

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

RE: Project: 11115796 RHINELANDER LF SW
Pace Project No.: 40224580

Dear Grant Anderson:

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

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

- Pace Analytical Services - Green Bay

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

Sincerely,

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

Enclosures

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 11115796 RHINELANDER LF SW
Pace Project No.: 40224580

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 11115796 RHINELANDER LF SW
Pace Project No.: 40224580

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40224580001	**W-210406-KJ-11**	Water	04/06/21 15:56	04/07/21 08:12
40224580002	**W-210406-KJ-12**	Water	04/06/21 15:25	04/07/21 08:12
40224580003	**W-210406-KJ-13**	Water	04/06/21 15:34	04/07/21 08:12

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SAMPLE ANALYTE COUNT

Project: 11115796 RHINELANDER LF SW
Pace Project No.: 40224580

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40224580001	**W-210406-KJ-11**	EPA 6010	TXW	6
		SM 9222D	JXM	1
		EPA 180.1	EXM	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
40224580002	**W-210406-KJ-12**	EPA 6010	TXW	6
		SM 9222D	JXM	1
		EPA 180.1	EXM	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
40224580003	**W-210406-KJ-13**	EPA 6010	TXW	6
		SM 9222D	JXM	1
		EPA 180.1	EXM	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

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(920)469-2436

ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF SW
Pace Project No.: 40224580

Sample: W-210406-KJ-11 **Lab ID: 40224580001** Collected: 04/06/21 15:56 Received: 04/07/21 08:12 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay								
Copper	**<3.4**	ug/L	10.0	3.4	1	04/08/21 07:51	04/08/21 17:43	7440-50-8	
Iron	**10200**	ug/L	100	56.7	1	04/08/21 07:51	04/08/21 17:43	7439-89-6	
Lead	**<5.9**	ug/L	20.0	5.9	1	04/08/21 07:51	04/08/21 17:43	7439-92-1	
Sodium	**40300**	ug/L	500	350	1	04/08/21 07:51	04/08/21 17:43	7440-23-5	
Total Hardness by 2340B	**284**	mg/L	2.0	0.15	1	04/08/21 07:51	04/08/21 17:43		
Zinc	**15.8J**	ug/L	40.0	11.6	1	04/08/21 07:51	04/08/21 17:43	7440-66-6	
9222D MICRO Fecal Coli by MF	Analytical Method: SM 9222D Preparation Method: SM 9222D Pace Analytical Services - Green Bay								
Fecal Coliforms	**3.00**	CFU/100 mL	1.0	1.0	1	04/07/21 10:00	04/07/21 10:00		H3
180.1 Turbidity	Analytical Method: EPA 180.1 Pace Analytical Services - Green Bay								
Turbidity	**85.0**	NTU	3.0	3.0	3		04/07/21 09:48		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**23.5**	mg/L	10.0	2.2	5		04/14/21 00:16	16887-00-6	B
350.1 Ammonia, Distilled	Analytical Method: EPA 350.1 Preparation Method: EPA 350.1 Pace Analytical Services - Green Bay								
Nitrogen, Ammonia	**92.2**	mg/L	5.0	1.4	10	04/14/21 14:59	04/14/21 17:03	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	**78.0**	mg/L	10.0	2.1	10	04/15/21 13:55	04/15/21 19:17	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay								
Nitrogen, NO2 plus NO3	**2.5**	mg/L	0.25	0.059	1		04/12/21 12:02		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay								
Chemical Oxygen Demand	**165**	mg/L	50.0	14.7	1	04/09/21 03:37	04/09/21 06:06		

REPORT OF LABORATORY ANALYSIS

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

Project: 11115796 RHINELANDER LF SW
Pace Project No.: 40224580

Sample: W-210406-KJ-12 **Lab ID: 40224580002** Collected: 04/06/21 15:25 Received: 04/07/21 08:12 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay								
Copper	**<3.4**	ug/L	10.0	3.4	1	04/08/21 07:51	04/08/21 17:46	7440-50-8	
Iron	**3310**	ug/L	100	56.7	1	04/08/21 07:51	04/08/21 17:46	7439-89-6	
Lead	**<5.9**	ug/L	20.0	5.9	1	04/08/21 07:51	04/08/21 17:46	7439-92-1	
Sodium	**31700**	ug/L	500	350	1	04/08/21 07:51	04/08/21 17:46	7440-23-5	
Total Hardness by 2340B	**79.3**	mg/L	2.0	0.15	1	04/08/21 07:51	04/08/21 17:46		
Zinc	**<11.6**	ug/L	40.0	11.6	1	04/08/21 07:51	04/08/21 17:46	7440-66-6	
9222D MICRO Fecal Coli by MF	Analytical Method: SM 9222D Preparation Method: SM 9222D Pace Analytical Services - Green Bay								
Fecal Coliforms	**12.0**	CFU/100 mL	1.0	1.0	1	04/07/21 10:00	04/07/21 10:00		H3
180.1 Turbidity	Analytical Method: EPA 180.1 Pace Analytical Services - Green Bay								
Turbidity	**20.0**	NTU	1.0	1.0	1		04/07/21 09:51		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**76.9**	mg/L	10.0	2.2	5		04/14/21 00:31	16887-00-6	
350.1 Ammonia, Distilled	Analytical Method: EPA 350.1 Preparation Method: EPA 350.1 Pace Analytical Services - Green Bay								
Nitrogen, Ammonia	**1.3**	mg/L	0.50	0.14	1	04/14/21 14:59	04/14/21 15:55	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	**1.7**	mg/L	1.0	0.21	1	04/15/21 13:55	04/15/21 19:18	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay								
Nitrogen, NO2 plus NO3	**0.21J**	mg/L	0.25	0.059	1		04/12/21 12:02		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay								
Chemical Oxygen Demand	**19.3J**	mg/L	50.0	14.7	1	04/09/21 03:37	04/09/21 06:06		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF SW
Pace Project No.: 40224580

Sample: W-210406-KJ-13 **Lab ID: 40224580003** Collected: 04/06/21 15:34 Received: 04/07/21 08:12 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay								
Copper	**<3.4**	ug/L	10.0	3.4	1	04/08/21 07:51	04/08/21 17:48	7440-50-8	
Iron	**9210**	ug/L	100	56.7	1	04/08/21 07:51	04/08/21 17:48	7439-89-6	
Lead	**<5.9**	ug/L	20.0	5.9	1	04/08/21 07:51	04/08/21 17:48	7439-92-1	
Sodium	**18100**	ug/L	500	350	1	04/08/21 07:51	04/08/21 17:48	7440-23-5	
Total Hardness by 2340B	**49.9**	mg/L	2.0	0.15	1	04/08/21 07:51	04/08/21 17:48		
Zinc	**<11.6**	ug/L	40.0	11.6	1	04/08/21 07:51	04/08/21 17:48	7440-66-6	
9222D MICRO Fecal Coli by MF	Analytical Method: SM 9222D Preparation Method: SM 9222D Pace Analytical Services - Green Bay								
Fecal Coliforms	**10.0**	CFU/100 mL	2.0	2.0	2	04/07/21 10:00	04/07/21 10:00		H3
180.1 Turbidity	Analytical Method: EPA 180.1 Pace Analytical Services - Green Bay								
Turbidity	**22.0**	NTU	1.0	1.0	1		04/07/21 09:53		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**35.1**	mg/L	20.0	4.3	10		04/14/21 11:07	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	04/14/21 14:59	04/14/21 15:57	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	**0.46J**	mg/L	1.0	0.21	1	04/15/21 13:55	04/15/21 19:18	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay								
Nitrogen, NO2 plus NO3	**0.22J**	mg/L	0.25	0.059	1		04/12/21 12:03		
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	04/09/21 03:37	04/09/21 06:06		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF SW
Pace Project No.: 40224580

QC Batch: 381896
QC Batch Method: SM 9222D
Analysis Method: SM 9222D
Analysis Description: 9222D MICRO Fecal Coliform by MF
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40224580001, 40224580002, 40224580003

METHOD BLANK: 2201462 Matrix: Water
Associated Lab Samples: 40224580001, 40224580002, 40224580003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fecal Coliforms	CFU/100 mL	<1.00	1.0	04/07/21 10:00	

METHOD BLANK: 2201464 Matrix: Water
Associated Lab Samples: 40224580001, 40224580002, 40224580003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fecal Coliforms	CFU/100 mL	<1.00	1.0	04/07/21 10:00	

SAMPLE DUPLICATE: 2201463

Parameter	Units	40224580003 Result	Dup Result	RPD	Max RPD	Qualifiers
Fecal Coliforms	CFU/100 mL	10.0	14.0			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF SW
Pace Project No.: 40224580

QC Batch: 381871
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40224580001, 40224580002, 40224580003

METHOD BLANK: 2202167 Matrix: Water
Associated Lab Samples: 40224580001, 40224580002, 40224580003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	<3.4	10.0	04/08/21 17:12	
Iron	ug/L	<56.7	100	04/08/21 17:12	
Lead	ug/L	<5.9	20.0	04/08/21 17:12	
Sodium	ug/L	457J	500	04/08/21 17:12	
Total Hardness by 2340B	mg/L	<0.15	2.0	04/08/21 17:12	
Zinc	ug/L	<11.6	40.0	04/08/21 17:12	

LABORATORY CONTROL SAMPLE: 2202168

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	500	497	99	80-120	
Iron	ug/L	5000	4930	99	80-120	
Lead	ug/L	500	490	98	80-120	
Sodium	ug/L	5000	5220	104	80-120	
Total Hardness by 2340B	mg/L		33.4			
Zinc	ug/L	500	501	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2202169 2202170

Parameter	Units	40224588001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	ug/L	7.9J	500	500	528	508	104	100	75-125	4	20	
Iron	ug/L	55100	5000	5000	62100	62300	140	144	75-125	0	20	P6
Lead	ug/L	<11.8	500	500	484	467	95	92	75-125	3	20	
Sodium	ug/L	799000	5000	5000	812000	822000	248	452	75-125	1	20	P6
Total Hardness by 2340B	mg/L	1010			1080	1090				0	20	
Zinc	ug/L	44.9J	500	500	516	503	94	92	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF SW
Pace Project No.: 40224580

QC Batch: 381744
QC Batch Method: EPA 180.1
Analysis Method: EPA 180.1
Analysis Description: 180.1 Turbidity
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40224580001, 40224580002, 40224580003

METHOD BLANK: 2201488 Matrix: Water
Associated Lab Samples: 40224580001, 40224580002, 40224580003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Turbidity	NTU	<1.0	1.0	04/07/21 09:43	

LABORATORY CONTROL SAMPLE: 2201489

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Turbidity	NTU	550	550	100	90-110	

SAMPLE DUPLICATE: 2201490

Parameter	Units	40224580001 Result	Dup Result	RPD	Max RPD	Qualifiers
Turbidity	NTU	85.0	85.0	0	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF SW
Pace Project No.: 40224580

QC Batch: 382206
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40224580001, 40224580002

METHOD BLANK: 2204740 Matrix: Water
Associated Lab Samples: 40224580001, 40224580002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	0.51J	2.0	04/13/21 16:51	

LABORATORY CONTROL SAMPLE: 2204741

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	21.6	108	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2204742 2204743

Parameter	Units	40224947022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	379	200	200	570	568	95	95	90-110	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2204744 2204745

Parameter	Units	40224580002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	76.9	100	100	183	182	106	105	90-110	1	15	

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF SW
Pace Project No.: 40224580

QC Batch: 382344
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40224580003

METHOD BLANK: 2205303 Matrix: Water
Associated Lab Samples: 40224580003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.43	2.0	04/14/21 09:38	

LABORATORY CONTROL SAMPLE: 2205304

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	20.3	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2205305 2205306

Parameter	Units	40224984001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	265	400	400	668	683	101	105	90-110	2	15	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF SW
Pace Project No.: 40224580

QC Batch: 382459
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia, Distilled
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40224580001, 40224580002, 40224580003

METHOD BLANK: 2205817 Matrix: Water
Associated Lab Samples: 40224580001, 40224580002, 40224580003

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

LABORATORY CONTROL SAMPLE: 2205818

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2205819 2205820

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2205821 2205822

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

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF SW
Pace Project No.: 40224580

QC Batch: 382571
QC Batch Method: EPA 351.2
Analysis Method: EPA 351.2
Analysis Description: 351.2 TKN
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40224580001, 40224580002, 40224580003

METHOD BLANK: 2206436 Matrix: Water
Associated Lab Samples: 40224580001, 40224580002, 40224580003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.21	1.0	04/15/21 19:15	

LABORATORY CONTROL SAMPLE: 2206437

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	5	4.6	93	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2206438 2206439

Parameter	Units	40224580003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	0.46J	5	5	5.1	5.2	93	94	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2206440 2206441

Parameter	Units	40224643002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	0.82J	5	5	5.3	5.3	90	89	90-110	1	20	M0

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF SW
Pace Project No.: 40224580

QC Batch: 382107
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, preserved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40224580001, 40224580002, 40224580003

METHOD BLANK: 2204344 Matrix: Water
Associated Lab Samples: 40224580001, 40224580002, 40224580003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.059	0.25	04/12/21 11:44	

LABORATORY CONTROL SAMPLE: 2204345

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: 2204346 2204347

Parameter	Units	40224530003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	6.3	2.5	2.5	8.8	8.9	100	103	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2204348 2204349

Parameter	Units	40224617005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	<0.059	2.5	2.5	1.9	1.9	76	75	90-110	1	20	M0

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF SW
Pace Project No.: 40224580

QC Batch: 381962
QC Batch Method: EPA 410.4
Analysis Method: EPA 410.4
Analysis Description: 410.4 COD
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40224580001, 40224580002, 40224580003

METHOD BLANK: 2202975 Matrix: Water
Associated Lab Samples: 40224580001, 40224580002, 40224580003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<14.7	50.0	04/09/21 06:05	

LABORATORY CONTROL SAMPLE: 2202976

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	522	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2202977 2202978

Parameter	Units	40224675001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	<15.5	526	526	545	545	102	102	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2202979 2202980

Parameter	Units	40224676001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	15.5J	526	526	554	547	102	101	90-110	1	10	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 11115796 RHINELANDER LF SW
Pace Project No.: 40224580

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

B	Analyte was detected in the associated method blank.
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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11115796 RHINELANDER LF SW
Pace Project No.: 40224580

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40224580001	**W-210406-KJ-11**	EPA 3010	381871	EPA 6010	381932
40224580002	**W-210406-KJ-12**	EPA 3010	381871	EPA 6010	381932
40224580003	**W-210406-KJ-13**	EPA 3010	381871	EPA 6010	381932
40224580001	**W-210406-KJ-11**	SM 9222D	381740	SM 9222D	381896
40224580002	**W-210406-KJ-12**	SM 9222D	381740	SM 9222D	381896
40224580003	**W-210406-KJ-13**	SM 9222D	381740	SM 9222D	381896
40224580001	**W-210406-KJ-11**	EPA 180.1	381744		
40224580002	**W-210406-KJ-12**	EPA 180.1	381744		
40224580003	**W-210406-KJ-13**	EPA 180.1	381744		
40224580001	**W-210406-KJ-11**	EPA 300.0	382206		
40224580002	**W-210406-KJ-12**	EPA 300.0	382206		
40224580003	**W-210406-KJ-13**	EPA 300.0	382344		
40224580001	**W-210406-KJ-11**	EPA 350.1	382459	EPA 350.1	382479
40224580002	**W-210406-KJ-12**	EPA 350.1	382459	EPA 350.1	382479
40224580003	**W-210406-KJ-13**	EPA 350.1	382459	EPA 350.1	382479
40224580001	**W-210406-KJ-11**	EPA 351.2	382571	EPA 351.2	382621
40224580002	**W-210406-KJ-12**	EPA 351.2	382571	EPA 351.2	382621
40224580003	**W-210406-KJ-13**	EPA 351.2	382571	EPA 351.2	382621
40224580001	**W-210406-KJ-11**	EPA 353.2	382107		
40224580002	**W-210406-KJ-12**	EPA 353.2	382107		
40224580003	**W-210406-KJ-13**	EPA 353.2	382107		
40224580001	**W-210406-KJ-11**	EPA 410.4	381962	EPA 410.4	381967
40224580002	**W-210406-KJ-12**	EPA 410.4	381962	EPA 410.4	381967
40224580003	**W-210406-KJ-13**	EPA 410.4	381962	EPA 410.4	381967

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

40224580

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www.pacelabs.com

CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	GHD
Branch/Location:	St. Paul
Project Contact:	Grant Anderson
Phone:	612-524-6836
Project Number:	11115796
Project Name:	Rhinelander LF SW
Project State:	Wisconsin
Sampled By (Print):	R. Coy
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	
Mail To Company:	SA
Mail To Address:	
Invoice To Contact:	ME
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: Fecal Coliform MF	Ammonia, TKN, NTN, COD	Chloride, Turbidity	Metals + Hardness	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	~~W-210406-KJ-09~~				N	A	C	A	D				
	~~-10~~				N	A	C	A	D				
001	W-210406-KJ-11	4/6/21	1556	SW	N	A	C	A	D				
002	-12		1525		N	A	C	A	D				
003	-13		1534		N	A	C	A	D				

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

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

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	4/7/21 0812	[signature] Pace	4/7/21 0812

PACE Project No. 40224580

Receipt Temp = 4 °C

Sample Receipt pH (OK) / Adjusted

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

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Client Name: GHD

Sample Preservation Receipt Form

Project # 40224580

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

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

Initial when completed: Date/ Time:

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

Pace Lab #	Glass								Plastic					Vials						Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN							
001										(		(	(											(				X			X		2.5 / 5 / 10
002										(		(	(											(				X			X		2.5 / 5 / 10
003										(		(	(											(				X			X		2.5 / 5 / 10
004																																	2.5 / 5 / 10
005																																	2.5 / 5 / 10
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015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																													4/26/18				2.5 / 5 / 10
020																																	2.5 / 5 / 10

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

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

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

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO#: 40224580

40224580

Client Name: GHD

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

Tracking #: _____

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

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

Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other _____

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

Cooler Temperature Uncorr: 4 /Corr: 4

Temp Blank Present: ☒ yes ☐ no **Biological Tissue is Frozen:** ☐ yes ☐ no

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

Labeled By Initials: JM

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:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☐Yes ☑No	5. Run Fecals pass hold per PM/client. 4-7-21 SW
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☑Yes ☐No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☐Yes ☑No ☐N/A	12. No date & times 4-7-21 SW
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☐Yes ☐No ☑N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑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

Page 2 of 2

Technical Memorandum

January 13, 2022

To	Ryan Aamot, GHD	**Tel**	612-524-6836
Copy to	Lexie Treul, GHD	**Email**	grant.anderson@ghd.com
From	Grant Anderson/lg/3	**Ref. No.**	11115796
Subject	Analytical Results and Reduced Validation Groundwater and Surface Water Sampling Event Rhinelander Landfill Site Rhinelander, Wisconsin October 2021		

1. Introduction

The following document details a reduced validation of analytical results for groundwater and surface water samples collected in support of the monitoring event at the Rhinelander Landfill Site in Rhinelander, Wisconsin during October 2021. Samples were submitted to Pace Analytical Services, Inc. (Pace), located in Green Bay, Wisconsin. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Tables 2A and 2B. A summary of the analytical methodology is presented in Table 3.

Standard GHD Services, Inc. (GHD) report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody forms, finished report forms, method blank data, recovery data from surrogate spikes/laboratory control samples (LCS)/matrix spike samples (MS), and field QA/QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 3 and applicable guidance from the documents entitled:

i. “National Functional Guidelines for Organic Superfund Methods Data Review”, EPA-540-R-2017-001, January 2017.

ii. “National Functional Guidelines for Organic Superfund Methods Data Review”, EPA-540-R-2017-002, January 2017.

Items i. and ii. will subsequently be referred to as the "Guidelines" in this Memorandum.

2. Sample Holding Time and Preservation

The sample holding time criteria and sample preservation requirements for the analyses are summarized in Table 3. The sample chain of custody documents and analytical reports were used to determine sample holding times. With the exception of fecal coliform bacteria analyses, all samples were analyzed within the required holding times. Table 4 lists the holding time exceedances. Associated sample data are qualified as noted in the table.

All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

3. Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

Laboratory method blanks were analyzed at a minimum frequency of one per 20 investigative samples and/or one per analytical batch.

With the exception of hardness, all method blank results were non-detect. Associated hardness results in investigative samples were sufficiently high enough that qualification of data was not necessary.

4. Surrogate Spike Recoveries

In accordance with the methods employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for volatile organic compound (VOC) determinations were spiked with the appropriate number of surrogate compounds prior to sample analysis.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries were within the laboratory control limits.

5. Laboratory Control Sample (LCS) Analyses

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects.

LCS were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

Organic Analyses

The LCS contained all compounds of interest. Chloroethane yielded a high LCS recovery in batch 397802. However, associated sample results were non-detect; therefore, no qualification of data was necessary based on outlying LCS recoveries.

Inorganic Analyses

The LCS contained all analytes of interest. LCS recoveries were assessed per the "Guidelines". All LCS recoveries were within the control limits, demonstrating acceptable analytical accuracy.

6. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

To evaluate the effects of sample matrices on the preparation process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and

analyzed as MS/MSD samples. The relative percent difference (RPD) between the MS and MSD is used to assess analytical precision.

MS/MSD analyses were performed as specified in Table 1.

Organic Analyses

The MS/MSD samples were spiked with all compounds of interest. All percent recoveries and RPD values were within the acceptance criteria, demonstrating acceptable analytical accuracy and precision.

Inorganic Analyses

The MS/MSD samples were spiked with the analytes of interest, and the results were evaluated using the "Guidelines". All percent recoveries and RPD values were within the control limits, demonstrating acceptable analytical accuracy and precision.

7. Field QA/QC Samples

The field QA/QC samples consisted of two trip blanks, one field blank sample and one field duplicate sample set.

Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, two trip blanks were submitted to the laboratory for VOC analysis. Methylene chloride was detected in both trip blanks. However, associated sample results were non-detect for methylene chloride; therefore, no qualification of data was necessary based on compounds detected in the trip blanks.

Field Blank Sample Analysis

To assess ambient conditions at the site and cleanliness of sample containers, a field blank was submitted for analysis, as identified in Table 1. All results were non-detect for the analytes of interest.

Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, one field duplicate sample set was collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with these duplicate samples must be less than 50 percent. If the reported concentration in either the investigative sample or its duplicate is less than five times the reporting limit (RL), the evaluation criteria is one times the RL value.

All field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision.

8. Analyte Reporting

The laboratory reported detected results down to the laboratory's method detection limit (MDL) for each analyte. Positive analyte detections less than the RL but greater than the MDL were qualified as estimated (J) in Tables 2A and 2B unless qualified otherwise in this memorandum. Non detect results were presented as non-detect at the RL in Tables 2A and 2B.

9. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Tables 2A and 2B are acceptable with the specific qualifications noted herein.

Regards,

Grant Anderson
Chemist

Encl.

Table 1

Sample Collection and Analysis Summary
Groundwater and Surface Water Sampling Event
Rhinelander Landfill Site
Rhinelander, Wisconsin
October 2021

					Analysis/Parameters									
Sample Identification	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**VOC plus THF**	**Select Metals**	**Hardness**	**Chloride**	**Fecal Coliforms**	**Ammonia**	**Total Kjeldahl Nitrogen**	**Chemical Oxygen Demand**	**Nitrate/Nitrite**	**Comments**
MW-2A	MW-2A	water	10/04/2021	13:55	x					x	x			
MW-2B	MW-2B	water	10/04/2021	14:05	x									
MW-21A	MW-21A	water	10/04/2021	14:20	x					x	x			
W-211004-RA-100	SW-20	water	10/04/2021	15:05		x	x	x	x	x	x	x	x	
W-211004-RA-101	SW-28	water	10/04/2021	15:15		x	x	x	x	x	x	x	x	
W-211004-RA-102	SW-10	water	10/04/2021	15:30		x	x	x	x	x	x	x	x	
TRIP BLANK	TRIP BLANK	water	10/04/2021	00:00	x									Trip Blank
MW-5A	MW-5A	water	10/04/2021	15:20	x									
MW-5A DUP	MW-5A	water	10/04/2021	15:20	x									Duplicate (MW-5A)
MW-4A	MW-4A	water	10/04/2021	15:40	x									
MW-25B	MW-25B	water	10/04/2021	16:00	x									
MW-16C	MW-16C	water	10/04/2021	16:25	x									
MW-16B	MW-16B	water	10/04/2021	16:35	x									
MW-16A	MW-16A	water	10/05/2021	16:40	x									
MW-3A	MW-3A	water	10/05/2021	09:10	x					x	x			
MW-18B	MW-18B	water	10/05/2021	08:01	x									
FIELD BLANK	FIELD BLANK	water	10/05/2021	07:40	x									Field Blank
MW-18C	MW-18C	water	10/05/2021	08:05	x									MS/MSD
MW-18A	MW-18A	water	10/05/2021	08:23	x									
MW-20C	MW-20C	water	10/05/2021	09:54	x									

Table 1

Sample Collection and Analysis Summary
Groundwater and Surface Water Sampling Event
Rhinelander Landfill Site
Rhinelander, Wisconsin
October 2021

					Analysis/Parameters									
Sample Identification	**Location**	**Matrix**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**VOC plus THF**	**Select Metals**	**Hardness**	**Chloride**	**Fecal Coliforms**	**Ammonia**	**Total Kjeldahl Nitrogen**	**Chemical Oxygen Demand**	**Nitrate/Nitrite**	**Comments**
MW-26B	MW-26B	water	10/05/2021	08:50	x									
MW-26C	MW-26C	water	10/05/2021	08:46	x									
MW-20B	MW-20B	water	10/05/2021	09:31	x									
MW-20A	MW-20A	water	10/05/2021	09:45	x									
MW-28A	MW-28A	water	10/05/2021	10:30	x									
MW-27B	MW-27B	water	10/05/2021	10:33	x									
TRIP BLANK	TRIP BLANK	water	10/05/2021	00:00	x									Trip Blank

Notes:
VOC - Volatile Organic Compounds
Select Metals - Copper, Iron, Lead, Sodium, Zinc
THF - Tetrahydrofuran

Table 2A

Validated Analytical Results Summary - Groundwater
Groundwater and Surface Water Sampling Event
Rhinelander Landfill Site
Rhinelander, Wisconsin
October 2021

Location ID:		MW-2A	MW-2B	MW-3A	MW-4A	MW-5A	MW-5A	MW-16A	MW-16B	MW-16C	MW-18A	MW-18B	MW-18C	MW-20A	MW-20B	MW-20C	MW-21A	MW-25B	MW-26B	MW-26C	MW-27B	MW-28A
Sample Name:		MW-2A	MW-2B	MW-3A	MW-4A	MW-5A	MW-5A DUP	MW-16A	MW-16B	MW-16C	MW-18A	MW-18B	MW-18C	MW-20A	MW-20B	MW-20C	MW-21A	MW-25B	MW-26B	MW-26C	MW-27B	MW-28A
Sample Date:		10/04/2021	10/04/2021	10/05/2021	10/04/2021	10/04/2021	10/04/2021 Duplicate	10/05/2021	10/04/2021	10/04/2021	10/05/2021	10/05/2021	10/05/2021	10/05/2021	10/05/2021	10/05/2021	10/04/2021	10/04/2021	10/05/2021	10/05/2021	10/05/2021	10/05/2021
Parameters	**Unit**																					
Volatile Organic Compounds																						
1,1,1,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.31 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.89 J	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,3-Trichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,3-Trichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trimethylbenzene	µg/L	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	29.0	1.0 U	1.0 U	2.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene	µg/L	1.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.3	1.0 U	1.0 U	1.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	1.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.7	1.0 U	1.0 U	1.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorotoluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Phenylbutane (sec-Butylbenzene)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.85 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Chlorotoluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	µg/L	18.3	1.0 U	1.2	1.0 U	1.0 U	1.0 U	0.47 J	0.98 J	0.82 J	1.0 U	0.97 J	0.76 J	2.3	0.65 J	1.1	3.8	1.0 U	1.0 U	0.90 J	1.0 U	0.88 J
Bromobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	0.96 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	9.3	1.0 U	1.4	5.3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobromomethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	6.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.57 J	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cymene (p-Isopropyltoluene)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromomethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Diisopropyl ether	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorobutadiene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	4.7 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
m&p-Xylenes	µg/L	2.5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	59.8	2.0 U	2.0 U	5.7	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert butyl ether (MTBE)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
N-Butylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Propylbenzene	µg/L	0.36 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.8	1.0 U	1.0 U	0.84 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	5.3	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.3 J	5.0 U	5.0 U	5.0 U	23.4	3.5 J	4.8 J	5.2	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
o-Xylene	µg/L	0.48 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4	1.0 U	1.0 U	1.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
tert-Butylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrahydrofuran	µg/L	145	5.4 J	61.6	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	19.6 J	8.2 J	3.7 J	115	25.0 U	3.6 J	39.9	3.6 J	14.0 J
Toluene	µg/L	0.32 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.32 J	1.0 U	1.0 U	0.63 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	6.8	0.84 J	0.61 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.8	0.39 J	0.46 J	0.23 J	1.0 U	1.0 U	1.0 U	0.22 J	0.38 J	1.0 U	1.6	0.86 J	4.2	1.0 U	1.1
General Chemistry																						
Ammonia-N	mg/L	198	--	56.5	--	--	--	--	--	--	--	--	--	--	--	--	221	--	--	--	--	--
Total kjeldahl nitrogen (TKN)	mg/L	186	--	56.9	--	--	--	--	--	--	--	--	--	--	--	--	222	--	--	--	--	--

Notes:
U – Not detected at the associated reporting limit
J – Estimated concentration

Table 2B

Validated Analytical Results Summary - Surface Water
Groundwater and Surface Water Sampling Event
Rhinelander Landfill Site
Rhinelander, Wisconsin
October 2021

Location ID:		**SW-10**	**SW-20**	**SW-28**
Sample Name:		**W-211004-RA-102**	**W-211004-RA-100**	**W-211004-RA-101**
Sample Date:		**10/04/2021**	**10/04/2021**	**10/04/2021**
Parameters	**Unit**			
Metals				
Hardness, calculation	mg/L	78.2	120	479
Copper	µg/L	10.0 U	10.0 U	10.0 U
Iron	µg/L	4080	3440	59900
Lead	µg/L	20.0 U	20.0 U	7.6 J
Sodium	µg/L	24000	30200	60400
Zinc	µg/L	40.0 U	40.0 U	40.0 U
General Chemistry				
Fecal coliform bacteria	cfu/100mL	8.57 J	42.0 J	35.0 J
Ammonia-N	mg/L	0.50 U	1.4	130
Chemical oxygen demand (COD)	mg/L	30.5 J	41.5 J	167
Chloride	mg/L	51.7	81.7	36.0
Nitrite/Nitrate	mg/L	0.14 J	0.95	0.17 J
Total kjeldahl nitrogen (TKN)	mg/L	0.31 J	1.7	155

Notes:
U – Not detected at the associated reporting limit
J – Estimated concentration

Table 3

Analytical Methods
Groundwater and Surface Water Sampling Event
Rhinelander Landfill Site
Rhinelander, Wisconsin
October 2021

Parameter	Method	Matrix	Holding Time: Collection to Extraction (days)	Holding Time: Collection or Extraction to Analysis (days)
VOC plus THF	SW-846 8260	Water	-	14
Select Metals	SW-846 6010D	Water	-	180
Hardness	SM 2340B	Water	-	180
Fecal Coliform Bacteria	SM 9222D	Water	-	6 hours
Chloride	EPA 300.0	Water	-	28
Ammonia	EPA 350.1	Water	-	28
Total Kjeldahl Nitrogen (TKN)	EPA 351.2	Water	-	28
Chemical Oxygen Demand (COD)	EPA 410.4	Water	-	28
Nitrate/Nitrite	EPA 353.2	Water	-	28

Notes:
VOC - Volatile Organic Compounds
THF - Tetrahydrofuran

Method References:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions
SM - "Standard Methods For the Examination of Water and Wastewater"
EPA - "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions

Table 4

Qualified Sample Results Due to Holding Time Exceedance
Groundwater and Surface Water Sampling Event
Rhinelander Landfill Site
Rhinelander, Wisconsin
October 2021

Parameter	Sample ID	Holding Time (hours)	Holding Time Criteria (hours)	Analyte	Qualified Sample Results	Units
Fecal coliform bacteria	W-211004-RA-100	20	6	Fecal coliform bacteria	42.0 J	cfu/100mL
	W-211004-RA-101	20	6	Fecal coliform bacteria	35.0 J	cfu/100mL
	W-211004-RA-102	20	6	Fecal coliform bacteria	8.57 J	cfu/100mL

Notes:
J - Estimated concentration

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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December 09, 2021

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

RE: Project: 11115796 RHINELANDER LF
Pace Project No.: 40234442

Dear Grant Anderson:

Enclosed are the analytical results for sample(s) received by the laboratory on October 05, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,

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

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40234442

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 11115796 RHINELANDER LF
Pace Project No.: 40234442

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40234442004	**W-211004-RA-100**	Water	10/04/21 15:05	10/05/21 10:00
40234442005	**W-211004-RA-101**	Water	10/04/21 15:15	10/05/21 10:00
40234442006	**W-211004-RA-102**	Water	10/04/21 15:30	10/05/21 10:00

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

SAMPLE ANALYTE COUNT

Project: 11115796 RHINELANDER LF
Pace Project No.: 40234442

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40234442004	**W-211004-RA-100**	EPA 6010D	TXW	6
		SM 9222D	EXM	1
		EPA 300.0	HMB	1
		EPA 350.1	TMK	1
		EPA 351.2	TMK	1
		EPA 353.2	DAW	1
		EPA 410.4	TMK	1
40234442005	**W-211004-RA-101**	EPA 6010D	TXW	6
		SM 9222D	EXM	1
		EPA 300.0	HMB	1
		EPA 350.1	TMK	1
		EPA 351.2	TMK	1
		EPA 353.2	DAW	1
		EPA 410.4	TMK	1
40234442006	**W-211004-RA-102**	EPA 6010D	TXW	6
		SM 9222D	EXM	1
		EPA 300.0	HMB	1
		EPA 350.1	TMK	1
		EPA 351.2	TMK	1
		EPA 353.2	DAW	1
		EPA 410.4	TMK	1

PASI-G = Pace Analytical Services - Green Bay

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40234442

Sample: W-211004-RA-100 **Lab ID: 40234442004** Collected: 10/04/21 15:05 Received: 10/05/21 10:00 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	10/06/21 06:27	10/07/21 11:20	7440-50-8	
Iron	**3440**	ug/L	100	56.7	1	10/06/21 06:27	10/07/21 11:20	7439-89-6	
Lead	**<5.9**	ug/L	20.0	5.9	1	10/06/21 06:27	10/07/21 11:20	7439-92-1	
Sodium	**30200**	ug/L	500	350	1	10/06/21 06:27	10/07/21 11:20	7440-23-5	
Total Hardness by 2340B	**120**	mg/L	2.0	0.15	1	10/06/21 06:27	10/07/21 11:20		
Zinc	**<11.6**	ug/L	40.0	11.6	1	10/06/21 06:27	10/07/21 11:20	7440-66-6	
9222D MICRO Fecal Coli by MF	Analytical Method: SM 9222D Preparation Method: SM 9222D Pace Analytical Services - Green Bay								
Fecal Coliforms	**42.0**	CFU/100 mL	2.0	2.0	2	10/05/21 11:15	10/05/21 11:15		H3
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**81.7**	mg/L	10.0	2.2	5		10/16/21 01:57	16887-00-6	
350.1 Ammonia, Distilled	Analytical Method: EPA 350.1 Preparation Method: EPA 350.1 Pace Analytical Services - Green Bay								
Nitrogen, Ammonia	**1.4**	mg/L	0.50	0.14	1	10/07/21 21:09	10/07/21 22:48	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	**1.7**	mg/L	1.0	0.21	1	10/05/21 20:36	10/06/21 03:49	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay								
Nitrogen, NO2 plus NO3	**0.95**	mg/L	0.25	0.059	1		10/13/21 12:50		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay								
Chemical Oxygen Demand	**41.5J**	mg/L	52.6	15.5	1	10/17/21 22:45	10/18/21 01:38		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40234442

Sample: W-211004-RA-101 **Lab ID: 40234442005** Collected: 10/04/21 15:15 Received: 10/05/21 10:00 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	10/06/21 06:27	10/07/21 11:34	7440-50-8	
Iron	**59900**	ug/L	100	56.7	1	10/06/21 06:27	10/07/21 11:34	7439-89-6	
Lead	**7.6J**	ug/L	20.0	5.9	1	10/06/21 06:27	10/07/21 11:34	7439-92-1	
Sodium	**60400**	ug/L	500	350	1	10/06/21 06:27	10/07/21 11:34	7440-23-5	
Total Hardness by 2340B	**479**	mg/L	2.0	0.15	1	10/06/21 06:27	10/07/21 11:34		
Zinc	**<11.6**	ug/L	40.0	11.6	1	10/06/21 06:27	10/07/21 11:34	7440-66-6	
9222D MICRO Fecal Coli by MF	Analytical Method: SM 9222D Preparation Method: SM 9222D Pace Analytical Services - Green Bay								
Fecal Coliforms	**35.0**	CFU/100 mL	5.0	5.0	5	10/05/21 11:15	10/05/21 11:15		H3
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**36.0**	mg/L	10.0	2.2	5		10/16/21 02:12	16887-00-6	
350.1 Ammonia, Distilled	Analytical Method: EPA 350.1 Preparation Method: EPA 350.1 Pace Analytical Services - Green Bay								
Nitrogen, Ammonia	**130**	mg/L	5.0	1.4	10	10/07/21 21:09	10/08/21 00:01	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	**155**	mg/L	20.0	4.2	5	10/05/21 20:36	10/06/21 03:50	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay								
Nitrogen, NO2 plus NO3	**0.17J**	mg/L	0.25	0.059	1		10/13/21 12:52		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay								
Chemical Oxygen Demand	**167**	mg/L	50.0	14.7	1	10/17/21 22:45	10/18/21 01:39		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40234442

Sample: W-211004-RA-102 **Lab ID: 40234442006** Collected: 10/04/21 15:30 Received: 10/05/21 10:00 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	10/06/21 06:27	10/07/21 11:39	7440-50-8	
Iron	**4080**	ug/L	100	56.7	1	10/06/21 06:27	10/07/21 11:39	7439-89-6	
Lead	**<5.9**	ug/L	20.0	5.9	1	10/06/21 06:27	10/07/21 11:39	7439-92-1	
Sodium	**24000**	ug/L	500	350	1	10/06/21 06:27	10/07/21 11:39	7440-23-5	
Total Hardness by 2340B	**78.2**	mg/L	2.0	0.15	1	10/06/21 06:27	10/07/21 11:39		
Zinc	**<11.6**	ug/L	40.0	11.6	1	10/06/21 06:27	10/07/21 11:39	7440-66-6	
9222D MICRO Fecal Coli by MF	Analytical Method: SM 9222D Preparation Method: SM 9222D Pace Analytical Services - Green Bay								
Fecal Coliforms	**8.57**	CFU/100 mL	1.4	1.4	1.429	10/05/21 11:15	10/05/21 11:15		H3
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**51.7**	mg/L	10.0	2.2	5		10/16/21 02:27	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	10/07/21 21:09	10/07/21 22:55	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	**0.31J**	mg/L	1.0	0.21	1	10/05/21 20:36	10/06/21 03:28	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay								
Nitrogen, NO2 plus NO3	**0.14J**	mg/L	0.25	0.059	1		10/13/21 12:53		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay								
Chemical Oxygen Demand	**30.5J**	mg/L	50.0	14.7	1	10/17/21 22:45	10/18/21 01:39		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40234442

QC Batch: 397896
QC Batch Method: SM 9222D
Analysis Method: SM 9222D
Analysis Description: 9222D MICRO Fecal Coliform by MF
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40234442004, 40234442005, 40234442006

METHOD BLANK: 2294258 Matrix: Water
Associated Lab Samples: 40234442004, 40234442005, 40234442006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fecal Coliforms	CFU/100 mL	<1.00	1.0	10/05/21 11:15	

METHOD BLANK: 2294260 Matrix: Water
Associated Lab Samples: 40234442004, 40234442005, 40234442006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fecal Coliforms	CFU/100 mL	<1.00	1.0	10/05/21 11:15	

SAMPLE DUPLICATE: 2294259

Parameter	Units	40234442004 Result	Dup Result	RPD	Max RPD	Qualifiers
Fecal Coliforms	CFU/100 mL	42.0	36.0			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40234442

QC Batch: 397602
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40234442004, 40234442005, 40234442006

METHOD BLANK: 2294762 Matrix: Water
Associated Lab Samples: 40234442004, 40234442005, 40234442006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	<3.4	10.0	10/07/21 11:15	
Iron	ug/L	<56.7	100	10/07/21 11:15	
Lead	ug/L	<5.9	20.0	10/07/21 11:15	
Sodium	ug/L	<350	500	10/08/21 10:58	
Total Hardness by 2340B	mg/L	0.22J	2.0	10/07/21 11:15	
Zinc	ug/L	<11.6	40.0	10/07/21 11:15	

LABORATORY CONTROL SAMPLE: 2294763

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	250	263	105	80-120	
Iron	ug/L	10000	10200	102	80-120	
Lead	ug/L	250	261	104	80-120	
Sodium	ug/L	10000	10900	109	80-120	
Total Hardness by 2340B	mg/L		68.5			
Zinc	ug/L	250	256	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2294764 2294765

Parameter	Units	40234442004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	ug/L	<3.4	250	250	262	260	105	104	75-125	1	20	
Iron	ug/L	3440	10000	10000	13200	13300	98	99	75-125	1	20	
Lead	ug/L	<5.9	250	250	258	261	101	103	75-125	1	20	
Sodium	ug/L	30200	10000	10000	39100	39500	90	94	75-125	1	20	
Total Hardness by 2340B	mg/L	120			185	185				0	20	
Zinc	ug/L	<11.6	250	250	254	252	100	100	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40234442

QC Batch: 398349
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40234442004, 40234442005, 40234442006

METHOD BLANK: 2299501 Matrix: Water
Associated Lab Samples: 40234442004, 40234442005, 40234442006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.43	2.0	10/15/21 19:16	

LABORATORY CONTROL SAMPLE: 2299502

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	21.5	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2299503 2299504

Parameter	Units	40234646004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	569	400	400	979	932	103	91	90-110	5	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2299505 2299506

Parameter	Units	40234442006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	51.7	100	100	161	161	109	109	90-110	0	15	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40234442

QC Batch: 397848
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia, Distilled
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40234442004, 40234442005, 40234442006

METHOD BLANK: 2296814 Matrix: Water
Associated Lab Samples: 40234442004, 40234442005, 40234442006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.14	0.50	10/07/21 22:25	

LABORATORY CONTROL SAMPLE: 2296815

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2296816 2296817

Parameter	Units	40234434001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	<0.14	10	10	10.4	10.3	104	103	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2296818 2296819

Parameter	Units	40234445001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.15J	10	10	10.5	10.5	104	104	90-110	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40234442

QC Batch: 397588
QC Batch Method: EPA 351.2
Analysis Method: EPA 351.2
Analysis Description: 351.2 TKN
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40234442004, 40234442005, 40234442006

METHOD BLANK: 2294730 Matrix: Water
Associated Lab Samples: 40234442004, 40234442005, 40234442006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.21	1.0	10/06/21 03:03	

LABORATORY CONTROL SAMPLE: 2294731

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	5	4.6	92	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2294732 2294733

Parameter	Units	40234316002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	118	50	50	168	170	102	105	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2294734 2294735

Parameter	Units	40234429001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	98.2	20	20	121	124	116	128	90-110	2	20	P6

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40234442

QC Batch: 398353
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, preserved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40234442004, 40234442005, 40234442006

METHOD BLANK: 2299524 Matrix: Water
Associated Lab Samples: 40234442004, 40234442005, 40234442006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.059	0.25	10/13/21 12:36	

LABORATORY CONTROL SAMPLE: 2299525

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: 2299526 2299527

Parameter	Units	40234609003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	<0.059	2.5	2.5	2.3	2.3	92	92	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2299528 2299529

Parameter	Units	40234569002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	2.0	2.5	2.5	4.3	4.3	95	94	90-110	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40234442

QC Batch: 398752
QC Batch Method: EPA 410.4
Analysis Method: EPA 410.4
Analysis Description: 410.4 COD
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40234442004, 40234442005, 40234442006

METHOD BLANK: 2302472 Matrix: Water
Associated Lab Samples: 40234442004, 40234442005, 40234442006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<14.7	50.0	10/18/21 01:36	

LABORATORY CONTROL SAMPLE: 2302473

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	540	108	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2302474 2302475

Parameter	Units	40234656001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	34.4J	526	526	587	594	105	106	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2302476 2302477

Parameter	Units	40234442004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	41.5J	526	526	590	585	104	103	90-110	1	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40234442

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11115796 RHINELANDER LF
Pace Project No.: 40234442

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40234442004	**W-211004-RA-100**	EPA 3010A	397602	EPA 6010D	397674
40234442005	**W-211004-RA-101**	EPA 3010A	397602	EPA 6010D	397674
40234442006	**W-211004-RA-102**	EPA 3010A	397602	EPA 6010D	397674
40234442004	**W-211004-RA-100**	SM 9222D	397551	SM 9222D	397896
40234442005	**W-211004-RA-101**	SM 9222D	397551	SM 9222D	397896
40234442006	**W-211004-RA-102**	SM 9222D	397551	SM 9222D	397896
40234442004	**W-211004-RA-100**	EPA 300.0	398349		
40234442005	**W-211004-RA-101**	EPA 300.0	398349		
40234442006	**W-211004-RA-102**	EPA 300.0	398349		
40234442004	**W-211004-RA-100**	EPA 350.1	397848	EPA 350.1	397852
40234442005	**W-211004-RA-101**	EPA 350.1	397848	EPA 350.1	397852
40234442006	**W-211004-RA-102**	EPA 350.1	397848	EPA 350.1	397852
40234442004	**W-211004-RA-100**	EPA 351.2	397588	EPA 351.2	397595
40234442005	**W-211004-RA-101**	EPA 351.2	397588	EPA 351.2	397595
40234442006	**W-211004-RA-102**	EPA 351.2	397588	EPA 351.2	397595
40234442004	**W-211004-RA-100**	EPA 353.2	398353		
40234442005	**W-211004-RA-101**	EPA 353.2	398353		
40234442006	**W-211004-RA-102**	EPA 353.2	398353		
40234442004	**W-211004-RA-100**	EPA 410.4	398752	EPA 410.4	398755
40234442005	**W-211004-RA-101**	EPA 410.4	398752	EPA 410.4	398755
40234442006	**W-211004-RA-102**	EPA 410.4	398752	EPA 410.4	398755

Pace Analytical®

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here 40234442

ALL SHADED AREAS are for LAB USE ONLY

Company: GHD

Billing Information: GHD

Address: 900 Long Lake Rd

Report To: Grant Anderson

Email To: Grant.Anderson@GHD.com

Copy To:

Site Collection Info/Address:

Customer Project Name/Number: Rhinelander LF 11115796

State: WI County/City: Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET

Phone:
Email:

Site/Facility ID #:

Compliance Monitoring? [ ] Yes [ ] No

Collected By (print): Ryan Aamot

Purchase Order #:
Quote #:

DW PWS ID #:
DW Location Code:

Collected By (signature):

Turnaround Date Required:

Immediately Packed on Ice: [X] 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 [X] 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 ______

* 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 Date	Collected Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	VOCs + Tetrahydrofuran	Ammonia + TKN	Fecal Coliform	Metals / Hardness	Ammonia, N+N, TKN	COD + Chloride	Lab Sample # / Comments
W-211004-RA-01	GW	G	10/4	1355				4	X	X					001
W-211004-RA-02	GW		10/4	1405				3	X						002
W-211004-RA-03	GW		10/4	1420				4	X	X					003
W-2110-04-RA-100	SW		10/4	1505				4			X	X	X	X	004
W-211004-RA-101	SW		10/4	1515				4			X	X	X	X	005
W-211004-RA-102	SW		10/4	1530				4			X	X	X	X	006
trip blank								1	X						007

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:

See COC 10/5/21 SW

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 #: 2685631

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: ___ oC
Cooler 1 Therm Corr. Factor: ___ oC
Cooler 1 Corrected Temp: ___ oC
Comments:

See COC 10/5/21 SW

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	MTJL LAB USE ONLY
[signature] / GHD	10/4/21 1630			Table #:
FedEx	10/5/21 1000	Susan [signature] Pace	10/5/21 1000	Acctnum: Template: Prelogin:
				PM: PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: Page 17 of 19
of: ______

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

Client Name: GHD

Sample Preservation Receipt Form

Project # 40234442

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

Initial when completed: SKW Date/Time:

Lab Lot# of pH paper: 10P3604 Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass: AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	Plastic: BP1U	BP3U	BP3B	BP3N	BP3S	Vials: VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	Jars: JGFU	JG9U	WGFU	WPFU	General: SP5T	ZPLC	GN	VOA Vials (>6mm)*	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001													1				3											X					2.5 / 5 / 10
002																	3																2.5 / 5 / 10
003													1				3											X					2.5 / 5 / 10
004										1		1	1											1				X			X		2.5 / 5 / 10
005										1		1	1											1				X			X		2.5 / 5 / 10
006										1		1	1											1				X			X		2.5 / 5 / 10
007																	2																2.5 / 5 / 10
008																																	2.5 / 5 / 10
009																																	2.5 / 5 / 10
010																																	2.5 / 5 / 10
011																																	2.5 / 5 / 10
012																																	2.5 / 5 / 10
013																																	2.5 / 5 / 10
014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

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

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

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

Sample Condition Upon Receipt Form (SCUR)

Client Name: GHD

Project #: WO# : 40234442

40234442

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

Tracking #: 815735133378

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:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 3.5 /Corr: 3

Temp Blank Present: ☑ yes ☐ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Person examining contents: Date: 10/5/21 /Initials: SRK

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

Labeled By Initials: SRK

Chain of Custody Present:	☑Yes ☐No ☐N/A	1. +2 CC 10/5/21 SRK
Chain of Custody Filled Out:	☐Yes ☑No ☐N/A	2. Preserve, Pg # 10/5/21 SRK
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☑Yes ☐No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD:	☐Yes ☑No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☐Yes ☑No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W	☐Yes ☑No ☐N/A	12. 001 + 003 BP3S No label Cap has 1 and 3 written on it determined placement.
Trip Blank Present:	☑Yes ☐No ☐N/A	13. No times on all samples 10/5/21 SRK
Trip Blank Custody Seals Present	☑Yes ☐No ☐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 logi

Page 2 of 2

Appendix B

Groundwater Sampling Laboratory Reports

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

April 20, 2021

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

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

Dear Grant Anderson:

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

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

- Pace Analytical Services - Green Bay

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

Sincerely,

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

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

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

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

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

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

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

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

PASI-G = Pace Analytical Services - Green Bay

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

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

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

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

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

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

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

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

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

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

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

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		04/09/21 14:56	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		04/09/21 14:56	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		04/09/21 14:56	127-18-4	
Tetrahydrofuran	**<2.3**	ug/L	20.0	2.3	1		04/09/21 14:56	109-99-9	
Toluene	**<0.27**	ug/L	1.0	0.27	1		04/09/21 14:56	108-88-3	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		04/09/21 14:56	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/09/21 14:56	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/09/21 14:56	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		04/09/21 14:56	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/09/21 14:56	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		04/09/21 14:56	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		04/09/21 14:56	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		04/09/21 14:56	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		04/09/21 14:56	108-67-8	
Vinyl chloride	**0.83J**	ug/L	1.0	0.17	1		04/09/21 14:56	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		04/09/21 14:56	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		04/09/21 14:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		04/09/21 14:56	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		04/09/21 14:56	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		04/09/21 14:56	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.4**	Std. Units			1		04/06/21 14:59		
Field Specific Conductance	**403**	umhos/cm			1		04/06/21 14:59		
Oxygen, Dissolved	**0.52**	mg/L			1		04/06/21 14:59	7782-44-7	
REDOX	**-60**	mV			1		04/06/21 14:59		
Turbidity	**0**	NTU			1		04/06/21 14:59		
Temperature, Water (C)	**10.92**	deg C			1		04/06/21 14:59		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

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

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

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

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

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

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

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

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

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

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

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

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

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

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

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

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

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

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

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

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

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

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

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

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

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

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

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

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

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

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

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

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

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

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

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

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

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

REPORT OF LABORATORY ANALYSIS

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

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

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

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

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

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

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

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

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

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

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

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

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

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

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

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

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

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

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

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

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

LABORATORY CONTROL SAMPLE: 2201734

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

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

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

LABORATORY CONTROL SAMPLE: 2201734

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2201735 2201736

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

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2201735 2201736

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

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

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

QC Batch: 381841
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40224582007, 40224582008, 40224582009

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

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

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

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

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

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

LABORATORY CONTROL SAMPLE: 2202078

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

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

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

LABORATORY CONTROL SAMPLE: 2202078

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2203069 2203070

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

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2203069 2203070

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

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

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

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

Associated Lab Samples: 40224582010

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

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

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

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

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

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

LABORATORY CONTROL SAMPLE: 2205391

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

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

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

LABORATORY CONTROL SAMPLE: 2205391

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2206639 2206640

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

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2206639 2206640

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

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

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

QC Batch: 382459
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia, Distilled
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40224582009

METHOD BLANK: 2205817 Matrix: Water
Associated Lab Samples: 40224582009

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

LABORATORY CONTROL SAMPLE: 2205818

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2205819 2205820

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2205821 2205822

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

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

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

QC Batch: 382303
QC Batch Method: EPA 351.2
Analysis Method: EPA 351.2
Analysis Description: 351.2 TKN
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40224582009

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

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

LABORATORY CONTROL SAMPLE: 2205124

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2205125 2205126

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2205127 2205128

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

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

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

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

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

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

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

40224582

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

(Please Print Clearly)	
Company Name:	GHD
Branch/Location:	St. Paul
Project Contact:	Grant Anderson
Phone:	612-524-6836
Project Number:	11115796
Project Name:	Rhinelander LF GW
Project State:	Wisconsin
Sampled By (Print):	R. Coy
Sampled By (Sign):	
PO #:	Regulatory Program:

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

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOC	Tetrahydrofuran	Ammonia + TKN
001	W-210406-KJ-01	4/6/21	1459	GW	N	B	X	X	
002	02		1459		N	B	X	X	
003	03		1456		N	B	X	X	
004	04		1445		N	B	X	X	
005	05		1508		N	B	X	X	
006	06		1539		N	B	X	X	
007	07		1551		N	B	X	X	
008	08		1554		N	B	X	X	
009	09		1644		N	B	X	X	X
010	10		1652		N	C	X	X	

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #

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

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

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	4/7/21 0812	Susan K Mylie/pace	4/7/21 0812

PACE Project No. 40224582

Receipt Temp = 4 °C

Sample Receipt pH
(OK) Adjusted

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

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Client Name: GHD

Sample Preservation Receipt Form

Project # 40224582

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

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

Lab Lot# of pH paper: 10D31601 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: EW Date/ Time:

Pace Lab #	Glass: AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	Plastic: BP1U	BP3U	BP3B	BP3N	BP3S	Vials: VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	Jars: JGFU	JG9U	WGFU	WPFU	General: SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001																	3															2.5 / 5 / 10
002																	3															2.5 / 5 / 10
003																	3															2.5 / 5 / 10
004																	3															2.5 / 5 / 10
005																	3															2.5 / 5 / 10
006																	3															2.5 / 5 / 10
007																	3															2.5 / 5 / 10
008																	3															2.5 / 5 / 10
009													1				3										2	X					2.5 / 5 / 10
010																	3															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																											4/7/21	8W					2.5 / 5 / 10

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

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

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

Sample Condition Upon Receipt Form (SCUR)

Client Name: GHD

Project #: WO#: 40224582

40224582

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

Tracking #: _____

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

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

Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other _____

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

Cooler Temperature Uncorr: 4 /Corr: 4

Temp Blank Present: ☒ yes ☐ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Person examining contents: Date: 4-7-21 /Initials: SCW

Labeled By Initials: [illegible]

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

Page 2 of 2

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

January 21, 2022

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

RE: Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Dear Grant Anderson:

Enclosed are the analytical results for sample(s) received by the laboratory between October 05, 2021 and October 06, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,

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

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40234561001	**MW-5A**	Water	10/04/21 15:20	10/06/21 09:50
40234561002	**MW-5A DUP**	Water	10/04/21 15:20	10/06/21 09:50
40234561003	**MW-4A**	Water	10/04/21 15:40	10/06/21 09:50
40234561004	**MW-25B**	Water	10/04/21 16:00	10/06/21 09:50
40234561005	**MW-16C**	Water	10/04/21 16:25	10/06/21 09:50
40234561006	**MW-16B**	Water	10/04/21 16:35	10/06/21 09:50
40234561007	**MW-16A**	Water	10/05/21 16:40	10/06/21 09:50
40234561008	**MW-3A**	Water	10/05/21 09:10	10/06/21 09:50
40234561009	**MW-18B**	Water	10/05/21 08:01	10/06/21 09:50
40234561010	**FIELD BLANK**	Water	10/05/21 07:40	10/06/21 09:50
40234561011	**MW-18C**	Water	10/05/21 08:05	10/06/21 09:50
40234561012	**MW-18A**	Water	10/05/21 08:23	10/06/21 09:50
40234561013	**MW-20C**	Water	10/05/21 09:54	10/06/21 09:50
40234561014	**MW-26B**	Water	10/05/21 08:50	10/06/21 09:50
40234561015	**MW-26C**	Water	10/05/21 08:46	10/06/21 09:50
40234561016	**MW-20B**	Water	10/05/21 09:31	10/06/21 09:50
40234561017	**MW-20A**	Water	10/05/21 09:45	10/06/21 09:50
40234561018	**MW-28A**	Water	10/05/21 10:30	10/06/21 09:50
40234561019	**MW-27B**	Water	10/05/21 10:33	10/06/21 09:50
40234561020	**TRIP BLANK**	Water	10/05/21 00:00	10/06/21 09:50
40234442001	**MW-2B**	Water	10/04/21 13:55	10/05/21 10:00
40234442002	**MW-2A**	Water	10/04/21 14:05	10/05/21 10:00
40234442003	**MW-21A**	Water	10/04/21 14:20	10/05/21 10:00
40234442007	**TRIP BLANK**	Water	10/04/21 00:00	10/05/21 10:00

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40234561001	**MW-5A**	EPA 8260	LAP	65
40234561002	**MW-5A DUP**	EPA 8260	LAP	65
40234561003	**MW-4A**	EPA 8260	LAP	65
40234561004	**MW-25B**	EPA 8260	LAP	65
40234561005	**MW-16C**	EPA 8260	LAP	65
40234561006	**MW-16B**	EPA 8260	LAP	65
40234561007	**MW-16A**	EPA 8260	LAP	65
40234561008	**MW-3A**	EPA 8260	LAP	65
		EPA 350.1	TMK	1
		EPA 351.2	TMK	1
40234561009	**MW-18B**	EPA 8260	LAP	65
40234561010	**FIELD BLANK**	EPA 8260	LAP	65
40234561011	**MW-18C**	EPA 8260	LAP	65
40234561012	**MW-18A**	EPA 8260	LAP	65
40234561013	**MW-20C**	EPA 8260	LAP	65
40234561014	**MW-26B**	EPA 8260	LAP	65
40234561015	**MW-26C**	EPA 8260	LAP	65
40234561016	**MW-20B**	EPA 8260	LAP	65
40234561017	**MW-20A**	EPA 8260	LAP	65
40234561018	**MW-28A**	EPA 8260	LAP	65
40234561019	**MW-27B**	EPA 8260	LAP	65
40234561020	**TRIP BLANK**	EPA 8260	LAP	65
40234442001	**MW-2B**	EPA 8260	LAP	65
40234442002	**MW-2A**	EPA 8260	LAP	65
		EPA 350.1	TMK	1
		EPA 351.2	TMK	1
40234442003	**MW-21A**	EPA 8260	LAP	65
		EPA 350.1	TMK	1
		EPA 351.2	TMK	1
40234442007	**TRIP BLANK**	EPA 8260	LAP	65

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-5A **Lab ID: 40234561001** Collected: 10/04/21 15:20 Received: 10/06/21 09:50 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		10/08/21 21:03	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 21:03	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/08/21 21:03	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 21:03	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/08/21 21:03	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/08/21 21:03	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 21:03	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		10/08/21 21:03	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/08/21 21:03	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/08/21 21:03	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 21:03	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/08/21 21:03	75-00-3	L1
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/08/21 21:03	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/08/21 21:03	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 21:03	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 21:03	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/08/21 21:03	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/08/21 21:03	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/08/21 21:03	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/08/21 21:03	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 21:03	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 21:03	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/08/21 21:03	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/08/21 21:03	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 21:03	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/08/21 21:03	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/08/21 21:03	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/08/21 21:03	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/08/21 21:03	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/08/21 21:03	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 21:03	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		10/08/21 21:03	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 21:03	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 21:03	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/08/21 21:03	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 21:03	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 21:03	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/08/21 21:03	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		10/08/21 21:03	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 21:03	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/08/21 21:03	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 21:03	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		10/08/21 21:03	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 21:03	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 21:03	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-5A **Lab ID: 40234561001** Collected: 10/04/21 15:20 Received: 10/06/21 09:50 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		10/08/21 21:03	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/08/21 21:03	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 21:03	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		10/08/21 21:03	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/08/21 21:03	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 21:03	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/08/21 21:03	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 21:03	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/08/21 21:03	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/08/21 21:03	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 21:03	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		10/08/21 21:03	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		10/08/21 21:03	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 21:03	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/08/21 21:03	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		10/08/21 21:03	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 21:03	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/08/21 21:03	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/08/21 21:03	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		10/08/21 21:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-5A DUP **Lab ID: 40234561002** Collected: 10/04/21 15:20 Received: 10/06/21 09:50 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		10/08/21 18:27	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 18:27	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/08/21 18:27	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 18:27	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/08/21 18:27	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/08/21 18:27	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 18:27	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		10/08/21 18:27	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/08/21 18:27	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/08/21 18:27	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 18:27	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/08/21 18:27	75-00-3	L1
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/08/21 18:27	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/08/21 18:27	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 18:27	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 18:27	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/08/21 18:27	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/08/21 18:27	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/08/21 18:27	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/08/21 18:27	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 18:27	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 18:27	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/08/21 18:27	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/08/21 18:27	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 18:27	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/08/21 18:27	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/08/21 18:27	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/08/21 18:27	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/08/21 18:27	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/08/21 18:27	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 18:27	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		10/08/21 18:27	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 18:27	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 18:27	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/08/21 18:27	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 18:27	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 18:27	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/08/21 18:27	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		10/08/21 18:27	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 18:27	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/08/21 18:27	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 18:27	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		10/08/21 18:27	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 18:27	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 18:27	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-5A DUP **Lab ID: 40234561002** Collected: 10/04/21 15:20 Received: 10/06/21 09:50 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		10/08/21 18:27	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/08/21 18:27	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 18:27	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		10/08/21 18:27	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/08/21 18:27	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 18:27	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/08/21 18:27	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 18:27	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/08/21 18:27	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/08/21 18:27	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 18:27	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		10/08/21 18:27	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		10/08/21 18:27	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 18:27	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/08/21 18:27	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		10/08/21 18:27	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 18:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/08/21 18:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/08/21 18:27	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		10/08/21 18:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-4A **Lab ID: 40234561003** Collected: 10/04/21 15:40 Received: 10/06/21 09:50 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		10/08/21 18:47	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 18:47	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/08/21 18:47	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 18:47	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/08/21 18:47	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/08/21 18:47	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 18:47	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		10/08/21 18:47	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/08/21 18:47	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/08/21 18:47	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 18:47	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/08/21 18:47	75-00-3	L1
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/08/21 18:47	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/08/21 18:47	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 18:47	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 18:47	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/08/21 18:47	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/08/21 18:47	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/08/21 18:47	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/08/21 18:47	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 18:47	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 18:47	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/08/21 18:47	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/08/21 18:47	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 18:47	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/08/21 18:47	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/08/21 18:47	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/08/21 18:47	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/08/21 18:47	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/08/21 18:47	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 18:47	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		10/08/21 18:47	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 18:47	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 18:47	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/08/21 18:47	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 18:47	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 18:47	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/08/21 18:47	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		10/08/21 18:47	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 18:47	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/08/21 18:47	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 18:47	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		10/08/21 18:47	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 18:47	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 18:47	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-4A **Lab ID: 40234561003** Collected: 10/04/21 15:40 Received: 10/06/21 09:50 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		10/08/21 18:47	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/08/21 18:47	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 18:47	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		10/08/21 18:47	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/08/21 18:47	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 18:47	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/08/21 18:47	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 18:47	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/08/21 18:47	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/08/21 18:47	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 18:47	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		10/08/21 18:47	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		10/08/21 18:47	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 18:47	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/08/21 18:47	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		10/08/21 18:47	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 18:47	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/08/21 18:47	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/08/21 18:47	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		10/08/21 18:47	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-25B **Lab ID: 40234561004** Collected: 10/04/21 16:00 Received: 10/06/21 09:50 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		10/08/21 19:06	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 19:06	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/08/21 19:06	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 19:06	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/08/21 19:06	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/08/21 19:06	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 19:06	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		10/08/21 19:06	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/08/21 19:06	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/08/21 19:06	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 19:06	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/08/21 19:06	75-00-3	L1
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/08/21 19:06	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/08/21 19:06	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 19:06	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 19:06	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/08/21 19:06	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/08/21 19:06	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/08/21 19:06	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/08/21 19:06	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 19:06	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 19:06	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/08/21 19:06	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/08/21 19:06	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 19:06	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/08/21 19:06	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/08/21 19:06	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/08/21 19:06	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/08/21 19:06	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/08/21 19:06	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 19:06	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		10/08/21 19:06	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 19:06	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 19:06	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/08/21 19:06	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 19:06	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 19:06	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/08/21 19:06	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		10/08/21 19:06	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 19:06	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/08/21 19:06	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 19:06	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		10/08/21 19:06	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 19:06	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 19:06	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-25B **Lab ID: 40234561004** Collected: 10/04/21 16:00 Received: 10/06/21 09:50 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		10/08/21 19:06	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/08/21 19:06	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 19:06	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		10/08/21 19:06	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/08/21 19:06	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 19:06	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/08/21 19:06	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 19:06	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/08/21 19:06	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/08/21 19:06	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 19:06	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		10/08/21 19:06	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		10/08/21 19:06	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 19:06	108-67-8	
Vinyl chloride	**1.6**	ug/L	1.0	0.17	1		10/08/21 19:06	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		10/08/21 19:06	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 19:06	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/08/21 19:06	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/08/21 19:06	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		10/08/21 19:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-16C **Lab ID: 40234561005** Collected: 10/04/21 16:25 Received: 10/06/21 09:50 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	**0.82J**	ug/L	1.0	0.30	1		10/08/21 21:22	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 21:22	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/08/21 21:22	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 21:22	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/08/21 21:22	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/08/21 21:22	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 21:22	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		10/08/21 21:22	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/08/21 21:22	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/08/21 21:22	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 21:22	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/08/21 21:22	75-00-3	L1
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/08/21 21:22	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/08/21 21:22	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 21:22	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 21:22	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/08/21 21:22	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/08/21 21:22	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/08/21 21:22	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/08/21 21:22	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 21:22	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 21:22	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/08/21 21:22	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/08/21 21:22	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 21:22	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/08/21 21:22	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/08/21 21:22	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/08/21 21:22	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/08/21 21:22	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/08/21 21:22	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 21:22	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		10/08/21 21:22	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 21:22	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 21:22	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/08/21 21:22	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 21:22	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 21:22	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/08/21 21:22	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		10/08/21 21:22	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 21:22	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/08/21 21:22	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 21:22	1634-04-4	
Naphthalene	**2.3J**	ug/L	5.0	1.1	1		10/08/21 21:22	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 21:22	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 21:22	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-16C **Lab ID: 40234561005** Collected: 10/04/21 16:25 Received: 10/06/21 09:50 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		10/08/21 21:22	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/08/21 21:22	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 21:22	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		10/08/21 21:22	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/08/21 21:22	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 21:22	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/08/21 21:22	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 21:22	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/08/21 21:22	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/08/21 21:22	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 21:22	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		10/08/21 21:22	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		10/08/21 21:22	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 21:22	108-67-8	
Vinyl chloride	**0.46J**	ug/L	1.0	0.17	1		10/08/21 21:22	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		10/08/21 21:22	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 21:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/08/21 21:22	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		10/08/21 21:22	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		10/08/21 21:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-16B **Lab ID: 40234561006** Collected: 10/04/21 16:35 Received: 10/06/21 09:50 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	**0.98J**	ug/L	1.0	0.30	1		10/08/21 21:42	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 21:42	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/08/21 21:42	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 21:42	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/08/21 21:42	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/08/21 21:42	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 21:42	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		10/08/21 21:42	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/08/21 21:42	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/08/21 21:42	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 21:42	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/08/21 21:42	75-00-3	L1
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/08/21 21:42	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/08/21 21:42	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 21:42	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 21:42	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/08/21 21:42	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/08/21 21:42	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/08/21 21:42	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/08/21 21:42	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 21:42	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 21:42	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/08/21 21:42	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/08/21 21:42	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 21:42	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/08/21 21:42	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/08/21 21:42	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/08/21 21:42	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/08/21 21:42	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/08/21 21:42	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 21:42	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		10/08/21 21:42	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 21:42	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 21:42	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/08/21 21:42	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 21:42	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 21:42	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/08/21 21:42	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		10/08/21 21:42	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 21:42	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/08/21 21:42	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 21:42	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		10/08/21 21:42	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 21:42	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 21:42	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-16B **Lab ID: 40234561006** Collected: 10/04/21 16:35 Received: 10/06/21 09:50 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		10/08/21 21:42	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/08/21 21:42	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 21:42	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		10/08/21 21:42	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/08/21 21:42	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 21:42	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/08/21 21:42	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 21:42	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/08/21 21:42	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/08/21 21:42	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 21:42	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		10/08/21 21:42	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		10/08/21 21:42	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 21:42	108-67-8	
Vinyl chloride	**0.39J**	ug/L	1.0	0.17	1		10/08/21 21:42	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		10/08/21 21:42	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 21:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/08/21 21:42	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/08/21 21:42	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		10/08/21 21:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-16A **Lab ID: 40234561007** Collected: 10/05/21 16:40 Received: 10/06/21 09:50 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	**0.47J**	ug/L	1.0	0.30	1		10/08/21 22:01	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 22:01	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/08/21 22:01	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 22:01	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/08/21 22:01	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/08/21 22:01	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 22:01	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		10/08/21 22:01	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/08/21 22:01	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/08/21 22:01	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 22:01	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/08/21 22:01	75-00-3	L1
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/08/21 22:01	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/08/21 22:01	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 22:01	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 22:01	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/08/21 22:01	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/08/21 22:01	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/08/21 22:01	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/08/21 22:01	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 22:01	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 22:01	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/08/21 22:01	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/08/21 22:01	75-71-8	
1,1-Dichloroethane	**0.31J**	ug/L	1.0	0.30	1		10/08/21 22:01	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/08/21 22:01	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/08/21 22:01	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/08/21 22:01	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/08/21 22:01	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/08/21 22:01	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 22:01	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		10/08/21 22:01	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 22:01	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 22:01	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/08/21 22:01	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 22:01	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 22:01	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/08/21 22:01	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		10/08/21 22:01	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 22:01	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/08/21 22:01	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 22:01	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		10/08/21 22:01	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 22:01	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 22:01	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-16A **Lab ID: 40234561007** Collected: 10/05/21 16:40 Received: 10/06/21 09:50 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		10/08/21 22:01	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/08/21 22:01	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 22:01	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		10/08/21 22:01	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/08/21 22:01	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 22:01	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/08/21 22:01	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 22:01	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/08/21 22:01	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/08/21 22:01	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 22:01	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		10/08/21 22:01	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		10/08/21 22:01	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 22:01	108-67-8	
Vinyl chloride	**1.8**	ug/L	1.0	0.17	1		10/08/21 22:01	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		10/08/21 22:01	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 22:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/08/21 22:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/08/21 22:01	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		10/08/21 22:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-3A **Lab ID: 40234561008** Collected: 10/05/21 09:10 Received: 10/06/21 09:50 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	**1.2**	ug/L	1.0	0.30	1		10/09/21 00:17	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		10/09/21 00:17	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/09/21 00:17	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/09/21 00:17	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/09/21 00:17	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/09/21 00:17	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/09/21 00:17	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		10/09/21 00:17	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/09/21 00:17	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/09/21 00:17	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/09/21 00:17	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/09/21 00:17	75-00-3	L1
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/09/21 00:17	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/09/21 00:17	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/09/21 00:17	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/09/21 00:17	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/09/21 00:17	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/09/21 00:17	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/09/21 00:17	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/09/21 00:17	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/09/21 00:17	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/09/21 00:17	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/09/21 00:17	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/09/21 00:17	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/09/21 00:17	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/09/21 00:17	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/09/21 00:17	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/09/21 00:17	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/09/21 00:17	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/09/21 00:17	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		10/09/21 00:17	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		10/09/21 00:17	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		10/09/21 00:17	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/09/21 00:17	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/09/21 00:17	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		10/09/21 00:17	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/09/21 00:17	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/09/21 00:17	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		10/09/21 00:17	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/09/21 00:17	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/09/21 00:17	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/09/21 00:17	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		10/09/21 00:17	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		10/09/21 00:17	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/09/21 00:17	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-3A **Lab ID: 40234561008** Collected: 10/05/21 09:10 Received: 10/06/21 09:50 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		10/09/21 00:17	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/09/21 00:17	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/09/21 00:17	127-18-4	
Tetrahydrofuran	**61.6**	ug/L	25.0	2.4	1		10/09/21 00:17	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/09/21 00:17	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		10/09/21 00:17	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/09/21 00:17	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/09/21 00:17	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/09/21 00:17	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/09/21 00:17	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/09/21 00:17	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		10/09/21 00:17	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		10/09/21 00:17	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		10/09/21 00:17	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/09/21 00:17	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		10/09/21 00:17	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		10/09/21 00:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/09/21 00:17	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/09/21 00:17	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		10/09/21 00:17	2037-26-5	
350.1 Ammonia, Distilled	Analytical Method: EPA 350.1 Preparation Method: EPA 350.1								
	Pace Analytical Services - Green Bay								
Nitrogen, Ammonia	**56.5**	mg/L	5.0	1.4	10	10/14/21 21:22	10/14/21 22:34	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	**56.9**	mg/L	10.0	2.1	10	10/12/21 19:56	10/13/21 03:00	7727-37-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-18B **Lab ID: 40234561009** Collected: 10/05/21 08:01 Received: 10/06/21 09:50 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	**0.97J**	ug/L	1.0	0.30	1		10/08/21 22:21	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 22:21	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/08/21 22:21	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 22:21	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/08/21 22:21	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/08/21 22:21	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 22:21	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		10/08/21 22:21	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/08/21 22:21	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/08/21 22:21	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 22:21	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/08/21 22:21	75-00-3	L1
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/08/21 22:21	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/08/21 22:21	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 22:21	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 22:21	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/08/21 22:21	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/08/21 22:21	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/08/21 22:21	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/08/21 22:21	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 22:21	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 22:21	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/08/21 22:21	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/08/21 22:21	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 22:21	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/08/21 22:21	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/08/21 22:21	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/08/21 22:21	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/08/21 22:21	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/08/21 22:21	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 22:21	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		10/08/21 22:21	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 22:21	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 22:21	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/08/21 22:21	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 22:21	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 22:21	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/08/21 22:21	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		10/08/21 22:21	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 22:21	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/08/21 22:21	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 22:21	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		10/08/21 22:21	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 22:21	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 22:21	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-18B **Lab ID: 40234561009** Collected: 10/05/21 08:01 Received: 10/06/21 09:50 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		10/08/21 22:21	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/08/21 22:21	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 22:21	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		10/08/21 22:21	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/08/21 22:21	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 22:21	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/08/21 22:21	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 22:21	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/08/21 22:21	79-00-5	
Trichloroethene	**0.84J**	ug/L	1.0	0.32	1		10/08/21 22:21	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 22:21	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		10/08/21 22:21	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		10/08/21 22:21	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 22:21	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/08/21 22:21	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		10/08/21 22:21	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 22:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/08/21 22:21	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/08/21 22:21	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		10/08/21 22:21	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: FIELD BLANK **Lab ID: 40234561010** Collected: 10/05/21 07:40 Received: 10/06/21 09:50 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		10/08/21 19:26	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 19:26	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/08/21 19:26	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 19:26	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/08/21 19:26	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/08/21 19:26	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 19:26	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		10/08/21 19:26	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/08/21 19:26	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/08/21 19:26	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 19:26	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/08/21 19:26	75-00-3	L1
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/08/21 19:26	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/08/21 19:26	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 19:26	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 19:26	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/08/21 19:26	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/08/21 19:26	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/08/21 19:26	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/08/21 19:26	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 19:26	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 19:26	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/08/21 19:26	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/08/21 19:26	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 19:26	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/08/21 19:26	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/08/21 19:26	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/08/21 19:26	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/08/21 19:26	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/08/21 19:26	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 19:26	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		10/08/21 19:26	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 19:26	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 19:26	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/08/21 19:26	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 19:26	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 19:26	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/08/21 19:26	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		10/08/21 19:26	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 19:26	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/08/21 19:26	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 19:26	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		10/08/21 19:26	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 19:26	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 19:26	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: FIELD BLANK **Lab ID: 40234561010** Collected: 10/05/21 07:40 Received: 10/06/21 09:50 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		10/08/21 19:26	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/08/21 19:26	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 19:26	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		10/08/21 19:26	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/08/21 19:26	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 19:26	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/08/21 19:26	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 19:26	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/08/21 19:26	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/08/21 19:26	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 19:26	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		10/08/21 19:26	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		10/08/21 19:26	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 19:26	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/08/21 19:26	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		10/08/21 19:26	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 19:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/08/21 19:26	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/08/21 19:26	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		10/08/21 19:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-18C **Lab ID: 40234561011** Collected: 10/05/21 08:05 Received: 10/06/21 09:50 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	**0.76J**	ug/L	1.0	0.30	1		10/08/21 20:44	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 20:44	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/08/21 20:44	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 20:44	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/08/21 20:44	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/08/21 20:44	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 20:44	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		10/08/21 20:44	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/08/21 20:44	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/08/21 20:44	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 20:44	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/08/21 20:44	75-00-3	L1,M0
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/08/21 20:44	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/08/21 20:44	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 20:44	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 20:44	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/08/21 20:44	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/08/21 20:44	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/08/21 20:44	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/08/21 20:44	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 20:44	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 20:44	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/08/21 20:44	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/08/21 20:44	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 20:44	75-34-3	M1
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/08/21 20:44	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/08/21 20:44	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/08/21 20:44	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/08/21 20:44	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/08/21 20:44	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 20:44	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		10/08/21 20:44	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 20:44	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 20:44	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/08/21 20:44	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 20:44	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 20:44	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/08/21 20:44	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		10/08/21 20:44	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 20:44	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/08/21 20:44	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 20:44	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		10/08/21 20:44	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 20:44	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 20:44	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-18C **Lab ID: 40234561011** Collected: 10/05/21 08:05 Received: 10/06/21 09:50 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		10/08/21 20:44	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/08/21 20:44	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 20:44	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		10/08/21 20:44	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/08/21 20:44	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 20:44	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/08/21 20:44	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 20:44	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/08/21 20:44	79-00-5	
Trichloroethene	**0.61J**	ug/L	1.0	0.32	1		10/08/21 20:44	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 20:44	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		10/08/21 20:44	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		10/08/21 20:44	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 20:44	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/08/21 20:44	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		10/08/21 20:44	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 20:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/08/21 20:44	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		10/08/21 20:44	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		10/08/21 20:44	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-18A **Lab ID: 40234561012** Collected: 10/05/21 08:23 Received: 10/06/21 09:50 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		10/08/21 22:40	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 22:40	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/08/21 22:40	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 22:40	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/08/21 22:40	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/08/21 22:40	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 22:40	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		10/08/21 22:40	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/08/21 22:40	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/08/21 22:40	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 22:40	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/08/21 22:40	75-00-3	L1
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/08/21 22:40	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/08/21 22:40	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 22:40	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 22:40	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/08/21 22:40	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/08/21 22:40	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/08/21 22:40	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/08/21 22:40	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 22:40	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 22:40	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/08/21 22:40	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/08/21 22:40	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 22:40	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/08/21 22:40	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/08/21 22:40	75-35-4	
cis-1,2-Dichloroethene	**6.9**	ug/L	1.0	0.47	1		10/08/21 22:40	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/08/21 22:40	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/08/21 22:40	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 22:40	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		10/08/21 22:40	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 22:40	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 22:40	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/08/21 22:40	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 22:40	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 22:40	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/08/21 22:40	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		10/08/21 22:40	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 22:40	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/08/21 22:40	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 22:40	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		10/08/21 22:40	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 22:40	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 22:40	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-18A **Lab ID: 40234561012** Collected: 10/05/21 08:23 Received: 10/06/21 09:50 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		10/08/21 22:40	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/08/21 22:40	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 22:40	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		10/08/21 22:40	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/08/21 22:40	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 22:40	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/08/21 22:40	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 22:40	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/08/21 22:40	79-00-5	
Trichloroethene	**6.8**	ug/L	1.0	0.32	1		10/08/21 22:40	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 22:40	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		10/08/21 22:40	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		10/08/21 22:40	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 22:40	108-67-8	
Vinyl chloride	**0.23J**	ug/L	1.0	0.17	1		10/08/21 22:40	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		10/08/21 22:40	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 22:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/08/21 22:40	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/08/21 22:40	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		10/08/21 22:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-20C **Lab ID: 40234561013** Collected: 10/05/21 09:54 Received: 10/06/21 09:50 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		10/08/21 19:45	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 19:45	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/08/21 19:45	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 19:45	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/08/21 19:45	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/08/21 19:45	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 19:45	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		10/08/21 19:45	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/08/21 19:45	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/08/21 19:45	56-23-5	
Chlorobenzene	**1.4**	ug/L	1.0	0.86	1		10/08/21 19:45	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/08/21 19:45	75-00-3	L1
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/08/21 19:45	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/08/21 19:45	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 19:45	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 19:45	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/08/21 19:45	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/08/21 19:45	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/08/21 19:45	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/08/21 19:45	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 19:45	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 19:45	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/08/21 19:45	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/08/21 19:45	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 19:45	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/08/21 19:45	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/08/21 19:45	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/08/21 19:45	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/08/21 19:45	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/08/21 19:45	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 19:45	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		10/08/21 19:45	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 19:45	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 19:45	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/08/21 19:45	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 19:45	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 19:45	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/08/21 19:45	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		10/08/21 19:45	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 19:45	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/08/21 19:45	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 19:45	1634-04-4	
Naphthalene	**4.8J**	ug/L	5.0	1.1	1		10/08/21 19:45	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 19:45	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 19:45	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-20C **Lab ID: 40234561013** Collected: 10/05/21 09:54 Received: 10/06/21 09:50 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		10/08/21 19:45	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/08/21 19:45	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 19:45	127-18-4	
Tetrahydrofuran	**3.7J**	ug/L	25.0	2.4	1		10/08/21 19:45	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/08/21 19:45	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 19:45	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/08/21 19:45	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 19:45	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/08/21 19:45	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/08/21 19:45	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 19:45	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		10/08/21 19:45	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		10/08/21 19:45	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 19:45	108-67-8	
Vinyl chloride	**0.38J**	ug/L	1.0	0.17	1		10/08/21 19:45	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		10/08/21 19:45	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 19:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/08/21 19:45	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/08/21 19:45	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		10/08/21 19:45	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-26B **Lab ID: 40234561014** Collected: 10/05/21 08:50 Received: 10/06/21 09:50 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		10/08/21 23:00	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 23:00	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/08/21 23:00	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 23:00	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/08/21 23:00	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/08/21 23:00	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 23:00	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		10/08/21 23:00	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/08/21 23:00	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/08/21 23:00	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 23:00	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/08/21 23:00	75-00-3	L1
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/08/21 23:00	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/08/21 23:00	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 23:00	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 23:00	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/08/21 23:00	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/08/21 23:00	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/08/21 23:00	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/08/21 23:00	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 23:00	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 23:00	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/08/21 23:00	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/08/21 23:00	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 23:00	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/08/21 23:00	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/08/21 23:00	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/08/21 23:00	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/08/21 23:00	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/08/21 23:00	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 23:00	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		10/08/21 23:00	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 23:00	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 23:00	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/08/21 23:00	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 23:00	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 23:00	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/08/21 23:00	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		10/08/21 23:00	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 23:00	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/08/21 23:00	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 23:00	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		10/08/21 23:00	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 23:00	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 23:00	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-26B **Lab ID: 40234561014** Collected: 10/05/21 08:50 Received: 10/06/21 09:50 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		10/08/21 23:00	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/08/21 23:00	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 23:00	127-18-4	
Tetrahydrofuran	**3.6J**	ug/L	25.0	2.4	1		10/08/21 23:00	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/08/21 23:00	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 23:00	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/08/21 23:00	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 23:00	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/08/21 23:00	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/08/21 23:00	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 23:00	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		10/08/21 23:00	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		10/08/21 23:00	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 23:00	108-67-8	
Vinyl chloride	**0.86J**	ug/L	1.0	0.17	1		10/08/21 23:00	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		10/08/21 23:00	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 23:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/08/21 23:00	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		10/08/21 23:00	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		10/08/21 23:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-26C **Lab ID: 40234561015** Collected: 10/05/21 08:46 Received: 10/06/21 09:50 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		10/08/21 20:05	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 20:05	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/08/21 20:05	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 20:05	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/08/21 20:05	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/08/21 20:05	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 20:05	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		10/08/21 20:05	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/08/21 20:05	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/08/21 20:05	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 20:05	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/08/21 20:05	75-00-3	L1
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/08/21 20:05	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/08/21 20:05	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 20:05	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 20:05	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/08/21 20:05	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/08/21 20:05	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/08/21 20:05	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/08/21 20:05	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 20:05	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 20:05	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/08/21 20:05	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/08/21 20:05	75-71-8	
1,1-Dichloroethane	**0.89J**	ug/L	1.0	0.30	1		10/08/21 20:05	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/08/21 20:05	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/08/21 20:05	75-35-4	
cis-1,2-Dichloroethene	**0.57J**	ug/L	1.0	0.47	1		10/08/21 20:05	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/08/21 20:05	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/08/21 20:05	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 20:05	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		10/08/21 20:05	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 20:05	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 20:05	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/08/21 20:05	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 20:05	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 20:05	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/08/21 20:05	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		10/08/21 20:05	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 20:05	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/08/21 20:05	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 20:05	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		10/08/21 20:05	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 20:05	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 20:05	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-26C **Lab ID: 40234561015** Collected: 10/05/21 08:46 Received: 10/06/21 09:50 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		10/08/21 20:05	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/08/21 20:05	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 20:05	127-18-4	
Tetrahydrofuran	**39.9**	ug/L	25.0	2.4	1		10/08/21 20:05	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/08/21 20:05	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 20:05	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/08/21 20:05	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 20:05	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/08/21 20:05	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/08/21 20:05	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 20:05	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		10/08/21 20:05	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		10/08/21 20:05	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 20:05	108-67-8	
Vinyl chloride	**4.2**	ug/L	1.0	0.17	1		10/08/21 20:05	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		10/08/21 20:05	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 20:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/08/21 20:05	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/08/21 20:05	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		10/08/21 20:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-20B **Lab ID: 40234561016** Collected: 10/05/21 09:31 Received: 10/06/21 09:50 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	**0.65J**	ug/L	1.0	0.30	1		10/08/21 20:24	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 20:24	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/08/21 20:24	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 20:24	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/08/21 20:24	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/08/21 20:24	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 20:24	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		10/08/21 20:24	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/08/21 20:24	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/08/21 20:24	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 20:24	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/08/21 20:24	75-00-3	L1
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/08/21 20:24	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/08/21 20:24	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 20:24	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 20:24	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/08/21 20:24	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/08/21 20:24	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/08/21 20:24	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/08/21 20:24	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 20:24	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 20:24	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/08/21 20:24	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/08/21 20:24	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 20:24	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/08/21 20:24	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/08/21 20:24	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/08/21 20:24	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/08/21 20:24	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/08/21 20:24	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 20:24	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		10/08/21 20:24	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 20:24	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 20:24	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/08/21 20:24	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 20:24	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 20:24	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/08/21 20:24	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		10/08/21 20:24	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 20:24	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/08/21 20:24	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 20:24	1634-04-4	
Naphthalene	**3.5J**	ug/L	5.0	1.1	1		10/08/21 20:24	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 20:24	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 20:24	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-20B **Lab ID: 40234561016** Collected: 10/05/21 09:31 Received: 10/06/21 09:50 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		10/08/21 20:24	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/08/21 20:24	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 20:24	127-18-4	
Tetrahydrofuran	**8.2J**	ug/L	25.0	2.4	1		10/08/21 20:24	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/08/21 20:24	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 20:24	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/08/21 20:24	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 20:24	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/08/21 20:24	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/08/21 20:24	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 20:24	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		10/08/21 20:24	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		10/08/21 20:24	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 20:24	108-67-8	
Vinyl chloride	**0.22J**	ug/L	1.0	0.17	1		10/08/21 20:24	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		10/08/21 20:24	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 20:24	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/08/21 20:24	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/08/21 20:24	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		10/08/21 20:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-20A **Lab ID: 40234561017** Collected: 10/05/21 09:45 Received: 10/06/21 09:50 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	**2.3**	ug/L	1.0	0.30	1		10/08/21 23:19	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 23:19	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/08/21 23:19	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 23:19	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/08/21 23:19	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/08/21 23:19	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 23:19	104-51-8	
sec-Butylbenzene	**0.85J**	ug/L	1.0	0.42	1		10/08/21 23:19	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/08/21 23:19	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/08/21 23:19	56-23-5	
Chlorobenzene	**9.3**	ug/L	1.0	0.86	1		10/08/21 23:19	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/08/21 23:19	75-00-3	L1
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/08/21 23:19	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/08/21 23:19	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 23:19	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 23:19	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/08/21 23:19	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/08/21 23:19	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/08/21 23:19	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/08/21 23:19	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 23:19	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 23:19	541-73-1	
1,4-Dichlorobenzene	**2.7**	ug/L	1.0	0.89	1		10/08/21 23:19	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/08/21 23:19	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 23:19	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/08/21 23:19	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/08/21 23:19	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/08/21 23:19	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/08/21 23:19	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/08/21 23:19	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 23:19	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		10/08/21 23:19	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 23:19	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 23:19	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/08/21 23:19	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 23:19	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 23:19	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/08/21 23:19	87-68-3	
Isopropylbenzene (Cumene)	**4.7J**	ug/L	5.0	1.0	1		10/08/21 23:19	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 23:19	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/08/21 23:19	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 23:19	1634-04-4	
Naphthalene	**23.4**	ug/L	5.0	1.1	1		10/08/21 23:19	91-20-3	
n-Propylbenzene	**3.8**	ug/L	1.0	0.35	1		10/08/21 23:19	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 23:19	100-42-5	

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-20A **Lab ID: 40234561017** Collected: 10/05/21 09:45 Received: 10/06/21 09:50 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		10/08/21 23:19	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/08/21 23:19	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 23:19	127-18-4	
Tetrahydrofuran	**19.6J**	ug/L	25.0	2.4	1		10/08/21 23:19	109-99-9	
Toluene	**0.32J**	ug/L	1.0	0.29	1		10/08/21 23:19	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 23:19	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/08/21 23:19	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 23:19	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/08/21 23:19	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/08/21 23:19	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 23:19	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		10/08/21 23:19	96-18-4	
1,2,4-Trimethylbenzene	**29.0**	ug/L	1.0	0.45	1		10/08/21 23:19	95-63-6	
1,3,5-Trimethylbenzene	**5.3**	ug/L	1.0	0.36	1		10/08/21 23:19	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/08/21 23:19	75-01-4	
m&p-Xylene	**59.8**	ug/L	2.0	0.70	1		10/08/21 23:19	179601-23-1	
o-Xylene	**1.4**	ug/L	1.0	0.35	1		10/08/21 23:19	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/08/21 23:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/08/21 23:19	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		10/08/21 23:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-28A **Lab ID: 40234561018** Collected: 10/05/21 10:30 Received: 10/06/21 09:50 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	**0.88J**	ug/L	1.0	0.30	1		10/08/21 23:39	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 23:39	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/08/21 23:39	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 23:39	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/08/21 23:39	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/08/21 23:39	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 23:39	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		10/08/21 23:39	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/08/21 23:39	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/08/21 23:39	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 23:39	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/08/21 23:39	75-00-3	L1
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/08/21 23:39	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/08/21 23:39	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 23:39	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 23:39	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/08/21 23:39	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/08/21 23:39	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/08/21 23:39	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/08/21 23:39	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 23:39	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 23:39	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/08/21 23:39	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/08/21 23:39	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 23:39	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/08/21 23:39	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/08/21 23:39	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/08/21 23:39	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/08/21 23:39	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/08/21 23:39	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 23:39	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		10/08/21 23:39	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 23:39	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 23:39	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/08/21 23:39	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 23:39	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 23:39	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/08/21 23:39	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		10/08/21 23:39	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 23:39	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/08/21 23:39	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 23:39	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		10/08/21 23:39	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 23:39	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 23:39	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-28A **Lab ID: 40234561018** Collected: 10/05/21 10:30 Received: 10/06/21 09:50 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		10/08/21 23:39	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/08/21 23:39	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 23:39	127-18-4	
Tetrahydrofuran	**14.0J**	ug/L	25.0	2.4	1		10/08/21 23:39	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/08/21 23:39	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 23:39	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/08/21 23:39	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 23:39	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/08/21 23:39	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/08/21 23:39	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 23:39	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		10/08/21 23:39	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		10/08/21 23:39	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 23:39	108-67-8	
Vinyl chloride	**1.1**	ug/L	1.0	0.17	1		10/08/21 23:39	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		10/08/21 23:39	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 23:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		10/08/21 23:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/08/21 23:39	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		10/08/21 23:39	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-27B **Lab ID: 40234561019** Collected: 10/05/21 10:33 Received: 10/06/21 09:50 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		10/08/21 23:58	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 23:58	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/08/21 23:58	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 23:58	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/08/21 23:58	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/08/21 23:58	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 23:58	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		10/08/21 23:58	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/08/21 23:58	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/08/21 23:58	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 23:58	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/08/21 23:58	75-00-3	L1
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/08/21 23:58	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/08/21 23:58	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 23:58	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 23:58	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/08/21 23:58	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/08/21 23:58	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/08/21 23:58	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/08/21 23:58	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 23:58	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 23:58	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/08/21 23:58	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/08/21 23:58	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 23:58	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/08/21 23:58	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/08/21 23:58	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/08/21 23:58	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/08/21 23:58	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/08/21 23:58	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 23:58	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		10/08/21 23:58	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 23:58	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 23:58	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/08/21 23:58	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 23:58	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 23:58	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/08/21 23:58	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		10/08/21 23:58	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 23:58	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/08/21 23:58	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 23:58	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		10/08/21 23:58	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 23:58	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 23:58	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-27B **Lab ID: 40234561019** Collected: 10/05/21 10:33 Received: 10/06/21 09:50 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		10/08/21 23:58	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/08/21 23:58	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 23:58	127-18-4	
Tetrahydrofuran	**3.6J**	ug/L	25.0	2.4	1		10/08/21 23:58	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/08/21 23:58	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 23:58	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/08/21 23:58	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 23:58	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/08/21 23:58	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/08/21 23:58	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 23:58	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		10/08/21 23:58	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		10/08/21 23:58	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 23:58	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/08/21 23:58	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		10/08/21 23:58	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 23:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		10/08/21 23:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/08/21 23:58	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		10/08/21 23:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: TRIP BLANK **Lab ID: 40234561020** Collected: 10/05/21 00:00 Received: 10/06/21 09:50 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		10/08/21 18:08	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 18:08	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/08/21 18:08	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 18:08	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/08/21 18:08	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/08/21 18:08	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 18:08	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		10/08/21 18:08	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/08/21 18:08	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/08/21 18:08	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/08/21 18:08	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/08/21 18:08	75-00-3	L1
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/08/21 18:08	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/08/21 18:08	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 18:08	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/08/21 18:08	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/08/21 18:08	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/08/21 18:08	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/08/21 18:08	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/08/21 18:08	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 18:08	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 18:08	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/08/21 18:08	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/08/21 18:08	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 18:08	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/08/21 18:08	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/08/21 18:08	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/08/21 18:08	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/08/21 18:08	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/08/21 18:08	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 18:08	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		10/08/21 18:08	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 18:08	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 18:08	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/08/21 18:08	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 18:08	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/08/21 18:08	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/08/21 18:08	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		10/08/21 18:08	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 18:08	99-87-6	
Methylene Chloride	**1.3J**	ug/L	5.0	0.32	1		10/08/21 18:08	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/08/21 18:08	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		10/08/21 18:08	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 18:08	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 18:08	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: TRIP BLANK **Lab ID: 40234561020** Collected: 10/05/21 00:00 Received: 10/06/21 09:50 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		10/08/21 18:08	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/08/21 18:08	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/08/21 18:08	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		10/08/21 18:08	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/08/21 18:08	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		10/08/21 18:08	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/08/21 18:08	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/08/21 18:08	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/08/21 18:08	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/08/21 18:08	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/08/21 18:08	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		10/08/21 18:08	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		10/08/21 18:08	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		10/08/21 18:08	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/08/21 18:08	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		10/08/21 18:08	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		10/08/21 18:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/08/21 18:08	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		10/08/21 18:08	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		10/08/21 18:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-2B **Lab ID: 40234442001** Collected: 10/04/21 13:55 Received: 10/05/21 10:00 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		10/07/21 13:10	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		10/07/21 13:10	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/07/21 13:10	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/07/21 13:10	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/07/21 13:10	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/07/21 13:10	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/07/21 13:10	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		10/07/21 13:10	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/07/21 13:10	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/07/21 13:10	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/07/21 13:10	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/07/21 13:10	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/07/21 13:10	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/07/21 13:10	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/07/21 13:10	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/07/21 13:10	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/07/21 13:10	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/07/21 13:10	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/07/21 13:10	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/07/21 13:10	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/07/21 13:10	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/07/21 13:10	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/07/21 13:10	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/07/21 13:10	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/07/21 13:10	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/07/21 13:10	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/07/21 13:10	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/07/21 13:10	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/07/21 13:10	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/07/21 13:10	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		10/07/21 13:10	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		10/07/21 13:10	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		10/07/21 13:10	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/07/21 13:10	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/07/21 13:10	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		10/07/21 13:10	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/07/21 13:10	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/07/21 13:10	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		10/07/21 13:10	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/07/21 13:10	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/07/21 13:10	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/07/21 13:10	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		10/07/21 13:10	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		10/07/21 13:10	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/07/21 13:10	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-2B **Lab ID: 40234442001** Collected: 10/04/21 13:55 Received: 10/05/21 10:00 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		10/07/21 13:10	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/07/21 13:10	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/07/21 13:10	127-18-4	
Tetrahydrofuran	**5.4J**	ug/L	25.0	2.4	1		10/07/21 13:10	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/07/21 13:10	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		10/07/21 13:10	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/07/21 13:10	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/07/21 13:10	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/07/21 13:10	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/07/21 13:10	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/07/21 13:10	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		10/07/21 13:10	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		10/07/21 13:10	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		10/07/21 13:10	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/07/21 13:10	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		10/07/21 13:10	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		10/07/21 13:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/07/21 13:10	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		10/07/21 13:10	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		10/07/21 13:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-2A **Lab ID: 40234442002** Collected: 10/04/21 14:05 Received: 10/05/21 10:00 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	**18.3**	ug/L	1.0	0.30	1		10/07/21 13:29	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		10/07/21 13:29	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/07/21 13:29	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/07/21 13:29	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/07/21 13:29	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/07/21 13:29	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/07/21 13:29	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		10/07/21 13:29	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/07/21 13:29	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/07/21 13:29	56-23-5	
Chlorobenzene	**0.96J**	ug/L	1.0	0.86	1		10/07/21 13:29	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/07/21 13:29	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/07/21 13:29	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/07/21 13:29	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/07/21 13:29	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/07/21 13:29	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/07/21 13:29	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/07/21 13:29	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/07/21 13:29	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/07/21 13:29	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/07/21 13:29	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/07/21 13:29	541-73-1	
1,4-Dichlorobenzene	**1.1**	ug/L	1.0	0.89	1		10/07/21 13:29	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/07/21 13:29	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/07/21 13:29	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/07/21 13:29	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/07/21 13:29	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/07/21 13:29	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/07/21 13:29	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/07/21 13:29	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		10/07/21 13:29	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		10/07/21 13:29	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		10/07/21 13:29	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/07/21 13:29	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/07/21 13:29	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		10/07/21 13:29	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/07/21 13:29	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/07/21 13:29	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		10/07/21 13:29	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/07/21 13:29	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/07/21 13:29	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/07/21 13:29	1634-04-4	
Naphthalene	**5.3**	ug/L	5.0	1.1	1		10/07/21 13:29	91-20-3	
n-Propylbenzene	**0.36J**	ug/L	1.0	0.35	1		10/07/21 13:29	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/07/21 13:29	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-2A **Lab ID: 40234442002** Collected: 10/04/21 14:05 Received: 10/05/21 10:00 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		10/07/21 13:29	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/07/21 13:29	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/07/21 13:29	127-18-4	
Tetrahydrofuran	**145**	ug/L	25.0	2.4	1		10/07/21 13:29	109-99-9	
Toluene	**0.32J**	ug/L	1.0	0.29	1		10/07/21 13:29	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		10/07/21 13:29	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/07/21 13:29	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/07/21 13:29	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/07/21 13:29	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/07/21 13:29	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/07/21 13:29	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		10/07/21 13:29	96-18-4	
1,2,4-Trimethylbenzene	**2.0**	ug/L	1.0	0.45	1		10/07/21 13:29	95-63-6	
1,3,5-Trimethylbenzene	**1.4**	ug/L	1.0	0.36	1		10/07/21 13:29	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/07/21 13:29	75-01-4	
m&p-Xylene	**2.5**	ug/L	2.0	0.70	1		10/07/21 13:29	179601-23-1	
o-Xylene	**0.48J**	ug/L	1.0	0.35	1		10/07/21 13:29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/07/21 13:29	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/07/21 13:29	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		10/07/21 13:29	2037-26-5	
350.1 Ammonia, Distilled	Analytical Method: EPA 350.1 Preparation Method: EPA 350.1								
	Pace Analytical Services - Green Bay								
Nitrogen, Ammonia	**198**	mg/L	10.0	2.9	20	10/07/21 21:09	10/07/21 22:45	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	**186**	mg/L	20.0	4.2	20	10/05/21 20:36	10/06/21 03:47	7727-37-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-21A **Lab ID: 40234442003** Collected: 10/04/21 14:20 Received: 10/05/21 10:00 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	**3.8**	ug/L	1.0	0.30	1		10/07/21 13:49	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		10/07/21 13:49	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/07/21 13:49	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/07/21 13:49	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/07/21 13:49	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/07/21 13:49	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/07/21 13:49	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		10/07/21 13:49	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/07/21 13:49	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/07/21 13:49	56-23-5	
Chlorobenzene	**5.3**	ug/L	1.0	0.86	1		10/07/21 13:49	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/07/21 13:49	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/07/21 13:49	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/07/21 13:49	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/07/21 13:49	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/07/21 13:49	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/07/21 13:49	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/07/21 13:49	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/07/21 13:49	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/07/21 13:49	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/07/21 13:49	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/07/21 13:49	541-73-1	
1,4-Dichlorobenzene	**1.9**	ug/L	1.0	0.89	1		10/07/21 13:49	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/07/21 13:49	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/07/21 13:49	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/07/21 13:49	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/07/21 13:49	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/07/21 13:49	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/07/21 13:49	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/07/21 13:49	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		10/07/21 13:49	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		10/07/21 13:49	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		10/07/21 13:49	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/07/21 13:49	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/07/21 13:49	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		10/07/21 13:49	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/07/21 13:49	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/07/21 13:49	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		10/07/21 13:49	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/07/21 13:49	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/07/21 13:49	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/07/21 13:49	1634-04-4	
Naphthalene	**5.2**	ug/L	5.0	1.1	1		10/07/21 13:49	91-20-3	
n-Propylbenzene	**0.84J**	ug/L	1.0	0.35	1		10/07/21 13:49	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/07/21 13:49	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: MW-21A **Lab ID: 40234442003** Collected: 10/04/21 14:20 Received: 10/05/21 10:00 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		10/07/21 13:49	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/07/21 13:49	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/07/21 13:49	127-18-4	
Tetrahydrofuran	**115**	ug/L	25.0	2.4	1		10/07/21 13:49	109-99-9	
Toluene	**0.63J**	ug/L	1.0	0.29	1		10/07/21 13:49	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		10/07/21 13:49	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/07/21 13:49	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/07/21 13:49	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/07/21 13:49	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/07/21 13:49	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/07/21 13:49	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		10/07/21 13:49	96-18-4	
1,2,4-Trimethylbenzene	**2.7**	ug/L	1.0	0.45	1		10/07/21 13:49	95-63-6	
1,3,5-Trimethylbenzene	**1.4**	ug/L	1.0	0.36	1		10/07/21 13:49	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/07/21 13:49	75-01-4	
m&p-Xylene	**5.7**	ug/L	2.0	0.70	1		10/07/21 13:49	179601-23-1	
o-Xylene	**1.1**	ug/L	1.0	0.35	1		10/07/21 13:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/07/21 13:49	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/07/21 13:49	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		10/07/21 13:49	2037-26-5	
350.1 Ammonia, Distilled	Analytical Method: EPA 350.1 Preparation Method: EPA 350.1								
	Pace Analytical Services - Green Bay								
Nitrogen, Ammonia	**221**	mg/L	10.0	2.9	20	10/07/21 21:09	10/07/21 22:47	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	**222**	mg/L	20.0	4.2	20	10/05/21 20:36	10/06/21 03:48	7727-37-9	

REPORT OF LABORATORY ANALYSIS

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

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: TRIP BLANK **Lab ID: 40234442007** Collected: 10/04/21 00:00 Received: 10/05/21 10:00 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		10/06/21 18:41	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		10/06/21 18:41	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		10/06/21 18:41	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/06/21 18:41	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/06/21 18:41	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/06/21 18:41	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		10/06/21 18:41	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		10/06/21 18:41	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		10/06/21 18:41	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/06/21 18:41	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/06/21 18:41	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/06/21 18:41	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/06/21 18:41	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/06/21 18:41	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/06/21 18:41	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		10/06/21 18:41	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/06/21 18:41	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/06/21 18:41	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/06/21 18:41	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/06/21 18:41	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/06/21 18:41	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/06/21 18:41	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/06/21 18:41	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/06/21 18:41	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/06/21 18:41	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/06/21 18:41	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/06/21 18:41	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/06/21 18:41	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/06/21 18:41	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/06/21 18:41	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		10/06/21 18:41	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		10/06/21 18:41	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		10/06/21 18:41	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/06/21 18:41	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/06/21 18:41	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		10/06/21 18:41	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/06/21 18:41	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		10/06/21 18:41	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		10/06/21 18:41	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		10/06/21 18:41	99-87-6	
Methylene Chloride	**0.64J**	ug/L	5.0	0.32	1		10/06/21 18:41	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/06/21 18:41	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		10/06/21 18:41	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		10/06/21 18:41	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/06/21 18:41	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Sample: TRIP BLANK **Lab ID: 40234442007** Collected: 10/04/21 00:00 Received: 10/05/21 10:00 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		10/06/21 18:41	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		10/06/21 18:41	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/06/21 18:41	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		10/06/21 18:41	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/06/21 18:41	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		10/06/21 18:41	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		10/06/21 18:41	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/06/21 18:41	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/06/21 18:41	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/06/21 18:41	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/06/21 18:41	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		10/06/21 18:41	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		10/06/21 18:41	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		10/06/21 18:41	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/06/21 18:41	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		10/06/21 18:41	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		10/06/21 18:41	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/06/21 18:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		10/06/21 18:41	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		10/06/21 18:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

QC Batch: 397607
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40234442001, 40234442002, 40234442003

METHOD BLANK: 2294784 Matrix: Water
Associated Lab Samples: 40234442001, 40234442002, 40234442003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	10/07/21 06:44	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	10/07/21 06:44	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	10/07/21 06:44	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	10/07/21 06:44	
1,1-Dichloroethane	ug/L	<0.30	1.0	10/07/21 06:44	
1,1-Dichloroethene	ug/L	<0.58	1.0	10/07/21 06:44	
1,1-Dichloropropene	ug/L	<0.41	1.0	10/07/21 06:44	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	10/07/21 06:44	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	10/07/21 06:44	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	10/07/21 06:44	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	10/07/21 06:44	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	10/07/21 06:44	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	10/07/21 06:44	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	10/07/21 06:44	
1,2-Dichloroethane	ug/L	<0.29	1.0	10/07/21 06:44	
1,2-Dichloropropane	ug/L	<0.45	1.0	10/07/21 06:44	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	10/07/21 06:44	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	10/07/21 06:44	
1,3-Dichloropropane	ug/L	<0.30	1.0	10/07/21 06:44	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	10/07/21 06:44	
2,2-Dichloropropane	ug/L	<4.2	5.0	10/07/21 06:44	
2-Chlorotoluene	ug/L	<0.89	5.0	10/07/21 06:44	
4-Chlorotoluene	ug/L	<0.89	5.0	10/07/21 06:44	
Benzene	ug/L	<0.30	1.0	10/07/21 06:44	
Bromobenzene	ug/L	<0.36	1.0	10/07/21 06:44	
Bromochloromethane	ug/L	<0.36	5.0	10/07/21 06:44	
Bromodichloromethane	ug/L	<0.42	1.0	10/07/21 06:44	
Bromoform	ug/L	<3.8	5.0	10/07/21 06:44	
Bromomethane	ug/L	<1.2	5.0	10/07/21 06:44	
Carbon tetrachloride	ug/L	<0.37	1.0	10/07/21 06:44	
Chlorobenzene	ug/L	<0.86	1.0	10/07/21 06:44	
Chloroethane	ug/L	<1.4	5.0	10/07/21 06:44	
Chloroform	ug/L	<1.2	5.0	10/07/21 06:44	
Chloromethane	ug/L	<1.6	5.0	10/07/21 06:44	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	10/07/21 06:44	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	10/07/21 06:44	
Dibromochloromethane	ug/L	<2.6	5.0	10/07/21 06:44	
Dibromomethane	ug/L	<0.99	5.0	10/07/21 06:44	
Dichlorodifluoromethane	ug/L	<0.46	5.0	10/07/21 06:44	
Diisopropyl ether	ug/L	<1.1	5.0	10/07/21 06:44	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

METHOD BLANK: 2294784 Matrix: Water
Associated Lab Samples: 40234442001, 40234442002, 40234442003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.33	1.0	10/07/21 06:44	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	10/07/21 06:44	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	10/07/21 06:44	
m&p-Xylene	ug/L	<0.70	2.0	10/07/21 06:44	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	10/07/21 06:44	
Methylene Chloride	ug/L	<0.32	5.0	10/07/21 06:44	
n-Butylbenzene	ug/L	<0.86	1.0	10/07/21 06:44	
n-Propylbenzene	ug/L	<0.35	1.0	10/07/21 06:44	
Naphthalene	ug/L	<1.1	5.0	10/07/21 06:44	
o-Xylene	ug/L	<0.35	1.0	10/07/21 06:44	
p-Isopropyltoluene	ug/L	<1.0	5.0	10/07/21 06:44	
sec-Butylbenzene	ug/L	<0.42	1.0	10/07/21 06:44	
Styrene	ug/L	<0.36	1.0	10/07/21 06:44	
tert-Butylbenzene	ug/L	<0.59	1.0	10/07/21 06:44	
Tetrachloroethene	ug/L	<0.41	1.0	10/07/21 06:44	
Tetrahydrofuran	ug/L	<2.4	25.0	10/07/21 06:44	
Toluene	ug/L	<0.29	1.0	10/07/21 06:44	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	10/07/21 06:44	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	10/07/21 06:44	
Trichloroethene	ug/L	<0.32	1.0	10/07/21 06:44	
Trichlorofluoromethane	ug/L	<0.42	1.0	10/07/21 06:44	
Vinyl chloride	ug/L	<0.17	1.0	10/07/21 06:44	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130	10/07/21 06:44	
4-Bromofluorobenzene (S)	%	99	70-130	10/07/21 06:44	
Toluene-d8 (S)	%	105	70-130	10/07/21 06:44	

LABORATORY CONTROL SAMPLE: 2294785

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.8	112	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	58.7	117	66-130	
1,1,2-Trichloroethane	ug/L	50	57.5	115	70-130	
1,1-Dichloroethane	ug/L	50	62.2	124	68-132	
1,1-Dichloroethene	ug/L	50	59.0	118	85-126	
1,2,4-Trichlorobenzene	ug/L	50	50.7	101	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	50.5	101	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	54.5	109	70-130	
1,2-Dichlorobenzene	ug/L	50	56.8	114	70-130	
1,2-Dichloroethane	ug/L	50	55.4	111	70-130	
1,2-Dichloropropane	ug/L	50	59.1	118	78-125	
1,3-Dichlorobenzene	ug/L	50	56.2	112	70-130	
1,4-Dichlorobenzene	ug/L	50	57.4	115	70-130	
Benzene	ug/L	50	57.0	114	70-132	
Bromodichloromethane	ug/L	50	54.3	109	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

LABORATORY CONTROL SAMPLE: 2294785

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	43.3	87	65-130	
Bromomethane	ug/L	50	57.4	115	44-128	
Carbon tetrachloride	ug/L	50	56.1	112	70-130	
Chlorobenzene	ug/L	50	57.5	115	70-130	
Chloroethane	ug/L	50	67.4	135	73-137	
Chloroform	ug/L	50	58.2	116	80-122	
Chloromethane	ug/L	50	47.9	96	27-148	
cis-1,2-Dichloroethene	ug/L	50	54.0	108	70-130	
cis-1,3-Dichloropropene	ug/L	50	52.0	104	70-130	
Dibromochloromethane	ug/L	50	50.7	101	70-130	
Dichlorodifluoromethane	ug/L	50	33.0	66	22-151	
Ethylbenzene	ug/L	50	58.7	117	80-123	
Isopropylbenzene (Cumene)	ug/L	50	60.7	121	70-130	
m&p-Xylene	ug/L	100	115	115	70-130	
Methyl-tert-butyl ether	ug/L	50	55.4	111	66-130	
Methylene Chloride	ug/L	50	55.4	111	70-130	
o-Xylene	ug/L	50	58.5	117	70-130	
Styrene	ug/L	50	60.2	120	70-130	
Tetrachloroethene	ug/L	50	54.8	110	70-130	
Toluene	ug/L	50	57.1	114	80-121	
trans-1,2-Dichloroethene	ug/L	50	60.5	121	70-130	
trans-1,3-Dichloropropene	ug/L	50	52.0	104	58-125	
Trichloroethene	ug/L	50	55.4	111	70-130	
Trichlorofluoromethane	ug/L	50	57.1	114	84-148	
Vinyl chloride	ug/L	50	57.0	114	63-142	
1,2-Dichlorobenzene-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2295884 2295885

Parameter	Units	40234460001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.30	50	50	54.5	53.5	109	107	70-130	2	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	57.8	58.6	116	117	66-130	1	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	56.5	57.3	113	115	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	60.9	60.3	122	121	68-132	1	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	55.3	56.5	111	113	76-132	2	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	51.0	51.8	102	104	70-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	49.4	48.8	99	98	51-126	1	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	55.1	54.8	110	110	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	56.8	56.9	114	114	70-130	0	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	53.4	54.8	107	110	70-130	3	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	58.9	58.5	118	117	77-125	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2295884 2295885

Parameter	Units	40234460001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,3-Dichlorobenzene	ug/L	<0.35	50	50	55.0	55.9	110	112	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	56.7	57.2	113	114	70-130	1	20	
Benzene	ug/L	<0.30	50	50	56.1	55.9	112	112	70-132	0	20	
Bromodichloromethane	ug/L	<0.42	50	50	53.6	54.1	107	108	70-130	1	20	
Bromoform	ug/L	<3.8	50	50	43.5	43.5	87	87	65-130	0	20	
Bromomethane	ug/L	<1.2	50	50	66.3	69.3	133	139	44-128	5	21	M1
Carbon tetrachloride	ug/L	<0.37	50	50	54.8	55.3	110	111	70-132	1	20	
Chlorobenzene	ug/L	<0.86	50	50	57.1	57.1	114	114	70-130	0	20	
Chloroethane	ug/L	<1.4	50	50	65.5	65.9	131	132	70-137	1	20	
Chloroform	ug/L	<1.2	50	50	56.5	57.0	113	114	80-122	1	20	
Chloromethane	ug/L	<1.6	50	50	47.2	47.7	94	95	17-149	1	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	53.6	53.7	107	107	70-130	0	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	51.6	52.2	103	104	70-130	1	20	
Dibromochloromethane	ug/L	<2.6	50	50	51.2	51.4	102	103	70-130	0	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	31.7	31.6	63	63	22-158	0	20	
Ethylbenzene	ug/L	<0.33	50	50	57.8	57.2	116	114	80-123	1	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	59.0	59.7	118	119	70-130	1	20	
m&p-Xylene	ug/L	<0.70	100	100	114	114	114	114	70-130	1	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	49.3	47.7	99	95	66-130	3	20	
Methylene Chloride	ug/L	<0.32	50	50	54.9	55.1	110	110	70-130	0	20	
o-Xylene	ug/L	<0.35	50	50	56.7	57.6	113	115	70-130	2	20	
Styrene	ug/L	<0.36	50	50	60.1	58.7	120	117	70-130	2	20	
Tetrachloroethene	ug/L	<0.41	50	50	53.1	53.1	106	106	70-130	0	20	
Toluene	ug/L	<0.29	50	50	57.0	56.6	114	113	80-121	1	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	54.5	54.1	109	108	70-134	1	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	52.7	51.3	105	103	58-130	3	20	
Trichloroethene	ug/L	<0.32	50	50	54.5	54.3	109	109	70-130	0	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	55.6	55.3	111	111	82-151	0	20	
Vinyl chloride	ug/L	<0.17	50	50	54.4	56.4	109	113	61-143	4	20	
1,2-Dichlorobenzene-d4 (S)	%						97	98	70-130			
4-Bromofluorobenzene (S)	%						101	100	70-130			
Toluene-d8 (S)	%						104	103	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

QC Batch: 397631
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40234442007

METHOD BLANK: 2294866 Matrix: Water

Associated Lab Samples: 40234442007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	10/06/21 14:00	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	10/06/21 14:00	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	10/06/21 14:00	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	10/06/21 14:00	
1,1-Dichloroethane	ug/L	<0.30	1.0	10/06/21 14:00	
1,1-Dichloroethene	ug/L	<0.58	1.0	10/06/21 14:00	
1,1-Dichloropropene	ug/L	<0.41	1.0	10/06/21 14:00	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	10/06/21 14:00	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	10/06/21 14:00	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	10/06/21 14:00	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	10/06/21 14:00	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	10/06/21 14:00	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	10/06/21 14:00	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	10/06/21 14:00	
1,2-Dichloroethane	ug/L	<0.29	1.0	10/06/21 14:00	
1,2-Dichloropropane	ug/L	<0.45	1.0	10/06/21 14:00	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	10/06/21 14:00	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	10/06/21 14:00	
1,3-Dichloropropane	ug/L	<0.30	1.0	10/06/21 14:00	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	10/06/21 14:00	
2,2-Dichloropropane	ug/L	<4.2	5.0	10/06/21 14:00	
2-Chlorotoluene	ug/L	<0.89	5.0	10/06/21 14:00	
4-Chlorotoluene	ug/L	<0.89	5.0	10/06/21 14:00	
Benzene	ug/L	<0.30	1.0	10/06/21 14:00	
Bromobenzene	ug/L	<0.36	1.0	10/06/21 14:00	
Bromochloromethane	ug/L	<0.36	5.0	10/06/21 14:00	
Bromodichloromethane	ug/L	<0.42	1.0	10/06/21 14:00	
Bromoform	ug/L	<3.8	5.0	10/06/21 14:00	
Bromomethane	ug/L	<1.2	5.0	10/06/21 14:00	
Carbon tetrachloride	ug/L	<0.37	1.0	10/06/21 14:00	
Chlorobenzene	ug/L	<0.86	1.0	10/06/21 14:00	
Chloroethane	ug/L	<1.4	5.0	10/06/21 14:00	
Chloroform	ug/L	<1.2	5.0	10/06/21 14:00	
Chloromethane	ug/L	<1.6	5.0	10/06/21 14:00	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	10/06/21 14:00	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	10/06/21 14:00	
Dibromochloromethane	ug/L	<2.6	5.0	10/06/21 14:00	
Dibromomethane	ug/L	<0.99	5.0	10/06/21 14:00	
Dichlorodifluoromethane	ug/L	<0.46	5.0	10/06/21 14:00	
Diisopropyl ether	ug/L	<1.1	5.0	10/06/21 14:00	

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

METHOD BLANK: 2294866 Matrix: Water
Associated Lab Samples: 40234442007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.33	1.0	10/06/21 14:00	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	10/06/21 14:00	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	10/06/21 14:00	
m&p-Xylene	ug/L	<0.70	2.0	10/06/21 14:00	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	10/06/21 14:00	
Methylene Chloride	ug/L	<0.32	5.0	10/06/21 14:00	
n-Butylbenzene	ug/L	<0.86	1.0	10/06/21 14:00	
n-Propylbenzene	ug/L	<0.35	1.0	10/06/21 14:00	
Naphthalene	ug/L	<1.1	5.0	10/06/21 14:00	
o-Xylene	ug/L	<0.35	1.0	10/06/21 14:00	
p-Isopropyltoluene	ug/L	<1.0	5.0	10/06/21 14:00	
sec-Butylbenzene	ug/L	<0.42	1.0	10/06/21 14:00	
Styrene	ug/L	<0.36	1.0	10/06/21 14:00	
tert-Butylbenzene	ug/L	<0.59	1.0	10/06/21 14:00	
Tetrachloroethene	ug/L	<0.41	1.0	10/06/21 14:00	
Tetrahydrofuran	ug/L	<2.4	25.0	10/06/21 14:00	
Toluene	ug/L	<0.29	1.0	10/06/21 14:00	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	10/06/21 14:00	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	10/06/21 14:00	
Trichloroethene	ug/L	<0.32	1.0	10/06/21 14:00	
Trichlorofluoromethane	ug/L	<0.42	1.0	10/06/21 14:00	
Vinyl chloride	ug/L	<0.17	1.0	10/06/21 14:00	
1,2-Dichlorobenzene-d4 (S)	%	105	70-130	10/06/21 14:00	
4-Bromofluorobenzene (S)	%	102	70-130	10/06/21 14:00	
Toluene-d8 (S)	%	99	70-130	10/06/21 14:00	

LABORATORY CONTROL SAMPLE: 2294867

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.0	112	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	55.5	111	66-130	
1,1,2-Trichloroethane	ug/L	50	57.1	114	70-130	
1,1-Dichloroethane	ug/L	50	60.2	120	68-132	
1,1-Dichloroethene	ug/L	50	54.7	109	85-126	
1,2,4-Trichlorobenzene	ug/L	50	48.6	97	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	49.4	99	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	54.1	108	70-130	
1,2-Dichlorobenzene	ug/L	50	53.6	107	70-130	
1,2-Dichloroethane	ug/L	50	54.1	108	70-130	
1,2-Dichloropropane	ug/L	50	57.1	114	78-125	
1,3-Dichlorobenzene	ug/L	50	51.1	102	70-130	
1,4-Dichlorobenzene	ug/L	50	52.8	106	70-130	
Benzene	ug/L	50	56.4	113	70-132	
Bromodichloromethane	ug/L	50	53.4	107	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

LABORATORY CONTROL SAMPLE: 2294867

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	54.6	109	65-130	
Bromomethane	ug/L	50	37.0	74	44-128	
Carbon tetrachloride	ug/L	50	58.0	116	70-130	
Chlorobenzene	ug/L	50	55.2	110	70-130	
Chloroethane	ug/L	50	56.6	113	73-137	
Chloroform	ug/L	50	56.9	114	80-122	
Chloromethane	ug/L	50	49.4	99	27-148	
cis-1,2-Dichloroethene	ug/L	50	51.8	104	70-130	
cis-1,3-Dichloropropene	ug/L	50	53.2	106	70-130	
Dibromochloromethane	ug/L	50	54.3	109	70-130	
Dichlorodifluoromethane	ug/L	50	37.7	75	22-151	
Ethylbenzene	ug/L	50	58.0	116	80-123	
Isopropylbenzene (Cumene)	ug/L	50	59.9	120	70-130	
m&p-Xylene	ug/L	100	114	114	70-130	
Methyl-tert-butyl ether	ug/L	50	52.8	106	66-130	
Methylene Chloride	ug/L	50	53.6	107	70-130	
o-Xylene	ug/L	50	56.5	113	70-130	
Styrene	ug/L	50	60.2	120	70-130	
Tetrachloroethene	ug/L	50	50.3	101	70-130	
Toluene	ug/L	50	54.9	110	80-121	
trans-1,2-Dichloroethene	ug/L	50	55.7	111	70-130	
trans-1,3-Dichloropropene	ug/L	50	53.1	106	58-125	
Trichloroethene	ug/L	50	54.5	109	70-130	
Trichlorofluoromethane	ug/L	50	51.3	103	84-148	
Vinyl chloride	ug/L	50	56.0	112	63-142	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2294941 2294942

Parameter	Units	40234481002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.30	50	50	57.3	56.7	115	113	70-130	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	58.0	56.9	116	114	66-130	2	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	59.7	58.6	119	117	70-130	2	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	61.8	61.8	124	124	68-132	0	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	55.6	55.7	111	111	76-132	0	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	50.0	49.2	100	98	70-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	53.3	52.3	107	105	51-126	2	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	56.1	55.5	112	111	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	55.1	54.0	110	108	70-130	2	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	54.4	55.6	109	111	70-130	2	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	57.9	58.5	116	117	77-125	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2294941 2294942

Parameter	Units	40234481002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,3-Dichlorobenzene	ug/L	<0.35	50	50	52.7	52.1	105	104	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	55.1	54.2	110	108	70-130	2	20	
Benzene	ug/L	<0.30	50	50	56.6	57.6	113	115	70-132	2	20	
Bromodichloromethane	ug/L	<0.42	50	50	54.4	54.3	109	109	70-130	0	20	
Bromoform	ug/L	<3.8	50	50	56.5	56.2	113	112	65-130	1	20	
Bromomethane	ug/L	<1.2	50	50	43.4	45.0	87	90	44-128	4	21	
Carbon tetrachloride	ug/L	<0.37	50	50	60.6	61.5	121	123	70-132	1	20	
Chlorobenzene	ug/L	<0.86	50	50	56.3	56.5	113	113	70-130	0	20	
Chloroethane	ug/L	<1.4	50	50	59.5	58.2	119	116	70-137	2	20	
Chloroform	ug/L	<1.2	50	50	57.8	57.7	116	115	80-122	0	20	
Chloromethane	ug/L	<1.6	50	50	50.3	48.0	101	96	17-149	5	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	53.0	53.1	106	106	70-130	0	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	54.0	54.5	108	109	70-130	1	20	
Dibromochloromethane	ug/L	<2.6	50	50	55.0	55.5	110	111	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	38.3	37.2	77	74	22-158	3	20	
Ethylbenzene	ug/L	<0.33	50	50	58.2	59.6	116	119	80-123	2	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	60.8	61.1	122	122	70-130	1	20	
m&p-Xylene	ug/L	<0.70	100	100	116	118	116	118	70-130	2	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	54.7	54.3	109	109	66-130	1	20	
Methylene Chloride	ug/L	<0.32	50	50	54.6	54.4	109	109	70-130	0	20	
o-Xylene	ug/L	<0.35	50	50	56.8	57.6	114	115	70-130	1	20	
Styrene	ug/L	<0.36	50	50	61.5	61.8	123	124	70-130	1	20	
Tetrachloroethene	ug/L	<0.41	50	50	51.4	52.4	103	105	70-130	2	20	
Toluene	ug/L	<0.29	50	50	56.7	56.5	113	113	80-121	0	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	57.1	55.8	114	112	70-134	2	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	54.6	54.5	109	109	58-130	0	20	
Trichloroethene	ug/L	<0.32	50	50	56.0	55.3	112	111	70-130	1	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	50.4	51.3	101	103	82-151	2	20	
Vinyl chloride	ug/L	<0.17	50	50	57.2	56.5	114	113	61-143	1	20	
1,2-Dichlorobenzene-d4 (S)	%						100	100	70-130			
4-Bromofluorobenzene (S)	%						105	104	70-130			
Toluene-d8 (S)	%						100	101	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

QC Batch: 397802
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40234561001, 40234561002, 40234561003, 40234561004, 40234561005, 40234561006, 40234561007, 40234561008, 40234561009, 40234561010, 40234561011, 40234561012, 40234561013, 40234561014, 40234561015, 40234561016, 40234561017, 40234561018, 40234561019, 40234561020

METHOD BLANK: 2296292
Matrix: Water
Associated Lab Samples: 40234561001, 40234561002, 40234561003, 40234561004, 40234561005, 40234561006, 40234561007, 40234561008, 40234561009, 40234561010, 40234561011, 40234561012, 40234561013, 40234561014, 40234561015, 40234561016, 40234561017, 40234561018, 40234561019, 40234561020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	10/08/21 16:30	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	10/08/21 16:30	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	10/08/21 16:30	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	10/08/21 16:30	
1,1-Dichloroethane	ug/L	<0.30	1.0	10/08/21 16:30	
1,1-Dichloroethene	ug/L	<0.58	1.0	10/08/21 16:30	
1,1-Dichloropropene	ug/L	<0.41	1.0	10/08/21 16:30	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	10/08/21 16:30	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	10/08/21 16:30	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	10/08/21 16:30	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	10/08/21 16:30	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	10/08/21 16:30	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	10/08/21 16:30	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	10/08/21 16:30	
1,2-Dichloroethane	ug/L	<0.29	1.0	10/08/21 16:30	
1,2-Dichloropropane	ug/L	<0.45	1.0	10/08/21 16:30	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	10/08/21 16:30	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	10/08/21 16:30	
1,3-Dichloropropane	ug/L	<0.30	1.0	10/08/21 16:30	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	10/08/21 16:30	
2,2-Dichloropropane	ug/L	<4.2	5.0	10/08/21 16:30	
2-Chlorotoluene	ug/L	<0.89	5.0	10/08/21 16:30	
4-Chlorotoluene	ug/L	<0.89	5.0	10/08/21 16:30	
Benzene	ug/L	<0.30	1.0	10/08/21 16:30	
Bromobenzene	ug/L	<0.36	1.0	10/08/21 16:30	
Bromochloromethane	ug/L	<0.36	5.0	10/08/21 16:30	
Bromodichloromethane	ug/L	<0.42	1.0	10/08/21 16:30	
Bromoform	ug/L	<3.8	5.0	10/08/21 16:30	
Bromomethane	ug/L	<1.2	5.0	10/08/21 16:30	
Carbon tetrachloride	ug/L	<0.37	1.0	10/08/21 16:30	
Chlorobenzene	ug/L	<0.86	1.0	10/08/21 16:30	
Chloroethane	ug/L	<1.4	5.0	10/08/21 16:30	
Chloroform	ug/L	<1.2	5.0	10/08/21 16:30	
Chloromethane	ug/L	<1.6	5.0	10/08/21 16:30	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	10/08/21 16:30	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	10/08/21 16:30	
Dibromochloromethane	ug/L	<2.6	5.0	10/08/21 16:30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

METHOD BLANK: 2296292 Matrix: Water

Associated Lab Samples: 40234561001, 40234561002, 40234561003, 40234561004, 40234561005, 40234561006, 40234561007, 40234561008, 40234561009, 40234561010, 40234561011, 40234561012, 40234561013, 40234561014, 40234561015, 40234561016, 40234561017, 40234561018, 40234561019, 40234561020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<0.99	5.0	10/08/21 16:30	
Dichlorodifluoromethane	ug/L	<0.46	5.0	10/08/21 16:30	
Diisopropyl ether	ug/L	<1.1	5.0	10/08/21 16:30	
Ethylbenzene	ug/L	<0.33	1.0	10/08/21 16:30	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	10/08/21 16:30	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	10/08/21 16:30	
m&p-Xylene	ug/L	<0.70	2.0	10/08/21 16:30	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	10/08/21 16:30	
Methylene Chloride	ug/L	<0.32	5.0	10/08/21 16:30	
n-Butylbenzene	ug/L	<0.86	1.0	10/08/21 16:30	
n-Propylbenzene	ug/L	<0.35	1.0	10/08/21 16:30	
Naphthalene	ug/L	<1.1	5.0	10/08/21 16:30	
o-Xylene	ug/L	<0.35	1.0	10/08/21 16:30	
p-Isopropyltoluene	ug/L	<1.0	5.0	10/08/21 16:30	
sec-Butylbenzene	ug/L	<0.42	1.0	10/08/21 16:30	
Styrene	ug/L	<0.36	1.0	10/08/21 16:30	
tert-Butylbenzene	ug/L	<0.59	1.0	10/08/21 16:30	
Tetrachloroethene	ug/L	<0.41	1.0	10/08/21 16:30	
Tetrahydrofuran	ug/L	<2.4	25.0	10/08/21 16:30	
Toluene	ug/L	<0.29	1.0	10/08/21 16:30	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	10/08/21 16:30	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	10/08/21 16:30	
Trichloroethene	ug/L	<0.32	1.0	10/08/21 16:30	
Trichlorofluoromethane	ug/L	<0.42	1.0	10/08/21 16:30	
Vinyl chloride	ug/L	<0.17	1.0	10/08/21 16:30	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130	10/08/21 16:30	
4-Bromofluorobenzene (S)	%	101	70-130	10/08/21 16:30	
Toluene-d8 (S)	%	105	70-130	10/08/21 16:30	

LABORATORY CONTROL SAMPLE: 2296293

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.7	111	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	61.0	122	66-130	
1,1,2-Trichloroethane	ug/L	50	58.9	118	70-130	
1,1-Dichloroethane	ug/L	50	65.0	130	68-132	
1,1-Dichloroethene	ug/L	50	57.8	116	85-126	
1,2,4-Trichlorobenzene	ug/L	50	49.2	98	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	53.2	106	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	56.6	113	70-130	
1,2-Dichlorobenzene	ug/L	50	57.8	116	70-130	
1,2-Dichloroethane	ug/L	50	55.9	112	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

LABORATORY CONTROL SAMPLE: 2296293

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/L	50	61.5	123	78-125	
1,3-Dichlorobenzene	ug/L	50	56.8	114	70-130	
1,4-Dichlorobenzene	ug/L	50	58.4	117	70-130	
Benzene	ug/L	50	58.2	116	70-132	
Bromodichloromethane	ug/L	50	54.9	110	70-130	
Bromoform	ug/L	50	44.1	88	65-130	
Bromomethane	ug/L	50	40.3	81	44-128	
Carbon tetrachloride	ug/L	50	55.8	112	70-130	
Chlorobenzene	ug/L	50	58.8	118	70-130	
Chloroethane	ug/L	50	73.9	148	73-137	L1
Chloroform	ug/L	50	57.7	115	80-122	
Chloromethane	ug/L	50	56.4	113	27-148	
cis-1,2-Dichloroethene	ug/L	50	54.4	109	70-130	
cis-1,3-Dichloropropene	ug/L	50	53.0	106	70-130	
Dibromochloromethane	ug/L	50	51.9	104	70-130	
Dichlorodifluoromethane	ug/L	50	39.3	79	22-151	
Ethylbenzene	ug/L	50	60.8	122	80-123	
Isopropylbenzene (Cumene)	ug/L	50	62.1	124	70-130	
m&p-Xylene	ug/L	100	120	120	70-130	
Methyl-tert-butyl ether	ug/L	50	50.8	102	66-130	
Methylene Chloride	ug/L	50	57.4	115	70-130	
o-Xylene	ug/L	50	59.1	118	70-130	
Styrene	ug/L	50	62.2	124	70-130	
Tetrachloroethene	ug/L	50	55.0	110	70-130	
Toluene	ug/L	50	58.5	117	80-121	
trans-1,2-Dichloroethene	ug/L	50	55.0	110	70-130	
trans-1,3-Dichloropropene	ug/L	50	54.1	108	58-125	
Trichloroethene	ug/L	50	55.4	111	70-130	
Trichlorofluoromethane	ug/L	50	59.6	119	84-148	
Vinyl chloride	ug/L	50	61.3	123	63-142	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			104	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2296294 2296295

Parameter	Units	40234561011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.30	50	50	56.9	57.5	114	115	70-130	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	61.9	64.5	124	129	66-130	4	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	59.9	61.2	120	122	70-130	2	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	66.6	67.1	133	134	68-132	1	20	M1
1,1-Dichloroethene	ug/L	<0.58	50	50	61.6	60.4	123	121	76-132	2	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	51.4	54.1	103	108	70-130	5	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2296294 2296295

Parameter	Units	40234561011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	53.1	55.6	106	111	51-126	5	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	56.5	57.9	113	116	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	58.6	61.1	117	122	70-130	4	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	56.6	63.4	113	127	70-130	11	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	62.1	62.3	124	125	77-125	0	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	57.6	59.7	115	119	70-130	4	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	58.7	59.8	117	120	70-130	2	20	
Benzene	ug/L	0.76J	50	50	59.9	59.8	118	118	70-132	0	20	
Bromodichloromethane	ug/L	<0.42	50	50	56.8	56.7	114	113	70-130	0	20	
Bromoform	ug/L	<3.8	50	50	46.1	45.3	92	91	65-130	2	20	
Bromomethane	ug/L	<1.2	50	50	53.0	59.1	106	118	44-128	11	21	
Carbon tetrachloride	ug/L	<0.37	50	50	53.9	55.7	108	111	70-132	3	20	
Chlorobenzene	ug/L	<0.86	50	50	60.1	60.7	120	121	70-130	1	20	
Chloroethane	ug/L	<1.4	50	50	75.4	75.4	151	151	70-137	0	20	M0
Chloroform	ug/L	<1.2	50	50	59.0	59.8	118	120	80-122	1	20	
Chloromethane	ug/L	<1.6	50	50	57.4	57.6	115	115	17-149	0	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	55.6	54.5	111	109	70-130	2	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	54.7	55.0	109	110	70-130	1	20	
Dibromochloromethane	ug/L	<2.6	50	50	53.0	53.6	106	107	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	39.2	39.7	78	79	22-158	1	20	
Ethylbenzene	ug/L	<0.33	50	50	60.7	61.2	121	122	80-123	1	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	63.1	63.4	126	127	70-130	1	20	
m&p-Xylene	ug/L	<0.70	100	100	121	120	121	120	70-130	1	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	50.7	55.7	101	111	66-130	9	20	
Methylene Chloride	ug/L	<0.32	50	50	58.7	57.8	117	116	70-130	2	20	
o-Xylene	ug/L	<0.35	50	50	60.5	60.6	121	121	70-130	0	20	
Styrene	ug/L	<0.36	50	50	62.8	64.5	126	129	70-130	3	20	
Tetrachloroethene	ug/L	<0.41	50	50	55.8	56.3	112	113	70-130	1	20	
Toluene	ug/L	<0.29	50	50	59.4	60.1	119	120	80-121	1	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	55.7	59.4	111	119	70-134	6	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	54.8	55.3	110	111	58-130	1	20	
Trichloroethene	ug/L	0.61J	50	50	56.7	57.6	112	114	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	61.0	60.5	122	121	82-151	1	20	
Vinyl chloride	ug/L	<0.17	50	50	63.0	61.4	126	123	61-143	3	20	
1,2-Dichlorobenzene-d4 (S)	%						99	100	70-130			
4-Bromofluorobenzene (S)	%						101	102	70-130			
Toluene-d8 (S)	%						105	103	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

QC Batch: 397848
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia, Distilled
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40234442002, 40234442003

METHOD BLANK: 2296814 Matrix: Water
Associated Lab Samples: 40234442002, 40234442003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.14	0.50	10/07/21 22:25	

LABORATORY CONTROL SAMPLE: 2296815

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2296816 2296817

Parameter	Units	40234434001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	<0.14	10	10	10.4	10.3	104	103	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2296818 2296819

Parameter	Units	40234445001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.15J	10	10	10.5	10.5	104	104	90-110	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

QC Batch: 398590
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia, Distilled
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40234561008

METHOD BLANK: 2301129 Matrix: Water
Associated Lab Samples: 40234561008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.14	0.50	10/14/21 21:56	

LABORATORY CONTROL SAMPLE: 2301130

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	10	9.5	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2301131 2301132

Parameter	Units	40234538002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	<0.14	10	10	10.5	9.8	105	98	90-110	7	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2301133 2301134

Parameter	Units	40234564001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.29J	10	10	10.4	10.4	101	101	90-110	0	20	

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QUALITY CONTROL DATA

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

QC Batch: 397588
QC Batch Method: EPA 351.2
Analysis Method: EPA 351.2
Analysis Description: 351.2 TKN
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40234442002, 40234442003

METHOD BLANK: 2294730 Matrix: Water
Associated Lab Samples: 40234442002, 40234442003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.21	1.0	10/06/21 03:03	

LABORATORY CONTROL SAMPLE: 2294731

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	5	4.6	92	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2294732 2294733

Parameter	Units	40234316002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	118	50	50	168	170	102	105	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2294734 2294735

Parameter	Units	40234429001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	98.2	20	20	121	124	116	128	90-110	2	20	P6

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

QC Batch: 398273
QC Batch Method: EPA 351.2
Analysis Method: EPA 351.2
Analysis Description: 351.2 TKN
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40234561008

METHOD BLANK: 2299208 Matrix: Water
Associated Lab Samples: 40234561008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.21	1.0	10/13/21 01:37	

LABORATORY CONTROL SAMPLE: 2299209

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2299210 2299211

Parameter	Units	40234469002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	63.4	20	20	79.5	78.6	81	76	90-110	1	20	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2299212 2299213

Parameter	Units	40234587001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	33.1	20	20	51.4	51.4	92	91	90-110	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

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.

WORKORDER QUALIFIERS

WO: 40234561

[1] Revised Report: Nitrogen data is now report for MW-2A.

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.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11115796-30 RHINELANDER LF-Revised Report
Pace Project No.: 40234561

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40234442001	**MW-2B**	EPA 8260	397607		
40234442002	**MW-2A**	EPA 8260	397607		
40234442003	**MW-21A**	EPA 8260	397607		
40234442007	**TRIP BLANK**	EPA 8260	397631		
40234561001	**MW-5A**	EPA 8260	397802		
40234561002	**MW-5A DUP**	EPA 8260	397802		
40234561003	**MW-4A**	EPA 8260	397802		
40234561004	**MW-25B**	EPA 8260	397802		
40234561005	**MW-16C**	EPA 8260	397802		
40234561006	**MW-16B**	EPA 8260	397802		
40234561007	**MW-16A**	EPA 8260	397802		
40234561008	**MW-3A**	EPA 8260	397802		
40234561009	**MW-18B**	EPA 8260	397802		
40234561010	**FIELD BLANK**	EPA 8260	397802		
40234561011	**MW-18C**	EPA 8260	397802		
40234561012	**MW-18A**	EPA 8260	397802		
40234561013	**MW-20C**	EPA 8260	397802		
40234561014	**MW-26B**	EPA 8260	397802		
40234561015	**MW-26C**	EPA 8260	397802		
40234561016	**MW-20B**	EPA 8260	397802		
40234561017	**MW-20A**	EPA 8260	397802		
40234561018	**MW-28A**	EPA 8260	397802		
40234561019	**MW-27B**	EPA 8260	397802		
40234561020	**TRIP BLANK**	EPA 8260	397802		
40234442002	**MW-2A**	EPA 350.1	397848	EPA 350.1	397852
40234442003	**MW-21A**	EPA 350.1	397848	EPA 350.1	397852
40234561008	**MW-3A**	EPA 350.1	398590	EPA 350.1	398595
40234442002	**MW-2A**	EPA 351.2	397588	EPA 351.2	397595
40234442003	**MW-21A**	EPA 351.2	397588	EPA 351.2	397595
40234561008	**MW-3A**	EPA 351.2	398273	EPA 351.2	398284

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-In Number Here: 40234561

ALL SHADED AREAS are for LAB USE ONLY

Company: GHD	Billing Information: GHD
Address: 900 Long Lake Rd	
Report To: Grant Anderson	Email To:
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: Rhinelander LF 11115796-30	State: WI County/City: Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: Email: Grant.Anderson@GHD.com	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Ryan Acrut	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Immediately Packed on Ice: [X] 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 [X] 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: VOCs + tetrahydrofuran; Ammonia; TKN

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: 10/6/21 MP
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) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	VOCs + tetrahydrofuran	Ammonia	TKN	Lab Sample # / Comments
W-211004-RA-05	GW	G	10/4	1520				3	X			001
W-211004-RA-06			10/4	1520				3	X			002
W-211004-RA-07			10/4	1540				3	X			003
W-211004-RA-08			10/4	1600				3	X			004
W-211004-RA-09			10/4	1625				3	X			005
W-211004-RA-10			10/4	1635			RA 10/6/21	3	X			006
W-211004-RA-11			10/4	1670				3	X			007
W-211005-RA-04			10/5	910				4	X	X		008
W-211005-RA-12			10/5	801				3	X			009
W-211005-RA-15			10/5	740				3	X			010

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: 10/6/21 MP freegun

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

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

Lab Tracking #: 2685632

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 10/6/21 MP
Cooler 1 Temp Upon Receipt: ____oC
Cooler 1 Therm Corr. Factor: ____oC
Cooler 1 Corrected Temp: ____oC
Comments: see COC

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
GHD	10/5/21 1130		
Fedex	10/6/21 950		10/6/21 950

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

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

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

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-In Number Here: 40234561

ALL SHADED AREAS are for LAB USE ONLY

Company: 640	Billing Information: 640
Address: 900 Long Lake Rd	
Report To: Grant Anderson	Email To:
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: Rhinelander LF 11115796.30	State: / County/City: Time Zone Collected: [ ]PT [ ]MT [ ]CT [ ]ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Ryan Aamot	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:

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: 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:	see SCUR 10/6/21 MP

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) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	VOCs + tetrahydrofuran	Lab Profile/Line: Lab Sample # / Comments
W-211005-RA-13	GW	G	10/5	805				9	X	MS/MSD 011
RA-14				823				3	X	012
RA-15										
RA-16				954				3	X	Analyze trip blank 013
RA-17				850				3	X	014 10/6/21 MP
RA-18				846				3	X	015
RA-19				931				3	X	016
RA-20				945				3	X	017
RA-21				1030				3	X	018
W-211005-RA-22	GW	G	10/5	1033				3	X	019

Customer Remarks / Special Conditions / Possible Hazards: Trip blank ① 020

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): see SCUR 10/6/21 MP N NA

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

Lab Tracking #: 2685632

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: see SCUR 10/6/21 MP oC
Comments:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
640	1730 10/5/21		
Fedex	10/6/21 950		10/6/21 950

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

Non Conformance(s): YES / NO

Page: 2 of: 2

① Trip blank received and added to COC by lab 10/6/21 MP

Client Name: GHD

Sample Preservation Receipt Form

Project # 40234561

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

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

Lab Lot# of pH paper: 053004 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: MP Date/ Time:

	Glass								Plastic					Vials						Jars				General								
Pace Lab #	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001																	3															2.5 / 5 / 10
002																	3															2.5 / 5 / 10
003																	3															2.5 / 5 / 10
004																	3															2.5 / 5 / 10
005																	3															2.5 / 5 / 10
006																	3															2.5 / 5 / 10
007																	3															2.5 / 5 / 10
008													1				3											X				2.5 / 5 / 10
009																	3															2.5 / 5 / 10
010																	3															2.5 / 5 / 10
011																	4															2.5 / 5 / 10
012																	2															2.5 / 5 / 10
013																	2															2.5 / 5 / 10
014																	2															2.5 / 5 / 10
015																	2															2.5 / 5 / 10
016																	2															2.5 / 5 / 10
017																	3															2.5 / 5 / 10
018																	3															2.5 / 5 / 10
019																	3															2.5 / 5 / 10
020																	2															2.5 / 5 / 10

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

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

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

Sample Condition Upon Receipt Form (SCUR)

Project #: WO# : 40234561

40234561

Client Name: GHD

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

Tracking #: N/A 8157 3513 3367 10/6/21 MP

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 - 113 **Type of Ice:** (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 4.0 /Corr: 4.1

Temp Blank Present: ☒ yes ☐ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Person examining contents:
Date: 10/6/21 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:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☒No ☐N/A	2. preservation 10/6/21 MP
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume: For Analysis: ☒Yes ☐No MS/MSD: ☒Yes ☐No ☐N/A		8. 10/6/21 MP
Correct Containers Used:	☒Yes ☐No	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☒Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☒Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): NC0721-3LYR		

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

Person Contacted: Date/Time:

Comments/ Resolution:

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

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

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

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here 40234442

ALL SHADED AREAS are for LAB USE ONLY

Company: GHD

Billing Information: GHD

Address: 900 Long Lake Rd

Report To: Grant Anderson

Email To: Grant.Anderson@GHD.com

Copy To:

Site Collection Info/Address:

Container Preservative Type **

Lab Project Manager:

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

Customer Project Name/Number: Rhinelander LF 11115796

State: WI   County/City: Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET

Phone:
Email:

Site/Facility ID #:

Compliance Monitoring? [ ] Yes [ ] No

Collected By (print): Ryan Aamot

Purchase Order #:
Quote #:

DW PWS ID #:
DW Location Code:

Collected By (signature):

Turnaround Date Required:

Immediately Packed on Ice: [X] 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 [X] 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)

Analyses

Customer Sample ID	Matrix *	Comp / Grab	Collected Date	Collected Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	VOCs + Tetrahydrofuran	Ammonia + TKN	Fecal Coliform	Metals/Hardness	Ammonia, N+N, TKN	COD + Chloride	Lab Sample # / Comments
W-211004-RA-01	GW	G	10/4	1355				4	X	X					001
W-211004-RA-02	GW	↓	10/4	1405				3	X						002
W-211004-RA-03	GW	↓	10/4	1420				4	X	X					003
W-2110-04-RA-100	SW	↓	10/4	1505				4			X	X	X	X	004
W-211004-RA-101	SW	↓	10/4	1515				4			X	X	X	X	005
W-211004-RA-102	SW	↓	10/4	1530				4			X	X	X	X	006
trip blank								1	X						007

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:

See COC 10/5/21 SW

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 #: 2685631

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: ____ oC
Cooler 1 Therm Corr. Factor: ____ oC
Cooler 1 Corrected Temp: ____ oC
Comments:

See COC 10/5/21 SW

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature] / GHD	10/4/21 1630		
Fed Ex	10/5/21 1000	[signature] Pace	10/5/21 1000

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 75 of 77
of: ______

Client Name: GHD

Sample Preservation Receipt Form

Project # 410234442

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

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

Initial when completed: SKW Date/Time:

Lab Lot# of pH paper: 10P3604 Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass: AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	Plastic: BP1U	BP3U	BP3B	BP3N	BP3S	Vials: VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	Jars: JGFU	JG9U	WGFU	WPFU	General: SP5T	ZPLC	GN	VOA Vials (>6mm)*	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001													1				3											X					2.5 / 5 / 10
002																	3																2.5 / 5 / 10
003													1				3											X					2.5 / 5 / 10
004										1		1	1											1				X			X		2.5 / 5 / 10
005										1		1	1											1				X			X		2.5 / 5 / 10
006										1		1	1											1				X			X		2.5 / 5 / 10
007																	2																2.5 / 5 / 10
008																																	2.5 / 5 / 10
009																																	2.5 / 5 / 10
010																																	2.5 / 5 / 10
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014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

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

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

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

Sample Condition Upon Receipt Form (SCUR)

Client Name: GHD

Project #: WO# : 40234442

40234442

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

Tracking #: 815735133378

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:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 3.5 /Corr: 3

Temp Blank Present: ☑ yes ☐ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Person examining contents: Date: 10/5/21 /Initials: SRK

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

Labeled By Initials: SRK

Chain of Custody Present:	☑Yes ☐No ☐N/A	1. +2 cc 10/5/21
Chain of Custody Filled Out:	☐Yes ☑No ☐N/A	2. Preserve, Pg # 10/5/21 SRK
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☑Yes ☐No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD:	☐Yes ☑No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☐Yes ☑No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W	☐Yes ☑No ☐N/A	12. 001, +003 BP3S No label Cap has 1 and 3 written on tip determined placement.
Trip Blank Present:	☑Yes ☐No ☐N/A	13. No times on all samples 10/5/21 SRK
Trip Blank Custody Seals Present	☑Yes ☐No ☐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 logi

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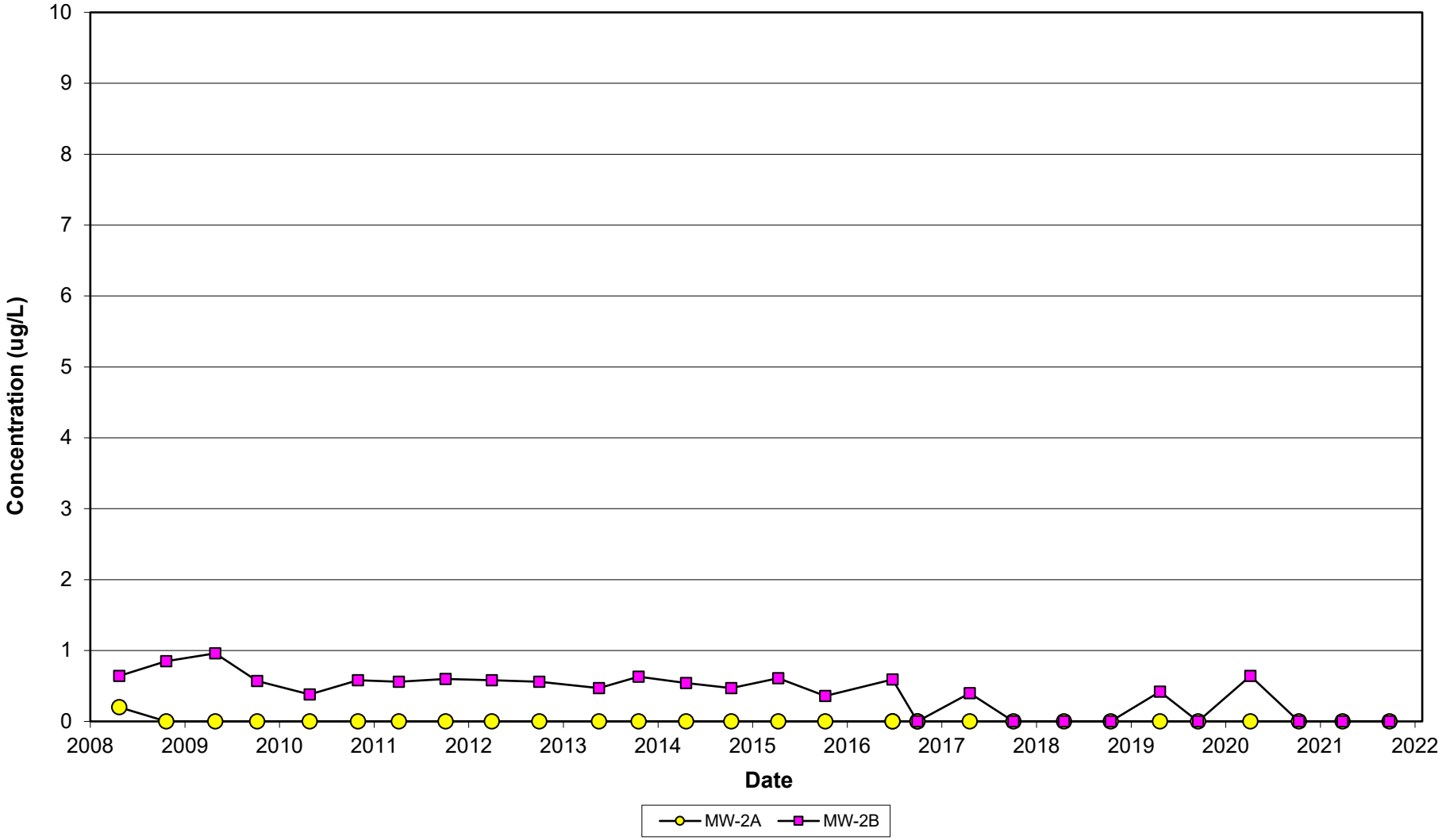
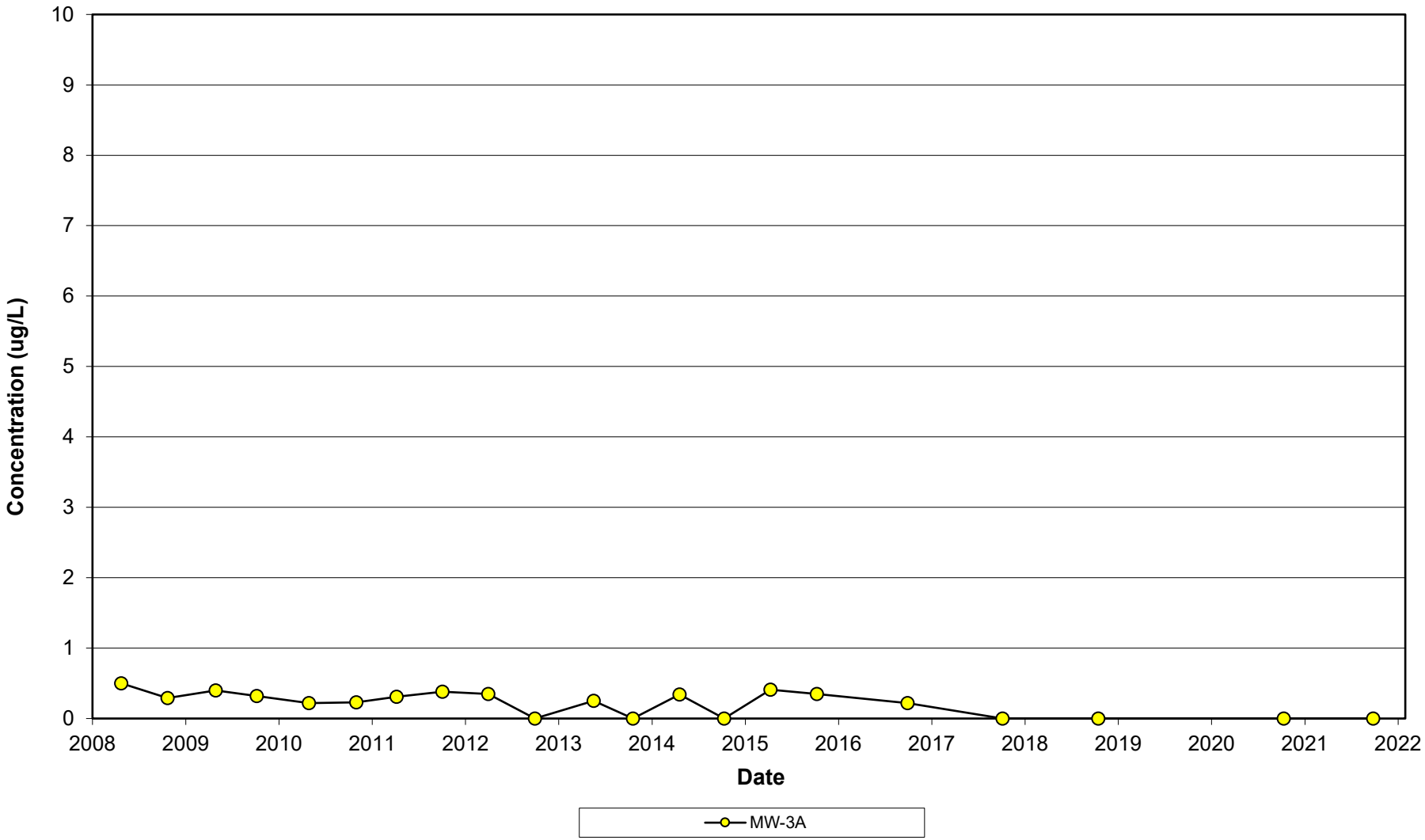
Appendix C

Vinyl Chloride Graphs

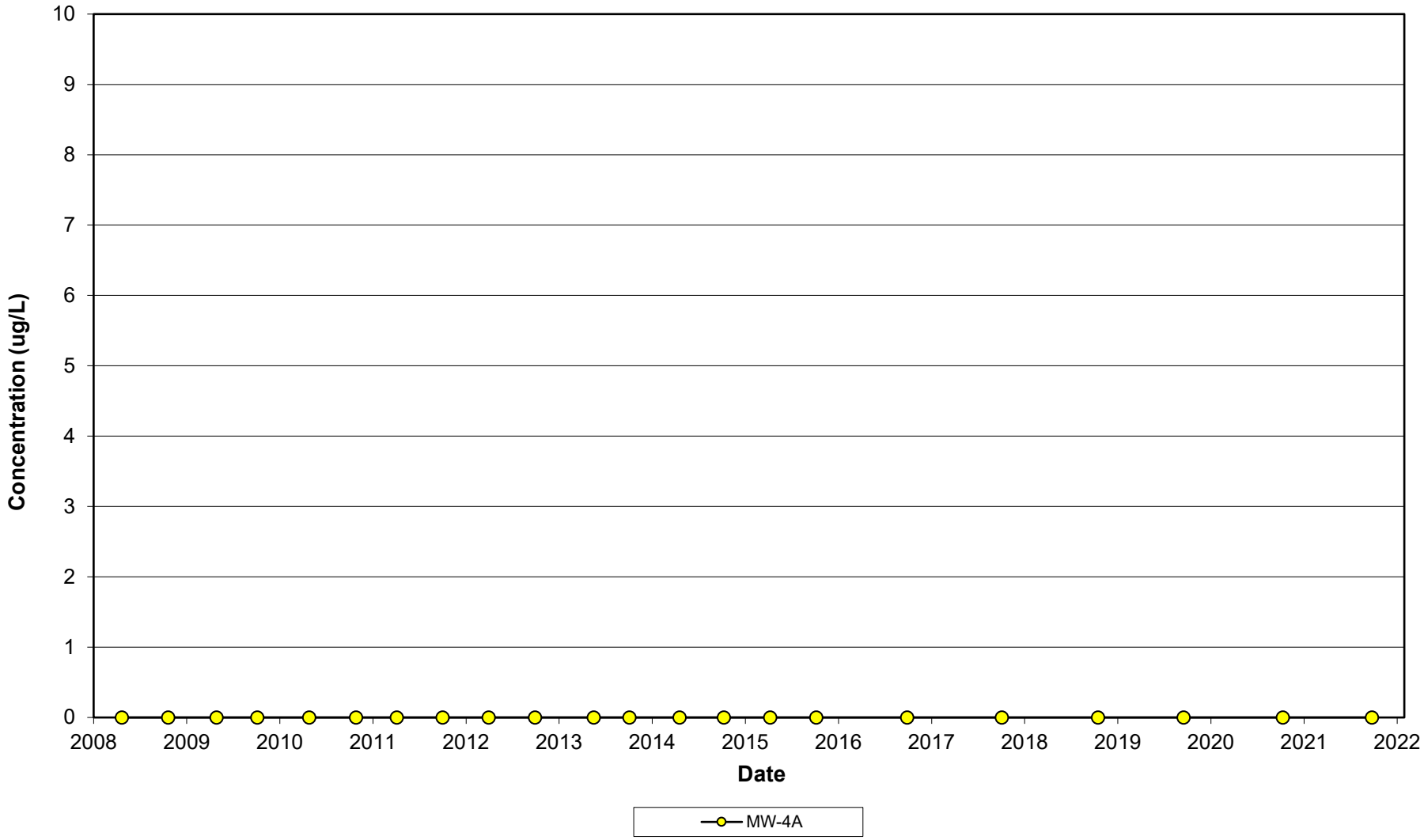
Vinyl Chloride Concentrations Over Time
(MW-2 NEST)
Rhinelander Landfill
Rhinelander, Wisconsin



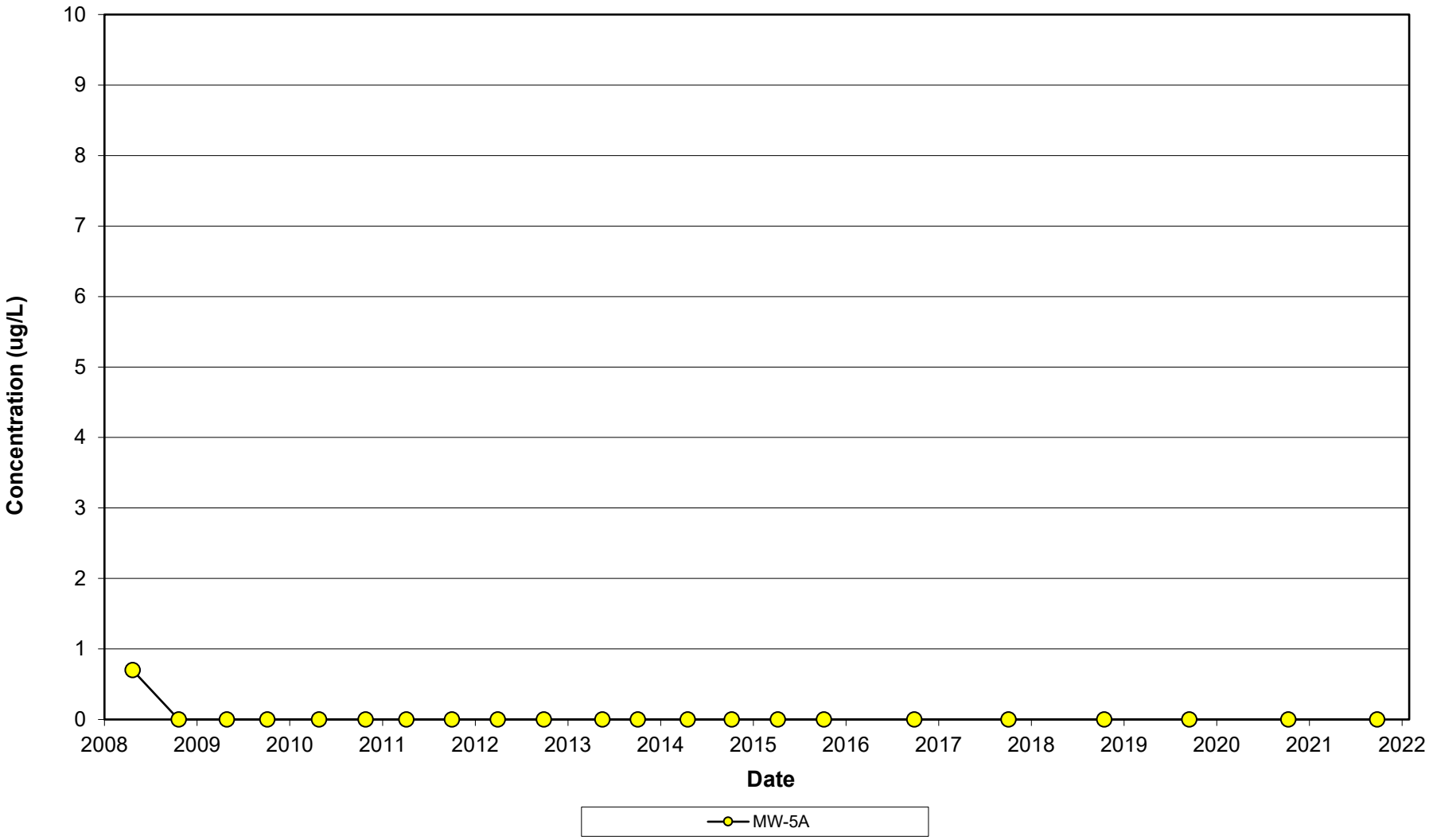
Vinyl Chloride Concentrations Over Time
(MW-3A)
Rhinelander Landfill
Rhinelander, Wisconsin



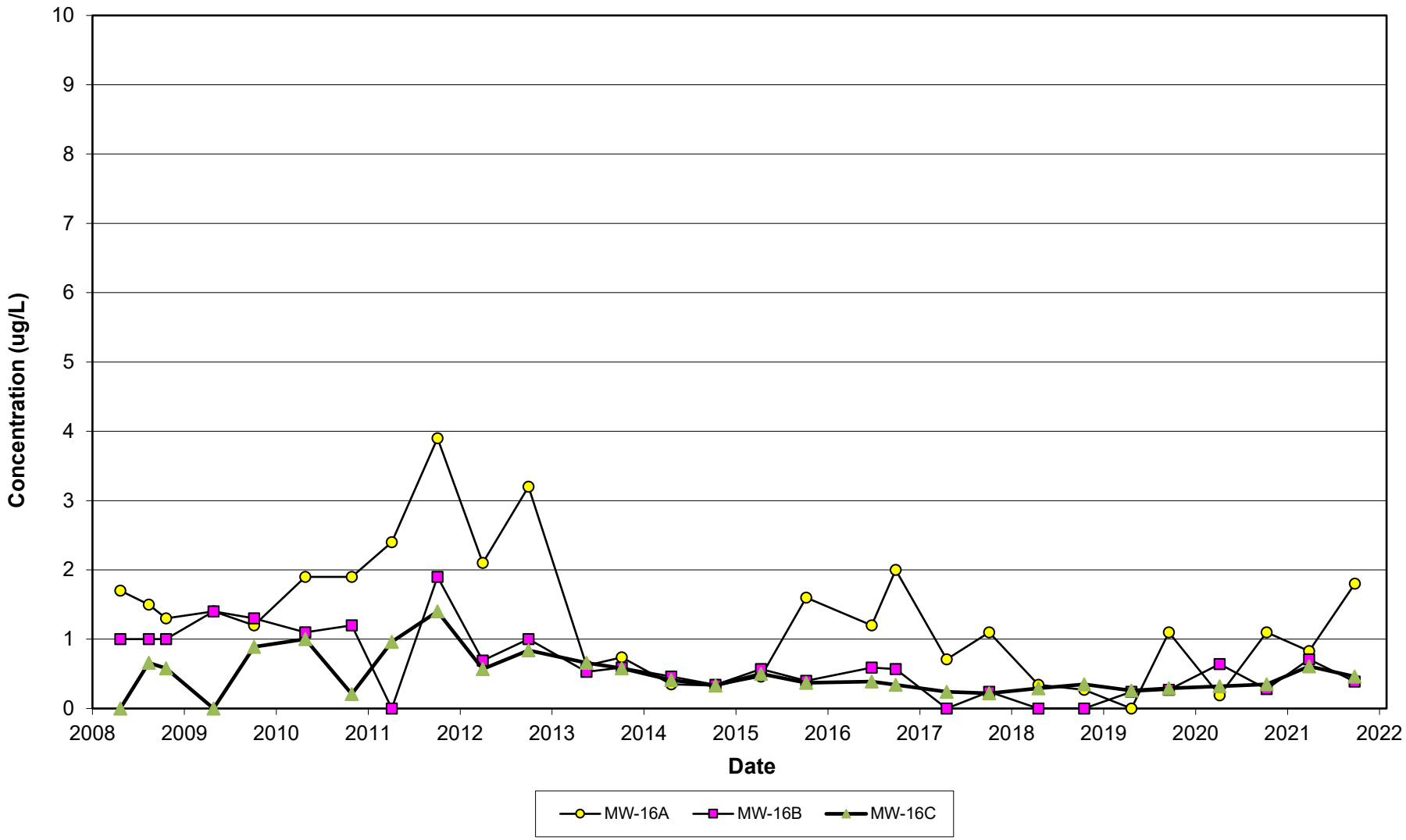
Vinyl Chloride Concentrations Over Time
(MW-4A)
Rhinelander Landfill
Rhinelander, Wisconsin



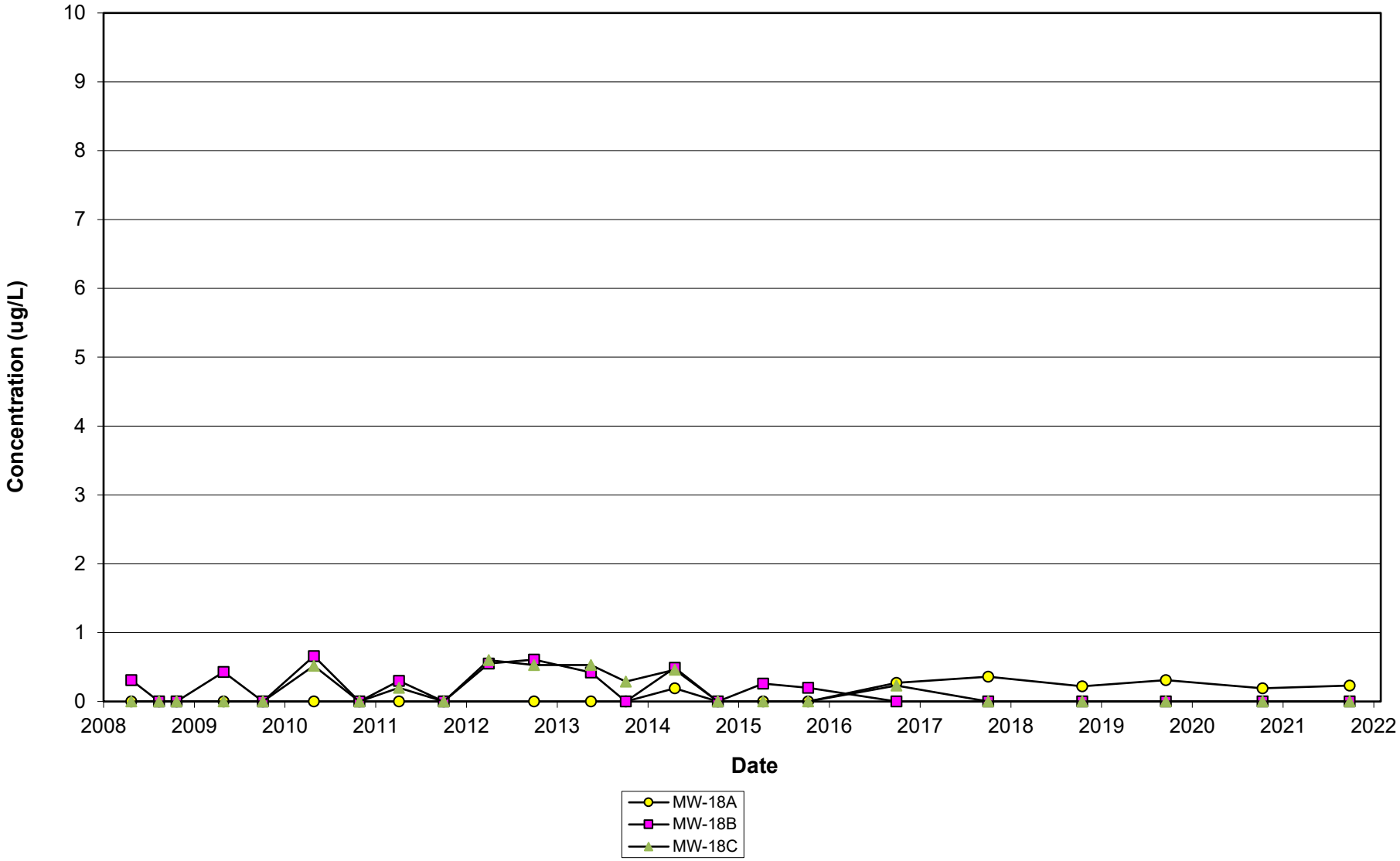
Vinyl Chloride Concentrations Over Time
(MW-5A)
Rhinelander Landfill
Rhinelander, Wisconsin



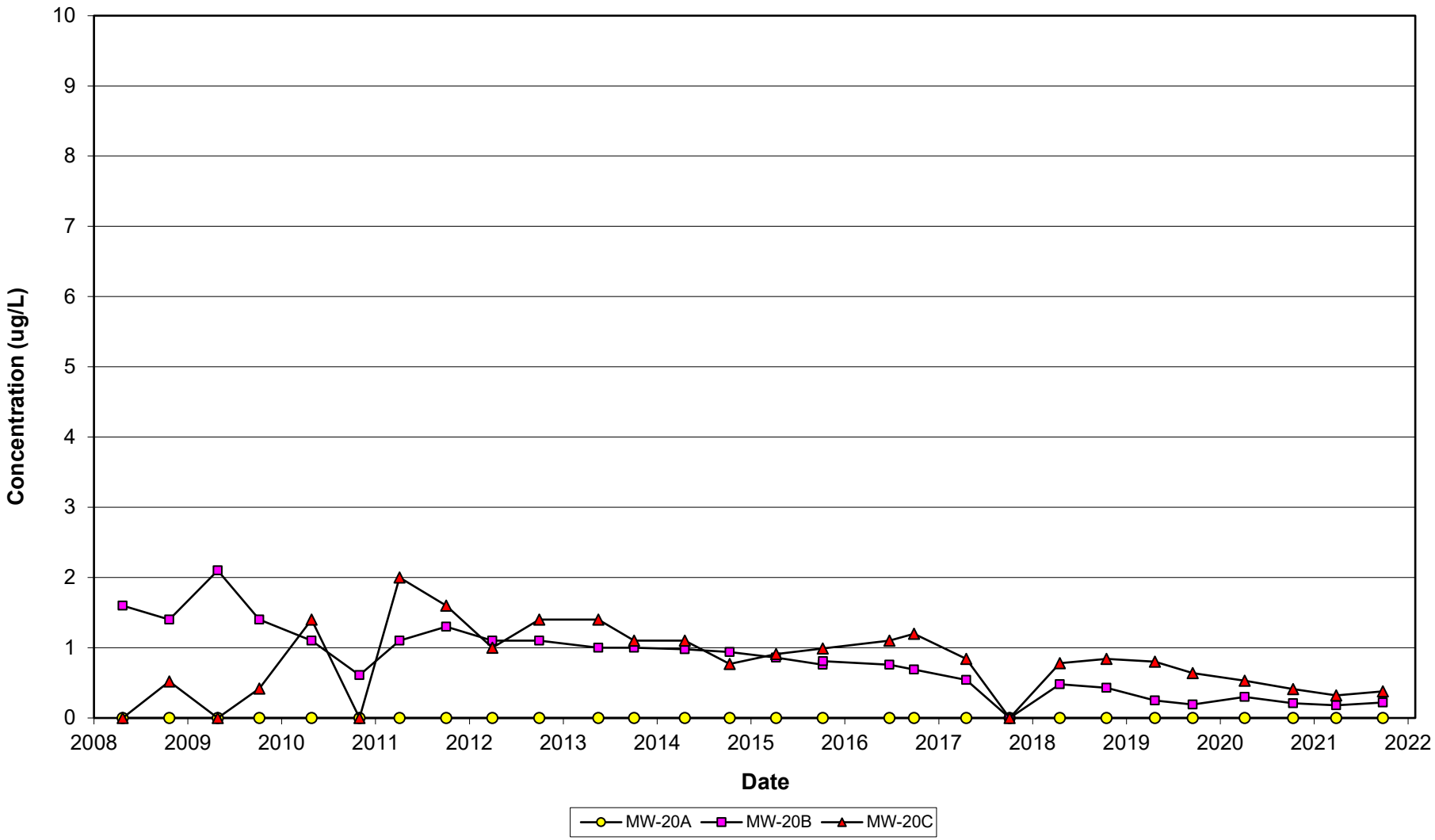
Vinyl Chloride Concentrations Over Time
(MW-16 NEST)
Rhinelander Landfill
Rhinelander, Wisconsin



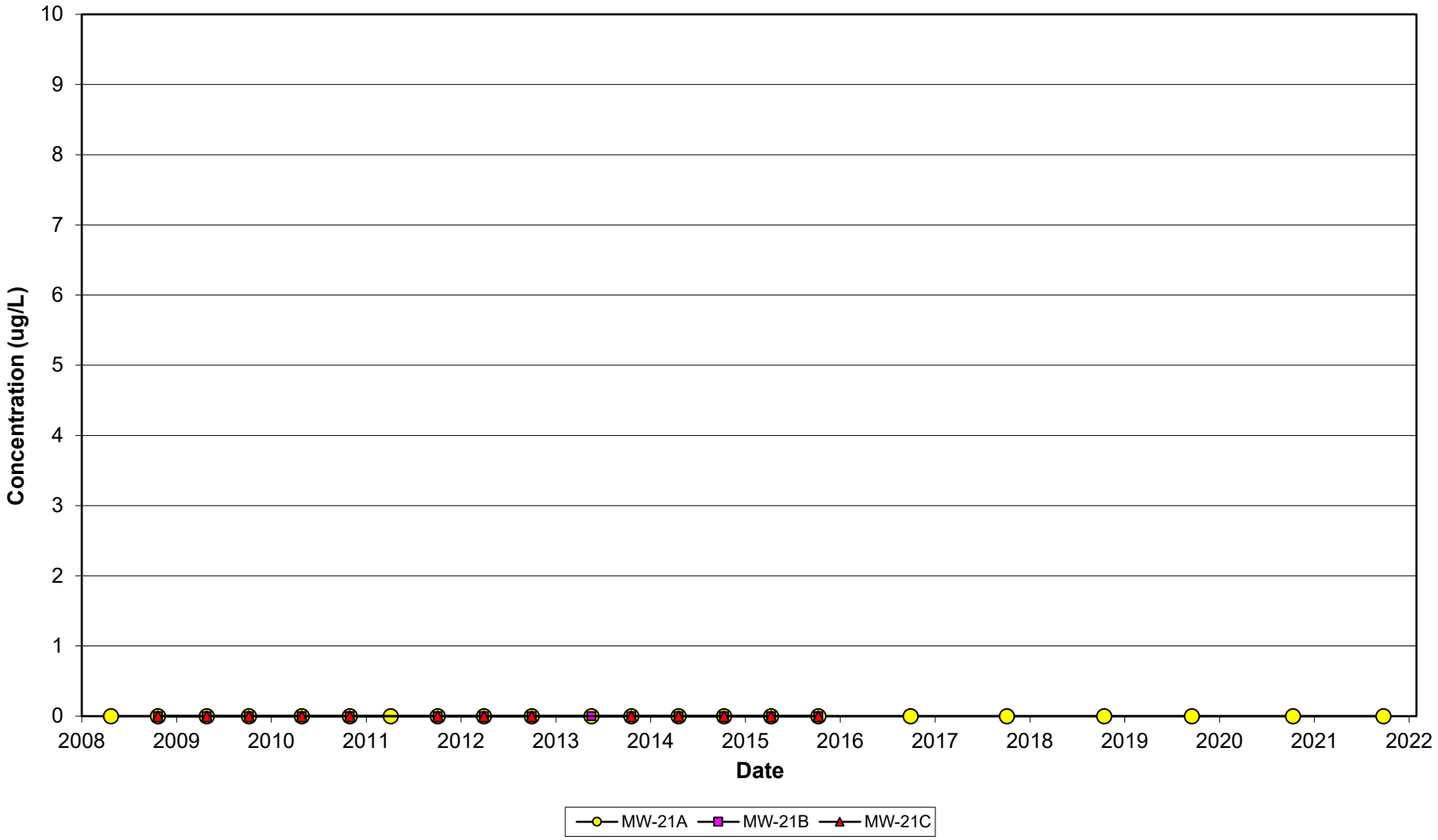
Vinyl Chloride Concentrations Over Time
(MW-18 NEST)
Rhinelander Landfill
Rhinelander, Wisconsin



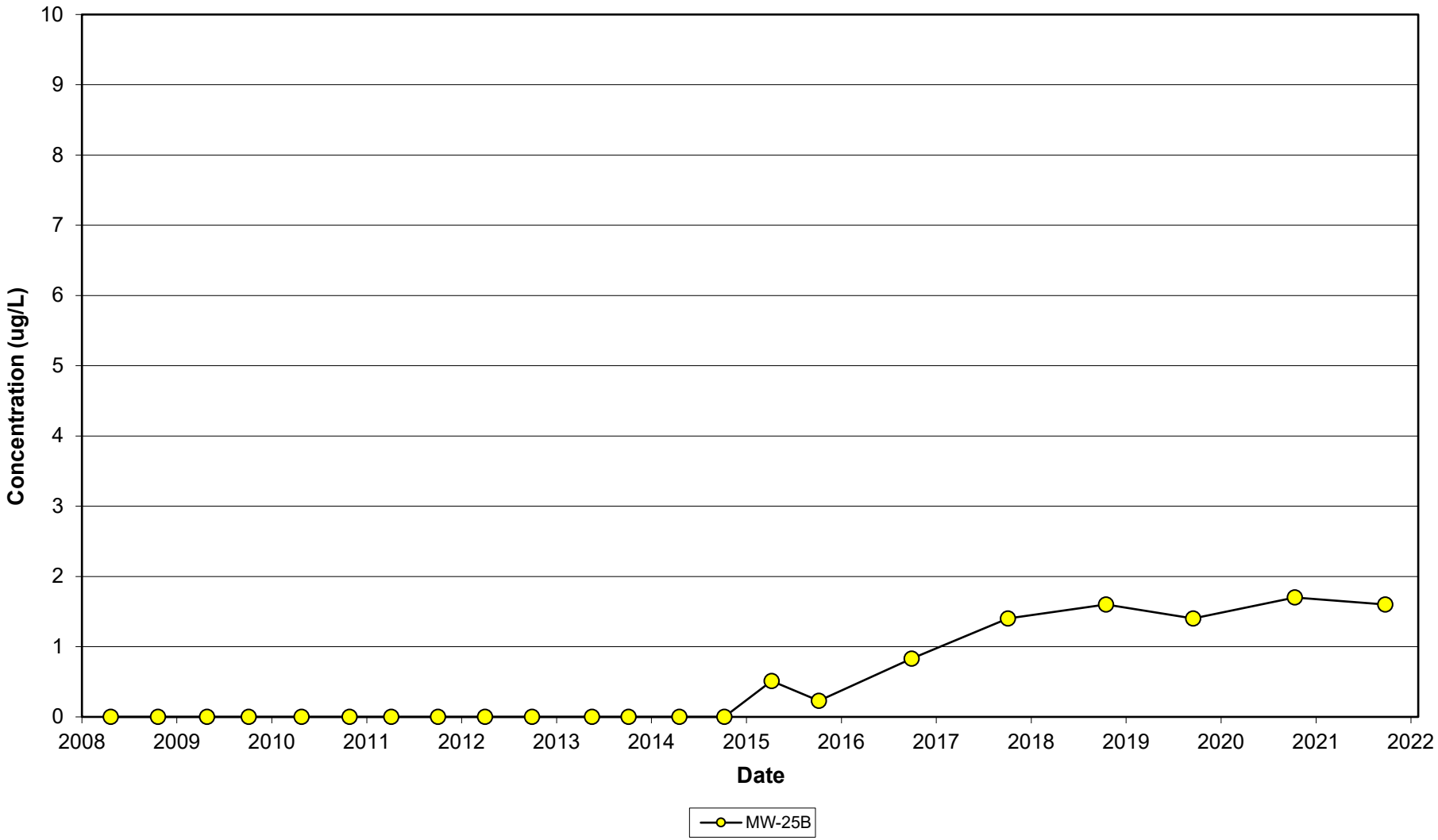
Vinyl Chloride Concentrations Over Time
(MW-20 NEST)
Rhinelander Landfill
Rhinelander, Wisconsin



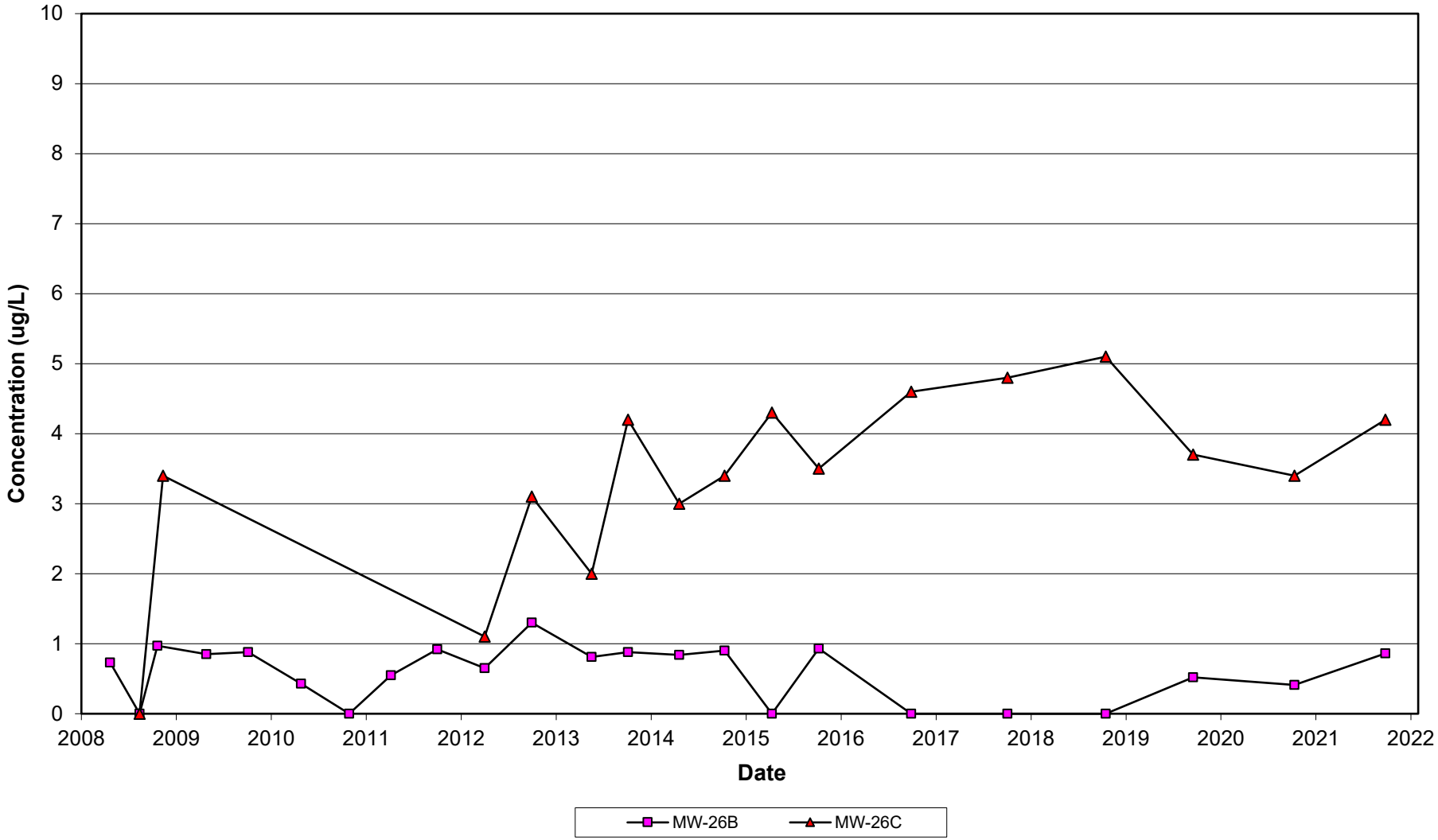
Vinyl Chloride Concentrations Over Time
(MW-21 NEST)
Rhinelander Landfill
Rhinelander, Wisconsin



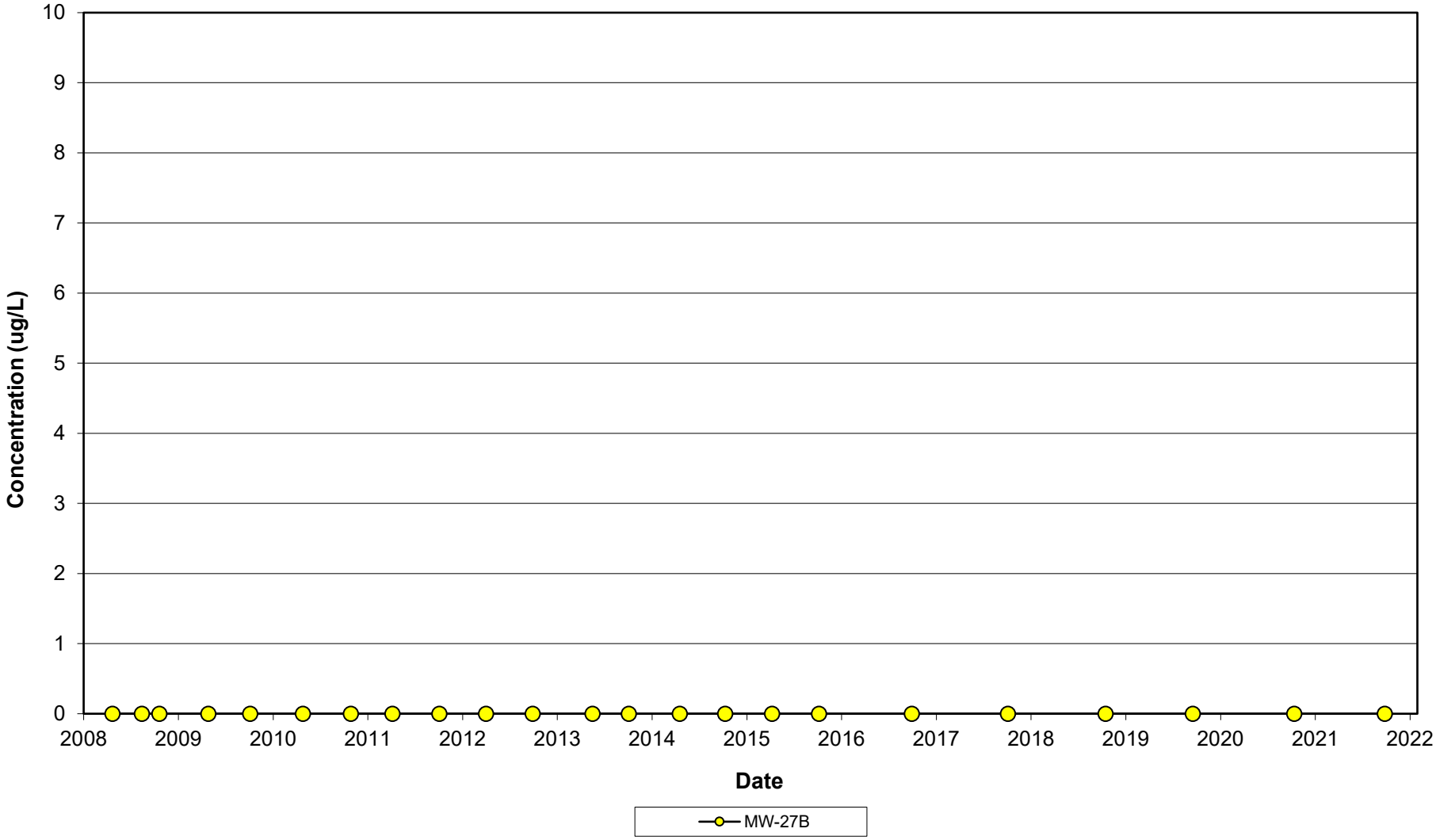
Vinyl Chloride Concentrations Over Time
(MW-25B)
Rhinelander Landfill
Rhinelander, Wisconsin



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



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



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